



careables.org

D5.4 Final Dissemination and Sustainability Report



Date
December 2020

Responsible Partner
Global Innovation Gathering e.V.

Authors
Sandra Mamitzsch
Mugethi Gitau
Fadia Elgharib

Dissemination Level
Public

Editors
Sandra Mamitzsch

Reviewers
Barbara Kieslinger
Claudia Magdalena Fabian



Careables.org is managed by the Made4You project and has received funding from the European Union Horizon 2020 research and innovation programme under grant agreement No. 780298.

Document History			
Version	Date	Contributor	Comments
0.1	04 Nov	Sandra Mamitzsch	Set up document
0.2	16 Nov	Sandra Mamitzsch, Mugethi Gitau	Write Outline
0.3	until 01 Feb	Mugethi Gitau	report on Social Media
0.4	until 01 Feb	Fadia Elgharib, Sandra Mamitzsch	draft content
0.5	until 15 Feb	Sandra Mamitzsch	editing
0.6	until 15 Feb	All project partners	updating content, exploitation plans & dissemination activities
0.7	16 Feb	Barbara Kieslinger, Claudia Magdalena Fabian	Review of final version
0.8	17 Feb	Sandra Mamitzsch, Fadia Elgharib	Revision (based on Reviews)
Final			



EXECUTIVE SUMMARY

When the consortium got together to prepare the proposal for this project at the end of 2016 the partners were driven by the vision of creating an open and inclusive approach to healthcare for citizens based on digital fabrication, distributed manufacturing and collaborative making. This vision was based on first scattered activities of individuals and grassroots solutions to self-made personalised healthcare solutions. Four years later, we still see that our approach is very dependent on personal commitment of individuals and lacks appropriate structures, including legal frameworks, and funding. However, Careables was clearly able to showcase the possibilities and benefits of co-created open healthcare solutions. We also succeeded in creating a sustainable support infrastructure, methodologies and a community to advance our approach towards open healthcare in the future. This has been due, amongst other activities, to an intensive communication and outreach process that was closely connected to concrete engagement options for the different target audience.

Our communication effort resulted in a global reach of over 1 Million people reached by dissemination and communication activities and around 130,000 people engaged in our ongoing activities. We have also reached a stable community of over 1,500 followers on our different channels and a working group with 45 members, who get engaged in Careables activities regularly and feel part of the global Careables community.

Most importantly, from a sustainability perspective, the consortium was able to establish the necessary structure and provide a governance model that assures the continuity of Careables activities, even after the funding period. Within the organisational structure of the partner GIG – Global Innovation Gathering – a suitable arrangement was found to establish Careables 2021 and beyond. A governance model has been defined and agreed by the partners.

For the future funding of our Careables activities we also tested our value proposition in different settings. A successful Kickstarter campaign confirmed the market potential for specific careables products. A student group in Austria tested the hypothesis of sponsorship for certain Careables events. Picking up this experience a pitch deck was prepared to reach out to potential funders. This approach to fundraising is shared with other initiatives that are complementary to Careables, such as MatchMyMaker, where we have established a strong relationship based on collaboration.

Thus, overall, we feel very confident about the sustainability of Careables. Most importantly, all partners are truly committed to the project goals and to work on a sustainable model to make Careables the preferred platform, all over the world, to find and create open, inspiring healthcare solutions and methods, transferable to local contexts.



CONTENTS

EXECUTIVE SUMMARY	2
CONTENTS	3
List of figures	5
List of tables	5
List of abbreviations	5
1. Introduction	6
1.1. Dissemination Strategy	6
1.2. Sustainability Plan	7
2. Final Plan on Adoption, Exploitation and Sustainability	9
2.1. Goals for Careables 2021 and beyond	9
1 – Project Goal	10
2 – Vision for the project	10
3 – Objectives for 2021	10
4 – Values & principles	10
5 – Our Practice	11
2.2. Process & Benchmarking	11
2.3. Careables Design Challenge with imc FH Krems	12
2.4. Careables 2021 and beyond Governance Structure	13
1 – Steering Circle	14
2 – Core Team	15
3 – Advisory board	15
4 – Careables Community	16
Local Chapters	16
Careables as Open Resources	17
2.5. Fundraising	17
1 – Proposals	17
2 – Glifo Kickstarter Campaign	19
2.6. Exploitation plan from each partner	20
1 – Agile Heap / Prototypes	20
2 – GIG	21
3 – KU Leuven	21
4 – OpenDot	23
5 – TOG – Fondazione Together to Go	23



6 – Waag	24
7 – Wevolver	25
8 – ZSI – Centre for social innovation	26
3. Awareness Raising, Outreach and Dissemination Activities	27
3.1. Events	27
1 – Maker Gatherings	27
DOTS. The Impact Summit 2019	27
Careables Online Maker Gathering	28
African Makerspace Gathering	29
DOTS. The impact summit 2020	29
2 – Moving Exhibitions	29
3.2. Social media	32
1 – December Campaign: #31daysofCareables	32
2 – Statistics	33
3 – Featured social media posts	34
3.3. Newsletters	38
3.4. Media	38
3.5. Print Products	41
3.6. Videos	42
Final Video	42
How to video document your project	43
3.7. Scientific Publications	43
3.8. Indicators	44
4. Adapting the Communication Strategy for the new project phase: Communication Handbook	45
4.1. Vision, Goals and Objectives	45
4.2. Target Groups	46
4.3. Careables Channels	46
4.4. Content	47
4.5. Careables Visual Identity	47
5. Summary and Outlook	48
Annex	49

List of figures

1. Outreach Strategy Timeline from D5.1
2. Careables Social Business Model Canvas from D5.2
3. Careables Sustainability Strategies
4. Organisations reviewed for Sustainability Practices
5. Careables 2021 Structure
6. GLIFO Funding Campaign on Kickstarter
7. Map of exhibitions
8. Shots from Careables Exhibitions Video
9. Christmas Calendar Campaign
10. Follower growth over the months
11. Reach by platform
12. Screenshot of Careables Covid Response Videos live streamed at re:publica TV
13. Screenshot of the video from Deutsche Welle about Careables in Brazil.
14. Careables Flyer
15. Screenshot Careables final video
16. Responsive logo design

List of tables

1. List of Exhibitions
2. Summary of social media statistics
3. Featured social media posts
4. Project Indicators
5. Colors used for Careables design

List of abbreviations

DIY	Do It Yourself
EC	European Commission
EU	European Union
GA	Grant Agreement No. 780298 with the European Commission
GIG	Global Innovation Gathering e.V.
IPRs	Intellectual Property Rights
KPI	Key Performance Indicator
OD	Fab Lab Opendot
KUL	KU Leuven
OSHW	Open Source Hardware
TOG	Fondazione Together To Go
Waag	Waag – Technology and Society
WP	work package (usually with the number, eg. WP1, WP2, etc.)
ZSI	Zentrum für Soziale Innovation (en: Centre for Social Innovation)

1. Introduction

The project Made4You facilitates the design, development, and dissemination of open DIY healthcare through local co-design events and a global platform to share self-made healthcare products. The project is operating under the name “Careables”, reflected in the online platform careables.org, the products shared on this platform, also called “careables”, as well as in the various project activities, such as local ideation and co-design sessions leading towards the development of careables.¹

This report sums up the most important communication and outreach activities, shows the reach we gained overall for the Careables activities during the H2020 funded project duration and gives an outlook into the future work on the Careables platform the partners agreed to.

Throughout the report, you will find our key learnings so they are easy to spot.

The document at hand builds on the Engagement Strategy (D1.1), the Awareness Raising Strategy (D5.1), the Sustainability Strategy (D5.2), and the Final documentation of events (D1.3). WP1 Engagement and Community Growth and WP5 Dissemination and Outreach of the Made4You project were strongly linked.

In this introduction, we want to quickly summarize the most important points of the previous reports.

1.1. Dissemination Strategy

The strategy of how to move people of all target groups from becoming aware of Careables to being informed and finally to actively participate is explained in the Engagement strategy (D1.1) that we consider the first part of our coordinated Community outreach plan, with the deliverable D5.1 Awareness raising, outreach & dissemination report being the second part. There we showed: Within the three years of Made4You, communication follows the iterative process the project as a whole adheres to, focussing during the first year on local community engagement and co-creation, the second year on global outreach, and the third year on sustainability and exploitation of the results.

¹ Please note that Made4You remains the official EC-funded project title as changes in the naming was not possible after contract signature. However, we will use the name “Careables” to refer to all project activities, as we aim to promote only this name.

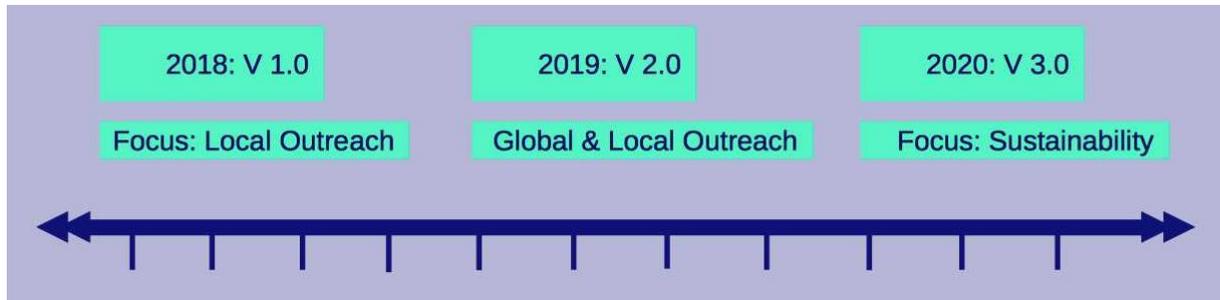


Figure 1: Outreach Strategy Timeline from D5.1

The D5.1 report provided a Communication Handbook for Partners and the Communication team listing main target groups, namely users, healthcare professionals, and makers/designers; key messages like “Improving your Life in a Fab Lab”, “Open Source Hardware in Healthcare” and “People Centered Healthcare”. It showed the visual identity of the project, lists the channels and content strategy the project uses on digital media and in analog communication as well as major KPIs for the outreach activities.

1.2. Sustainability Plan

In the Deliverable 5.2: Adoption, Exploitation and Sustainability Report we made a collective effort with all project partners and drafted strategies for exploitation and sustainability of most of the projects’ activities.

While Careables is not a standard business endeavour but rather a combination of activities carried out by a consortium of partners it shares a set of characteristics with social businesses. Thus, we have chosen the social business model canvas² as a guiding tool for drafting our adoption, exploitation, and sustainability strategy.

² <https://www.socialbusinessmodelcanvas.com/>

Social Business Model Canvas

Social
Innovation
Lab

<p>Key Resources</p> <ul style="list-style-type: none"> - People (Expert Users, Healthcare professionals, Makers, engineers, designers, Trainers, Community and Co-Design Organisers, Legal Experts - Financial means for personal, hosting and maintenance of platform and website - Access to digital fabrication machines <p><i>What resources will you need to run your activities? People, finance, access?</i></p>	<p>Key Activities</p> <p>Local events that establish collaboration between citizens with disabilities and their families, healthcare professionals and makers:</p> <ul style="list-style-type: none"> - Open Health Hackademy (Berlin) - MakeHealth Prototyping Series and Waag Trainings (Amsterdam) - Health&Care Summer School and Training for healthcare professionals (Milan) - ambitions in 3 @G hubs <p>Global</p> <ul style="list-style-type: none"> - general awareness raising campaign through social media - providing inspiring solutions - providing skills and knowledge - facilitating online and offline collaboration and creation of ideas - connecting with other communities and individuals, locally and globally - creating legal guidelines <p><i>What programme and non-programme activities will your organisation be carrying out?</i></p>	<p>Type of Intervention</p> <p>Local</p> <ul style="list-style-type: none"> - events - resources in local languages <p>Global Online Tools:</p> <ul style="list-style-type: none"> - careables.org Platform - welder.capp Open Hardware Repository with Open Healthcare Map and documentation tool - Knowledge Base Materials, e.g. Toolkit for Co-Creation, Trainings on digital fabrication, Legal Guide <p><i>What is the format of your intervention? Is it a workshop? A service? A product?</i></p>	<p>Segments</p> <ul style="list-style-type: none"> - Users/patients and their families - Healthcare professionals - Makers, engineers, designers 	<p>Value Proposition</p> <ul style="list-style-type: none"> - improve quality of life or services through human-centered innovation in healthcare and assistive technology - Improve the accessibility of open source products and knowledge to enable innovation beyond the topic of careables <p>Social Value Proposition</p> <p>Impact Measures</p> <ul style="list-style-type: none"> - impact assessment plan, continuous evaluation of 5 objectives with indicators and a concluding report - methods: qual, walkthroughs, questionnaires, statistics etc. <p><i>How will you show that you are creating social impact?</i></p> <p>Customer Value Proposition</p> <ul style="list-style-type: none"> - reduce the cost of innovation in public healthcare system - fulfil corporate social responsibilities - good feeling for supporting a cause that directly benefit individuals <p><i>What do your customers want to get out of this initiative?</i></p>
<p>Partners + Key Stakeholders</p> <ul style="list-style-type: none"> - careables consortium - patient organisations, associations of disabled people, healthcare providers, hospitals, MedTech industry - maker communities, maker networks, design organisations - philanthropic organisations - platforms with a special focus on health and care related topics <p><i>Who are the essential groups you will need to involve to deliver your programme? Do you need special access or permissions?</i></p>		<p>Channels</p> <p>Local</p> <ul style="list-style-type: none"> - events, meetups, trainings, co-design sessions - ambassadors for health making - resources in local language: on websites of the partners, print materials <p>Global</p> <ul style="list-style-type: none"> - partnerships - media and social media - direct outreach, applications <p><i>How are you reaching your beneficiaries and customers?</i></p>	<p>Beneficiary</p> <p>Customer</p> <ul style="list-style-type: none"> - healthcare professionals and their employers (hospitals, care homes, manufacturers, health management...) - institutional donors, philanthropic bodies - companies - individuals that are part of the beneficiaries or support them <p><i>Who are the people or organisations who will pay to address this issue?</i></p>	
<p>Cost Structure</p> <ul style="list-style-type: none"> - biggest expenditure independent of scale: careables platform (server hosting, bandwidth, maintenance) - can be scaled/distributed as funding sources allow: community involvement, trainings and co-creation activities <p><i>What are your biggest expenditure areas? How do they change as you scale up?</i></p>		<p>Surplus</p> <ul style="list-style-type: none"> - any funds that are not reinvested into the platform and into more co-creation activities should go into the creation of more individual careables products <p><i>Where do you plan to invest your profits?</i></p>	<p>Revenue</p> <ul style="list-style-type: none"> - donors, philanthropic bodies - training: fees from participants/their employers - crowdfunding <p><i>Break down your revenue sources by %</i></p>	

Inspired by The Business Model Canvas

Figure 2: Careables Social Business Model Canvas from D5.2

In terms of the exploitable outcome from the project, we distinguish between the online tools, such as the platform, guidelines, and materials to be offered online and made globally available, and the activities taking place in the physical world that need to be implemented locally. Therefore, we also distinguish between a global strategy and local chapters.

The value proposition of Careables clearly relates to patients and their families and caregivers, health professionals, makers, and designers. These are the beneficiaries of our project, while the range of stakeholders is much wider, including especially donors and philanthropic bodies who are understood as customers, supporting the project financially. In the second half of the project, both groups – the beneficiaries as well as the donors – were important contributors to the project’s progress. The first group – the Careables beneficiaries – helped to further support defining and bringing evidence for the project’s value and impact. The latter – the Careables customers – helped us in sharpening and assessing the sustainability model in economic terms.

In order to turn the ideas from the deliverable into reality, during the second half of the project we created pilots for the different strategies: In the last months we tested partnership models for the different customer groups. We elaborated sponsoring models for monetary support of global activities, local activities, and individual careables and initiated some piloting activities with our partners. We explored how a careable initiative may gain funding from crowdfunding or crowd donation and how we can establish partnerships with other initiatives in the



healthcare and health technology sector. Our experiences with co-organising targeted training offers at the intersection of open healthcare, co-design, and digital fabrication have been very promising so far and we continued to explore more along those lines.

We worked on the documentation of all our activities for lasting impact and provided descriptions of the methodology for others to copy and re-use. Our philosophy is not only to offer a platform for sharing open healthcare solutions but also to share our experiences and methodology with others. Thus, we directly targeted other organisations that might want to open local chapters of Careables or implement our approach in local engagement. This was mainly done through direct connections of each partner, through piloting distinct Careables maker gatherings (see D1.3 on community engagement) that we are now continuing also after the funded project phase.

2. Final Plan on Adoption, Exploitation and Sustainability

Based on the mission of Made4You and the GA requirements, the Careables platform will remain an open and inclusive platform that can be used by citizens free of charge.

As the EU-funded project phase ends, the partners of the Made4You consortium are not only committed to keeping the Careables platform online but also to continue advancing it and to create new Careables activities. Therefore, the partners develop a multichannel approach to exploitation and sustainability. They decided to use the GIG association as their legal body.

In this part of the report the partners update their mission and goals, report on the values and principles they created, show the process to find a sustainability model, show the new governance structure, give an insight into fundraising under COVID-19 pandemic conditions and show the exploitation plan from each partner.

2.1. Goals for Careables 2021 and beyond

Our core goal remains: Improving the quality of life of people with special health needs through changing the current healthcare system to a more open and inclusive system.

The innovative power of users and care professionals, combined with Fab Labs and open hardware is still full of potential. In order to support innovation in healthcare, the Careables project will remain open and accessible to different organisations and individuals who undertake activities in accordance with Careables Principles and Values.

1 – Project Goal

Enhance peoples' well being with Careables as a strong and diverse network.

2 – Vision for the project

Careables' vision is to become the preferred platform, all over the world, to find and create open, inspiring healthcare solutions and methods, transferable to local contexts.

3 – Objectives for 2021

1. exploit and spread what we created
2. grow the active community: open up for new organisations
3. support reproduction of documented careables
4. support co-creation of new careables
5. establish the new structure
6. sustain the core team through fundraising

4 – Values & principles

Careables is committed to responsible making and has defined a set of core principles³:

1. **Make things that make sense:** Create solutions that answer real personal problems or needs.
2. **Co-design with others:** Make space for diverse skills, competencies, knowledge, and experiences to merge and come to new and meaningful solutions.
3. **Empower people:** Teach others so that everyone can become more technologically literate and see the potentials.
4. **Share How You Make:** Openly document the project's making, enabling its replication and choosing the most appropriate licenses for your project.
5. **Be aware of limits:** Consider any gaps of knowledge when you design for health and care, ask the people you design for and clinicians for support and feedback and follow quality and safety standards.

These clear guidelines of what makes a careable are published on the website.

³ Based on the Principles of Sustainable Making, co-created at DOTS. The impact summit in Nakuru, Kenya, 2019.

Reference: Isabel Nuesse, Robert Wanalo: How can maker spaces boost sustainability and help build a wellbeing economy?

<https://wellbeingeconomy.org/how-can-maker-spaces-boost-sustainability-and-help-build-a-wellbeing-economy>

5 – Our Practice

What we do and how do it forms that essence of Careables:

- **Access and Empowerment**, through learning and teaching openly.
- **Create and Share Knowledge** by co-creating with end users and affected groups, followed by testing and improving.
- **Connecting Communities** by bringing different communities together to enrich the database knowledge.
- **Collect and Document processes** in a visual and comprehensible manner to groups of different backgrounds and needs.

2.2. Process & Benchmarking

To decide how we want to continue the Careables work after the funding runs out, we did several steps that we recommend anyone to do in a similar situation:

1. assessing the status quo: which strategies seem promising

(1) Spotlight *careables platform*: two 'relative sustainability strategies' seem promising



- Framing careables.org as an academy-like vehicle for blended and value-driven learning & education.
- Schools, universities and related programs such as Fab Academy could use careables.org to source real life pain points which their students should try to solve.
- Contributing would become obligatory for some, voluntary for others.



- Framing careables.org as a civil society-driven initiative to be sponsored by one or two distinguished foundations.
- Ideally, the foundations would sponsor the intermediary overhead, not the transaction between users and makers.
- Contributing would become easier as the matchmaking would be outsourced.

Figure 3: Careables Sustainability Strategies

2. benchmarking: How are others doing it? We created a spreadsheet with the most important categories we needed to answer to evaluate different promising governance models.⁴

⁴ See Annex 8 and 9 for the benchmarking overview.

We looked at different kinds of organisations



Figure 4: Organisations reviewed for Sustainability Practices

3. we found 3 basic options:
 - a. loose structure (one org is responsible for central contact, one for the website, one for this, this, ...)
 - b. new association, own legal & admin structure
 - c. under existing legal & admin structure
4. checked with partners: how much commitment is possible for each of them? What activities can/will they be able to do after the H2020 funded period?
5. distinguished the minimum offerings (platform, training materials) from additional activities (events, legal advice, community channel, consultancy)
6. found that we currently are mostly a platform and knowledge base and asked ourselves what we'd like to become: a brand, a movement, a network, a community, a charity?

2.3. Careables Design Challenge with imc FH Krems

Careables also received external input for sustainability planning. In a design challenge approach a group of six students from imc FH Krems in Austria, were looking for innovative social business models to sustain our services and make Careables a worldwide service. From October 2020 to January 2021, the group worked on understanding our problem and area of work, mapped stakeholders, held 25 interviews, and created personas.

Through ideation and prototyping they developed 3 solutions for our problem statement:

- a standardized workshop that is replicable in every makerspace,
- a “national” chapter structure to provide clear and easy access for all potential partners and
- a Kick-off event to increase national awareness of Careables & co-design in healthcare

For their approach to work, they launched some testing activities and stressed that core stakeholders to further engage with are makers, media as well as the sponsors.

We, as the Careables consortium, are currently in the process of following-up and fine-tuning their prototypes as they align very well with the sustainability plans brought forward by the partners. The full report⁵ from the students’ sustainability design challenge is in the Annex. Quoting from their conclusion:

“Very positive and motivating for us, of course, was the great encouragement for the idea that we received from the interview partners. Above all, we received positive feedback from the makers, the media, and also from the lecturers. Furthermore, it is important for us to note that we received a lot of appreciation, especially from the maker scene. If, for example, no interview partners were available due to time constraints or other reasons, we still received justified feedback.”

We are very grateful for this fruitful collaboration and can encourage any project to collaborate with students to find new ideas, work on dedicated case studies, or test prototypes.

2.4. Careables 2021 and beyond Governance Structure

This is the outline of how Careables will be carried out in the coming years. The Governance Structure document was created in the form of a Memorandum of Understanding. It includes:

- The different Careables bodies, formations, and interactions between the Advisory Board, Partners, Steering Circle, and Core team.
- Management and decision making requirements: a description of how the partnership will be managed, how decision making will be determined, to make important decisions about the finances and operations of the partnership.

⁵ see Annex 7: imc FH Krems Report Real World Case Study

- Partner addition and withdrawal: the guidelines for how the partnership will handle the addition of partners, the voluntary withdrawal of partners, and the involuntary withdrawal of partners
- Partnership dissolution: an outline of the circumstances under which the partnership can be dissolved and a description of how the partnership's remaining assets will be divided between the partnership if the partnership is dissolved.

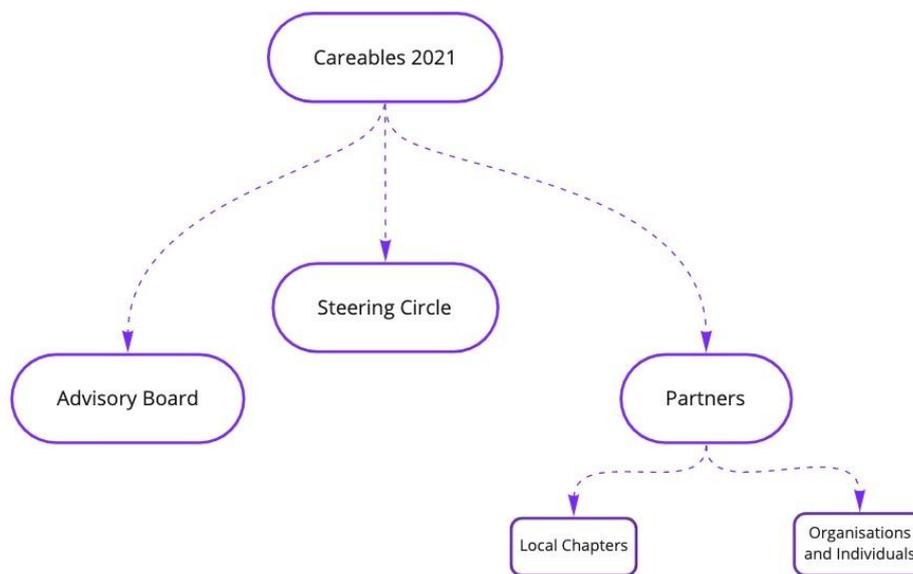


Figure 5: Careables 2021 Structure

1 – Steering Circle

A steering Circle will be formed to continue Careables activities and maintain the growth and sustainability of the project.

Members:

- Careables Consortium Partners who continue Careables work.
- Local Chapters that worked on Careables during the period from 2017-2020.
- New Local Chapters and Partners that join Careables starting 2021 and who will be voted to join the steering circle by other members of the Circle.

Structure:

- meet online on a monthly basis
- each partner will be represented through one person
- decides on hiring/termination and budget matters
- set and discuss priorities for each month that help achieve growth

- share knowledge from their respective fields on innovative solutions and projects that can be adopted or included in Careables
- suggest and/or appoint experts who can take over quality control.
- decide which projects to run as Careables
- make decisions on partnerships
- discuss reports and updates from local chapters
- approve the use of the Careables brand by others in projects and global activities
- update the MOU and rules of engagement

The structure should ensure enough flexibility to allow new partners on board and allow Careables activities to grow innovatively and beyond the original set framework.

2 – Core Team

Careables Core team will be a sub-body of the Steering Circle and will be primarily made of the team handling day-to-day management and communication tasks.

The team will have the following responsibilities:

- organizing Steering Circle, Advisory Board, and Partner periodical meeting
- Community management (onboarding new partners, collect reports and updates from local chapters and organisations that carrying out Careables activities)
- Update the website and Careables digital communication channels
- Responsible for internal and external communication as a contact point (email address, social media requests)
- Media and press relations
- updating the Welder.app for documentation of projects and approving or removing projects on the Welder.app, if it is potentially dangerous
- fundraising support & initiative: set separate meetings for project proposal writing and developing

3 – Advisory board

An advisory board will be established from experts that are willing to volunteer their time and expertise to support Careables with strategic plans and expert opinion on specialized matters.

Members:

- Global Health experts
- Technology and digitization specialists
- Designers and Makers

Suggested Names :

- Andrew Lamb, Field Ready



- Molly W. Rubenstein, Open Source Medical Supplies (OSMS)
- Raul Krauthausen, Sozialhelden
- Jon Schull, eENABLE
- Sharry Lassiter, Fab Foundation, MIT
- David Ott, Global Humanitarian Lab
- Matilde Leonardi, Fondazione IRCCS

Structure:

- The Advisory Board will meet two times a year
- The board will be consulted for setting Careables strategy for next years.
- Reflection and feedback on activities reports
- Introducing Global Impact Health Communities and recent practices

4 – Careables Community

Careables Partners are organisations, individuals, makerspaces, and hubs that will be carrying out Careables activities through engaging with target groups in their local areas. Partners will be ideally spread out around the world with the mission to work through Careables values and principles to bring open healthcare solutions to their local communities.

Careables fosters two forms of community involvement: a) Local Chapters (long-term and consistent partnerships), and b) supporting and exploiting Careables results as Open Knowledge.

Local Chapters

Local Chapters are organisations that wish to be deeply involved with Careables and to integrate Careables methodology into their organisation. Local Chapters will be carrying out Careables activities on a long-term basis and will be sending periodical reports for review by Steering Circle.

Structure:

- **Visibility:** Local Chapters activities and projects will be published and featured on the website along with logos of their organisations. Activities will be published after being checked for compatibility by the Core Team
- **Access** to Educational tools and the global knowledge exchange network.
- **Financial support** -when available- will be offered to specific activities.
- **Separate Logo:** Local Chapter will have their specific Careables Logo e.g. **Careables Nepal**. A distinguished Logo should allow Local Chapters a level of autonomy.
- **Building a local network** of similar spaces and organisations in their respective countries.
- **Representation and decision making** through voting rights and membership in the Steering Circle will be determined according to a set of criteria i.e degrees of involvement, regional diversity



Current Local Chapters:

- [Casa Criatura](#), Olinda Brazil
- [Nepal Communitere](#), Kathmandu Nepal
- [Kumasi Hive](#), Kumasi Ghana
- [Lab Procomum](#), Santos Brazil
- Open Dot, Milan Italy
- Waag, Amsterdam Netherlands
- be able & Agile Heap/Prototypes, Berlin Germany

Careables as Open Resources

Through the Careables website, everyone has full access to the educational tools and resources that were created during the project duration.

With outreach activities, we target organisations/individuals that work on similar projects and have the interest to include one or more aspects of Careables in their work. These are:

- organisations and makerspaces that could produce and 3D print Careables devices to their local communities.
- Spaces that raise awareness on the topic of open healthcare systems, through our event formats and educational resources.

We're inviting these initiatives to use Careables resources or even contribute to Careables resources, like:

- publishing careables on the welder.app open hardware repository
- hosting a Careables exhibition
- creating Careables events and trainings

We will ask people to inform us about the use of Careables resources and provide toolkits and templates for open usage.

2.5. Fundraising

During the project duration, many proposals to different funding bodies have been handed in.

1 – Proposals

A successful one is an application to the Mozilla Open Source Support (MOSS) COVID-19 Solutions Fund that Casa Criatura handed in with support from GIG. Careables Casa Criatura Olinda in northeast Brazil is producing face shields for local hospitals based on an open source design. With their award, they increased their production of face shields as well as produced aerosol boxes using an open source design, developed in partnership with local healthcare professionals. Outside of North American ICUs, many hospitals cannot maintain only one patient per room, protected by physical walls and doors. In such cases, aerosol boxes are critical to prevent the spread of the virus from patient to patient and patient to physician. Yet even the Brazilian city of Recife (population: 1.56

million), has only three aerosol boxes. The Committee has approved a \$25,000 award and authorized up to an additional \$5,000 to help the organisation spread the word about their aerosol box design.

One of the smaller proposals we won is a travel grant for the Kumasi Hive team to come to Berlin for two weeks, supported by the Berlin University Alliance. Unfortunately, it was not possible yet to realize the plan due to the pandemic situation in Europe.

Two big proposals that would have enabled the continuation of many of the Careables activities have not been successful:

In order to further implement the capacity building aspects of Careables in a wider European context a subgroup from the consortium (ZSI, Opendot, Agile Heap), together with new partners, prepared a submission to the European Social Catalyst Fund 2020⁶ under the title "*FabCare4All: Establishing an European Culture of Co-Creating Open Health Solutions*". The target countries, where we planned to do some groundwork to establish similar training courses as those conducted in Careables, networking opportunities, and creation of local and regional chapters, are Lithuania, Croatia, and Austria, next to the already involved countries Germany, Italy and the Netherlands. With the ESCF grant, we planned to explore the implementation of activities in these selected countries and scale them to an innovative public service for healthcare in Europe. We wanted to mostly focus on Public-Private Partnership models in different settings and with different stakeholders. Unfortunately, we did not receive this funding.

As a response to the COVID-19 pandemic, the European Commission launched a special call in 2020 under the Horizon 2020 programme to *advancing knowledge for the clinical and public health response to the 2019-nCoV epidemic*⁷. Due to our experiences in Careables some partners were invited to join an international consortium that focused on harnessing the potential of the open hardware approach for the acceleration of market innovations and to scale existing COVID-19 project initiatives that address the negative consequences of this crisis. The proposal called *OpenChoice: Open Hardware Fund and Incubator for Coronavirus Response* included 13 partners with 3 Careables members (ZSI, GIG, Agile Heap). It was evaluated positively but did not reach the funding mark.

Together with *be able*, the association with whom we are creating the Hackademy and that runs the German *matchmymaker* platform, we created proposals for "[digitalengagiert](#)", for [Bildungslotterie](#), Aktion Mensch and the [OpenTransfer](#) Accelerator. So far we only have the response for the acceleration programme and are fortunate that it now supports *matchmymaker* to scale in Germany.

⁶ <https://www.euscf.eu/>

⁷ H2020-SC1-PHE-CORONAVIRUS-2020-2

Additionally, Careables Chapters are working to connect even more with hospitals and traditional health institutions that are potential customers. Kumasi Hive is planning to host more workshops with hospital staff, while Nepal Communitere who is currently opening the first fablab in Nepal is working with hospitals that started creating makerspace capacities in their facilities.

To acquire sponsorship and funding partners beyond foundations, we created a pitch deck and sent it to around 40 close contacts. We're now in talks with 10 companies that have relevant CSR programmes that could fit for Careables activities. Finding funding for the core team is our priority currently.

2 – Glifo Kickstarter Campaign



A 3D printed custom aid that helps children with disabilities achieve autonomy in writing and drawing

Created by
OpenDot

170 backers pledged €5,555 to help bring this project to life.

📅 Last updated February 2, 2021

Figure 6: Funding Campaign: [GLIFO - The custom-made writing aid by OpenDot — Kickstarter](#)

Within the project, we wanted to test crowdfunding models to sustain the social values of Careables and understand their potential markets and reach, with the collaboration of Kickstarter, the pioneering crowdfunding platform. The choice fell on Glifo, a simple 3dprinted careable that helps children with a complex neurological disorder to write and draw; it is the result of a co-design process that engaged therapists of TOG foundation, makers from fab lab OpenDot, and families. It was born back in 2014 and then it went through following iterations up to the 3rd 2020 design.

The Kickstarter campaign started in October 2020, lasted for 30 days, and aimed at developing an online configurator that will enable anyone to make their own Glifo, tailored to their specific needs and taste, and receive it at home. Glifo has a long story and the configurator is its natural evolution because it allows us to simplify the process to obtain it and magnify its geographical accessibility.

Through the campaign, the backers had also the possibility to support the delivery of Glifos to selected no-profit organisations such as Okapia working in Africa and Casa Criatura, the initiator of the Olinda Careables chapter in Brazil.

The communication campaign used various channels, such as Careables project social media, partners' social media, media partnership, and press office activities, and reached its goal successfully with 170 backers and 5.555 euro collected.

Beyond useful guidelines and tips we will provide for those willing to start a crowdfunding campaign for their careables, we learned that:

- Kickstarter has a big reach. Being included in its newsletter as a featured project, allowed us to interest backers from e.g. Japan and USA. Despite the fact that Kickstarter is usually focused more on product-oriented and profitable projects, the backers loved the “Glifo sospeso” reward that basically was a donation to children in need of a Glifo. Kickstarter itself is interested in opening a branch focusing on social impact;
- The need for tailored tools for children with cerebral palsy is real as demonstrated by the organisations we put in contact with and their enthusiastic response. Then, we already received 6 requests for the new Glifo after the campaign;
- In general, companies were much interested in Glifo and willing to put corporate responsibility at the heart of their businesses but Glifo campaign planning and timing were not on our side to close collaborations. We built a partnership with Driveworks, the technical partner collaborating in the development of the configurator without compensation because they embrace the social cause. Also, i-materialize, the 3dprinting service that will print and deliver Glifo to the recipients, contributed to the dissemination of the campaign;
- a distributed model – on the basis of renowned examples such as OpenDesk platform – involving fab labs worldwide in the 3dprinting and delivery of Glifo locally to families can be the next step.

2.6. Exploitation plan from each partner

Additionally to the joint plan to keep on working together on the Careables platform and activities, many partners have individual exploitation activities.

1 – Agile Heap / Prototypes

Agile Heap / Prototypes for Europe is a non-profit organisation in the field of research and innovation. We are continuing to focus on **OSHW** as one of the core areas of engagement. Careables has been a rewarding project, we gained a lot of insights and learnings that can support our further endeavors in combining health-related co-design with the development of prototypes and technical solutions.

- The **Open Health HACKademy** event series is continuing through the sustained efforts of Isabelle Dechamps in connection with the partner project MatchMyMaker. **OHH #4** and **#5** are already in preparation and in planning and we are very supportive of the continuation of this series.

- We are evaluating how and if specific careables could become part of the Demonstrator phase within the H2020 Projekt OPEN!NEXT. Also, we want to introduce it as a possible thematic cluster topic within the project in the upcoming Demonstrator phase.
- We would like to stay involved in the Careables community by supporting with technical and co-design expertise.

2 – GIG

The Global Innovation Gathering is a global network of social and technical innovators that is providing a platform for collaboration and exchange between innovation spaces and a non-profit association registered in Germany. After the EU-funded project period GIG is now inviting all partners to become members of the network and become part of the GIG community and to continue the project under the GIG umbrella.

Beyond that, the GIG association is advancing its charitable goals (development cooperation and education) through the exploitation of Careables results:

- Members of the GIG network in many different countries are committed to continuing Careables activities, and further growing the platform and practices through co-creation events, training, reproductions, and exhibitions. The members are often managers of NGOs and SMEs, like innovation hubs, located mostly in Low- and Middle-Income Countries. In their hubs and makerspaces they are further exploiting the materials and methods co-created during the project as well as the Open Hardware platform.
- Inspired by the collaboration with healthcare professionals during the Careables projects, GIG formed a partnership with Siemens and the Egypt NGO Masr Bela Marad (MBM, Egypt without Disease) to create a new primary healthcare facility in the greater Cairo area. Together with the humanitarian NGO Cadus, GIG is supporting knowledge exchange and quality control. The clinic will be opening in April 2021. In the long term GIG also wants to help MBM to create scaled Careables activities to promote good health and well-being for people in Egypt.
- Scientific Exploitation: Together with ZSI, GIG has started to transfer the scientific knowledge to new projects that are related to the topic of Careables: the H2020 research projects CoAct, studying Citizen Social Science, which started in January 2020, and Critical Making, which started in January 2021, and has been partly inspired by the work on Careables and continues the work on Open Hardware.

3 – KU Leuven

As also indicated in the project Grant Agreement, KUL does not have any commercial exploitation interest related to the technology developed by the Consortium partners. KUL has, rather, a **non-commercial exploitation interest**.

This interest has been substantiated – throughout the project – in augmenting the research centre’s⁸ in-house legal experience and reputational benefits.

The core achievements are summarised as follows:

- **Enhancement of In-House legal expertise:** the research carried out in Made4You was illustrated within KU Leuven CiTiP, as part of recurrent research meetings, such as CiTiP monthly meetings, and the CiTiP Health-Enhancement meeting. There, experiences and research findings were discussed among over 60 researchers with expertise in Information Technology and Intellectual Property Law. Furthermore, the preliminary findings were exposed in a project poster⁹ and illustrated amongst many scholars and legal professionals at the occasion of the 30th anniversary of the research centre.¹⁰
- **Promotion of more innovative academic publications:** Existing literature Open Source Hardware (OSHW) has focused heavily on Intellectual Property Rights (IPRs) and tort law aspects concerning Open Source Hardware, and mostly with a general scope of application.¹¹ The publication issued in Made4You – particularly, the article ‘Open Source Hardware and Healthcare Collaborative Platforms: Common Legal Challenges’ published by the Journal of Open Hardware – is worthy to be regarded as a meaningful contribution to the existing academic literature in legal studies concerning the topic. Notably, this publication is original and may address gaps in the current literature state of the art as it is specifically targeted to healthcare solutions, and they assess the crucial aspects related to medical devices law – which are often disregarded by scholars due to the technicality and specificity of the said legal domains.
- **Engagement in future projects:** Research activities in Made4You have strengthened existing connections, created new opportunities, and served as a knowledge basis in eHealth matters for the research centre. This turned particularly true with regard to future project partnerships, notably in the field of:
 - **OSHW** [with regard to aspects related to the strengthening of existing connection and creation of new opportunities] further to its involvement in the Made4You project, CiTiP took part at least in two research proposals concerning the topic of OSHW, such as OpenChoice (submitted 2020); and eSmart (submitted in 2021 and under scrutiny by the European Commission).

⁸ By ‘research centre’ we mean here the KU Leuven Centre for IT & IP Law, hereafter: CiTiP.

⁹ Biasin, Elisabetta, & Kamenjasevic, erik. (2019). Made4You (Project Poster) - An open and dedicated platform to share and exchange open hardware healthcare solutions. see https://limo.libis.be/primo-explore/fulldisplay?docid=LIRIAS2861621&context=L&vid=Lirias&search_scope=Lirias&tab=default_tab&lang=en_US

¹⁰ *ibid.* see

<https://www.law.kuleuven.be/citip/en/news/item/old/30-years-icri-cir-citip-celebratory-conference-three-decades-the-crossroads-of-ip-ict-and-law>

¹¹ For more details on legal literature in the matter, see WP6 deliverables.

- **eHealth solutions** [with regard to aspects relating to experience/knowledge basis]: amongst the many research proposals, the following may be reported: AIRaRT, I3LUNG, EVEXIA, BREEZE, HEAL-T, SERWO, CrowdMAI (submitted in 2019-2020). As regards successful proposal submissions, InSilicoWorld¹² and Beyond Cosmetic (IdeaLab)¹³ are worth to be mentioned.

4 – OpenDot

As a fab lab established in 2014, OpenDot had a field-experience in creating effective and aesthetically pleasant tools for children with disabilities in collaboration with TOG foundation. Thanks to Careables project, OpenDot has enlarged the internal competencies, from designing careables to teaching co-design methodology, from documenting to building a collaborative platform for multiple typologies of users.

Also, OpenDot has strengthened its positioning in the healthcare field, setting partnerships with new healthcare entities, and has become part of the wide community of organisations, networks, and movements that have been working on health and care, around core principles such as open source, open standard, digital fabrication technologies, platform, human-centred design, and co-design.

Based on the fact that healthcare is one of OpenDot fields of interests, the lines of exploitation of Careables results are:

- to maintain careables.org and feed it with interesting contents and resources for our target audience;
- to support Careables platform's use by other communities, fab lab, students, healthcare professionals;
- to train both professionals who deal directly with disabilities/healthcare needs (e.g. occupational therapists, educators, teachers, nurses, ...) and those with design skills (e.g. designers, makers, engineers);
- to provide services/products for those healthcare institutions that are willing to innovate their internal procedures and tools e.g. by applying co-design methodology;
- to market the new Glifo and its online configurator through communication and dissemination activities;
- to leverage acquired knowledge (e.g. in co-designing platform) in further research projects;
- to actively contribute to the Careables community, with ideas, proposals of collaboration, networking.

5 – TOG – Fondazione Together to Go

In 2015 TOG foundation started using open hardware to create aids that improve the quality of life of children with cerebral palsy, in close collaboration with fab

¹² <http://insilico.world/the-project/>

¹³ <https://www.law.kuleuven.be/citip/en/research/projects/ongoing/beyond-cosmethics-idealab>

lab OpenDot. Since then, the organisation has quickly evolved turning into an innovation center, being part of the wide ecosystem of Italian organisations – mostly concentrated in Milano – that has been working on shaping the future of healthcare, as reported also in MaketoCare – Un ecosistema di attori e soluzioni user-centered per l'innovazione nel campo dell'healthcare (2017) by Politecnico di Milano. The Careables project represents a crucial step in this direction, in terms of partnership with high-profile entities, acquired internal knowledge, European dimension. The next phase will lead to the opening of the new TOG headquarters in Milano in late 2022, with an internal fab lab equipped with digital fabrication technologies and open to healthcare professionals, families, makers, and designers.

Following TOG mission and this planned strategy, the lines of exploitation of Careables results are:

- capacity building of healthcare professionals that work in the field of disabilities and infancy through training activities, also in collaboration with OpenDot;
- co-design of new careables together with families but also external healthcare professionals, caregivers, and healthcare organisations, offered also as a service to cover its ordinary activities, namely free-of-charge rehabilitation of children with disabilities;
- dissemination of the Careables knowledge to the scientific community, especially with regard to both co-design methodology to answer to patients' needs and use of technology;
- collaboration with the Careables community at large: bringing in TOG's competencies and knowledge, contributing to fund-raising, and proposing specific projects connected to the new TOG headquarters (e.g. carrying out of summer schools).

6 – Waag

Founded in 1994, WAAG operates at the intersection of science, technology, and the arts. Our work focuses on emergent technologies as instruments of social change and is guided by the values of fairness, openness, and inclusivity. WAAG's dedicated team of sixty thinkers and makers empowers people to become active citizens through technology.

Technology has become ubiquitous in today's society, which greatly affects modern healthcare. Waag Care uses co-creation to work with users, designers, artists, and developers on researching and developing applications and innovative concepts for the healthcare sector. Waag Care connects actors and methods from the creative sector with those working in the field of healthcare. Design thinking and design research are essential parts of this process. Care's guiding ethos is that the users should always remain central.

Within Waag's Care department we developed the MakeHealth Prototyping series. MakeHealth Prototyping brings together those in need of healthcare

solutions with designers, makers, and professionals in healthcare. We include these healthcare professionals, informal caregivers, and people in need of care solutions throughout the design process. Designers provide access to their knowledge and skills during the design stage, while makers help to realise open-source solutions. Together, these experts go through the design and production process to produce personalised healthcare tools, solutions, aids, or adjustments in care services that actually meet the needs of the intended recipients. This way, MakeHealth helps people work together to improve the care and quality of life of users.

If we look to the future we see 2 steps:

- near future (what can we do now); communication: Waag platforms & channels; share upcoming events, what is happening & will be organised. Highlight new projects/articles that are placed on the Careables website, share the methods, promote where we can.
- In the future Waag would like to develop and participate in (EU) project-proposals to extend the current Careables platform and activities, but also address new research questions and enhance the MakeHealth program. Possible research topics could be focussing on collaboration with the industry on open source solutions, further implementation (in accessible steps) of the CE-certificate for the prototyping of healthcare innovations. Waag is also committed to strengthening the collaboration with healthcare institutions to implement Careables as an innovation strategy.

New business: Studio Junctuur

One of the initiators of the Made4You proposal started her own company out of the Careables experience: Studio Junctuur aims to transform healthcare through design and design processes. The founder strongly believes that design processes can support the change within the healthcare system that is needed. Applying design processes enables healthcare professionals as well as people with healthcare challenges to change their mindset and perspective. The experience of Careables has shown that design processes can do this. Based on these experiences Paulien Melis continues to work on these maker-transitions, and also expands her work to local communities.

7 – Wevolver

Wevolver has a foundational belief in the positive impact that technology can make, and that people need knowledge in order to innovate. Wevolver's purpose, therefore, is to enable engineers to understand the current state of the art, so they can develop better technology. Its platform provides access to knowledge and a community to connect with.

The knowledge that is made available through Careables projects and the Welder platform is strongly in line with that mission. Continuous support of Welder is, therefore, an element of Wevolver's community-building efforts, and enables

Wevolver to offer the usage of Welder to organisations it is working with, such as universities and research labs.

- Wevolver will host and maintain Welder.app, where the Careables projects are published. Therefore the projects will remain accessible, and new projects can be added.
- The software of Welder.app is open source which means that anyone can contribute to the development of its code, or use it for one's own purposes. Wevolver will continue to engage with the software community, and where possible support developers who create improvements to the Welder codebase, or who need support when leveraging the code for their own applications.

8 – ZSI – Centre for social innovation

ZSI is a non-profit private research organisation with a focus on studying the emergence and diffusion of social and socio-technical innovations. Grassroots initiatives responding to social needs, such as those initiated by certain maker communities have been a research focus for ZSI for some years and going to be so in the future. We see great potential for social and transformative innovation in some of the practices that we have encountered in Careables, and more generally in open healthcare practices.

Thus, for ZSI there are currently 3 main lines of exploitation for the results from this project:

- **Exploitation of scientific knowledge:** we plan the exploitation of scientific knowledge in the form of scientific publications and engagement in new scientific projects; we are e.g. planning to submit scientific publications on the results from the training activities (as described in Deliverable D4.3). In addition, we have already started to transfer the scientific knowledge to new projects that are related to the topic of Careables. E.g. the H2020 project Critical Making, which started in January 2021, has been partly inspired by the work on Careables and continues the work on Open Hardware.
- **Steering Careables:** ZSI is committed to joining the Careables community and steering board as described above in the sustainability plan. We see our main role there in the scientific support for the actions, giving ethical guidelines and an RRI vision; and finally, contributing to the fund-raising activities by looking for new funding opportunities
- **Supporting the Careables local chapter in Austria:** our third exploitation focus is related to the local/national situation in Austria, where the topic of open healthcare is still in its infancy. The Careables project gave us the opportunity to start some first networking activities and identify some national stakeholders, who may be interested in setting up an Austrian Careables chapter. ZSI will continue to create a dialogue around this issue and connect stakeholders in order to advance open healthcare in Austria.

3. Awareness Raising, Outreach and Dissemination Activities

Within the Communication and Outreach activities we mainly fostered the objectives:

- Build a collaborative ecosystem of citizens with disabilities, healthcare professionals, and makers;
- Provide access to open source and digital fabrication tools;
- Foster the ecosystem through open exchange of knowledge;
- Build guidelines that allow anyone to replicate formats everywhere.

In strong collaboration with the community engagement activities of WP1, the WP5 lead the awareness raising, outreach and dissemination activities.

Many of our planned activities in 2020 have been disrupted by the COVID-19 pandemic. We adjusted and adapted to support the global maker response which led to increased activity and visibility in comparison to if we would have only worked on the individually customized assistive tech solutions as we intended to work on.

In the rapidly changing first weeks of the global scale of the pandemic we collected and published the diverse COVID-19 maker response initiatives we found to help people get an overview, find how to become active and where to find good information.¹⁴

3.1. Events

For reporting purposes, we divided events and other outreach activities. Events have been reported on in the D1.3 Final documentation of events, maker gatherings, and training.

In this report we want to take a little bit more space to elaborate on the maker gatherings and the exhibition, as both function as a strong connection between community engagement, awareness raising and connection to new communities.

1 – Maker Gatherings

DOTS. The Impact Summit 2019

DOTS is an impact and output-driven event format that is held by GIG on an annual basis. The summit is a combination format of a hackathon, a barcamp, an accelerator sprint – and other innovative formats and methodologies that scale-up collaborative (South-to-South) projects. DOTS 2019 took place in

¹⁴ To find the list of Corona Care Maker Initiatives, see Annex 10 or visit online: <https://www.careables.org/resource/corona-care-maker-initiatives/>



Nakuru, Kenya and was attended by GIG members, ASKlab members and African innovators.

One of the main tracks during DOTS 19 was "creating Open Source Hardware in Healthcare – hands-on making" The track was led by Careables and [Cadus](#). Cadus is a charitable and independent aid organisation that initiates innovative and sustainable projects focussing on need-based capacity building to help people help themselves. The Life Sensor, a repairable patient monitoring device, was one of the recent inventions, and the first prototype was being finished after two years of development.

At DOTS, the Life Sensor was shown to GIG members, who checked it's preparedness for local use cases, and tried the reproducibility and work on the next iteration of the prototype: a custom circuit board that reducing the size and the error-proneness of the unit while keeping the parts modular.

Careables Online Maker Gathering

Weeks after COVID-19 has started to take its toll on Europe, Latin America, and many other countries around the world, Careables team and partners found themselves in the middle of a virtual flood of information related to overcoming this crisis. Careables being an open and inclusive approach to healthcare for citizens meant that our work and the values we stand for were never more needed or relevant to the world. Our partners and initiatives from around the world were using our platform [Welder.app](#) to document and explain how to openly develop hardware to find solutions and to respond globally as humanity to a safer and healthier world. Documented projects included [3D printed face masks](#) to [COVID-19 decontamination toolkits](#) to [door openers](#), online hackathons, and media awareness campaigns on fake information.

Two months after the break of the pandemic we understood that the current pandemic might be doing more than we expected. It was changing mindsets and culture towards connecting virtually. More people were using all kinds of video conferencing tools to connect, attend webinars, and host events in what felt like a global virtual response. For Careables it meant shifting our mindset to transfer our vibrant physical meetings to an equally exciting and informative online gathering. Careable Online Maker Gathering started on 25th June with more than 50 attendees throughout the day. The first session was dedicated to Mapping the Health Making Community & Current Global Activities, the second session tackled the Effect of COVID-19 Maker Response on the Environment, while the third was on the Training the Healthcare Makers of the Future.

To support the global shift to online events, we created a **“How To for Online Maker Gatherings”** summarizing learnings from our own event organizing and best practices we found helpful.¹⁵

¹⁵ See Annex 11.

African Makerspace Gathering

The African makerspace gathering was a hybrid event format that was held online and offline from the 26th to 27th November 2020 in Accra, Ghana, streamed into 6 innovation hubs/makerspaces for viewing it together and to the wider public on zoom. It brought together about 30 makerspace founders, co-founders, makers, culture influencers, and African government officials. In total it reached 286 people. The gathering generated conversations around maker culture in Africa and how to connect makerspaces in Africa together.

Careables partner Kumasi Hive hosted a workshop session during the gathering where Careables was explained and the moving exhibition was presented. Careables team explained how makerspaces can join the global community of makers to create open source hardware healthcare solutions. The goal was to make hub founders and makers inspired to create assistive tech initiatives according to the values of Careables. The Careables team from Kumasi Hive also presented a prototype of a white cane with sensors and received feedback from the makers on additional features that could be implemented to the prototype.

We got 3 new makerspaces interested in joining Careables from the event. We plan on continuing engagements through sharing news, moving exhibitions and further national maker gatherings to make progress.

DOTS. The impact summit 2020

DOTS 2020 was the first online edition of Global Innovation Gathering annual convention of innovators from around the world. It took place on December 10th and 11th, 2020. On the second day of the program, Careables hosted a session with the name of *"Global Open Source Health Care: How can you support the Community around your Hub with Careables"*.

Careables teams in Brazil discussed the roles of Careables Makerspaces in Global South. A special focus was given to Careables approach and its effect during the COVID-19 maker response. The presentation also tackled how the maker community can use the tools collected and created to initiate assistive tech programmes that value co-creation and sharing.

2 – Moving Exhibitions

The Careables moving exhibitions are offline exhibitions that took place as part of our outreach activities. The exhibition told the story of Careables, which included the core principles of the project and shared a few stories on Careables all around the world. The aim was to give visitors/viewers a sense of the wide variety of projects that are created in terms of location, people, and solutions. During the exhibitions, a selection of careables was created in local makerspaces and displayed for the local community. The decentral setup allowed the exhibition to be exhibited simultaneously in different parts of the world. It also gave hosting exhibitors access to exhibition materials that other hosts used in

different countries. One example, the exhibition in Olinda, Brazil, used models from Careables exhibitions in Ghana.

Some of our learnings:

- Use simple materials: the basics of the Careables exhibition are big posters, producible anywhere in the world
- Create a clear exhibition pack: Instructions, materials, open design files and ideas to share with everyone
- Reimburse material costs, we used a flat fee to minimize bureaucratic overhead
- Don't underestimate the effort: every exhibiting space will have questions and the wish to connect about the details of the exhibition. This is a good opportunity to learn from your partners and improve the exhibition pack.
- Use the moving exhibition as a way to widen your community network: for the Careables exhibition, our partners partnered up with relevant communities in their cities, so our reach increased even more

Map of Locations

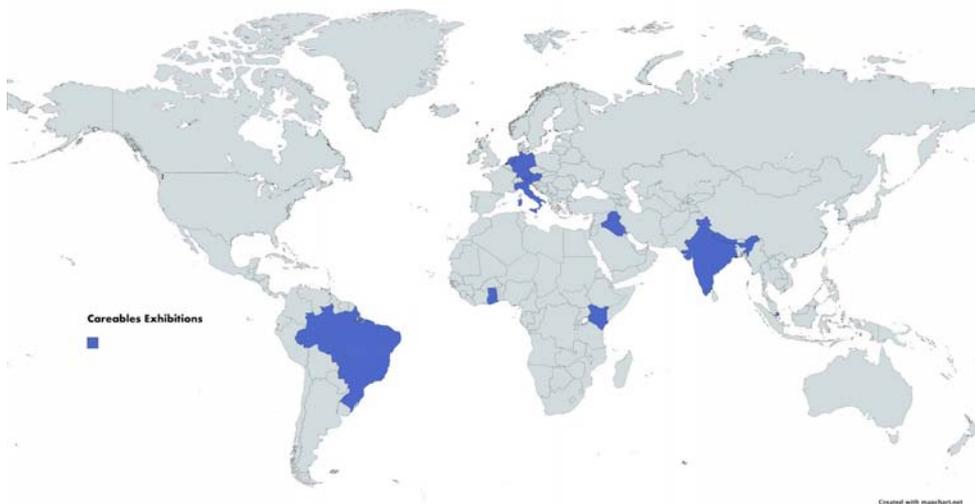


Figure 7: Map of exhibitions

Careables Moving Exhibition happened in 10 different Cities, in 8 Countries and is still scheduled to happen in new locations.

Table: List of Exhibitions

City, Country	Dates
Nairobi, Kenya	26 March, 2021
Bangalore, India	18 - 27 January, 2021

Erbil, Iraq	9 Jan - 10 Feb 2021
Gmund am Tegernsee, Germany	14 Dec 2020 - 15 Jan 2021
Nepal, Kathmandu	20 Nov - 20 Dec, 2020
Kumasi, Ghana	1 December 2020
Singapore, Singapore	20-22 November, 2020
Santos, Brazil	27 Nov - 11 Dec, 2020
Olinda, Brazil	17-27 November, 2020
Berlin, Germany	6 Sept - 5 Oct, 2020

Video Summary

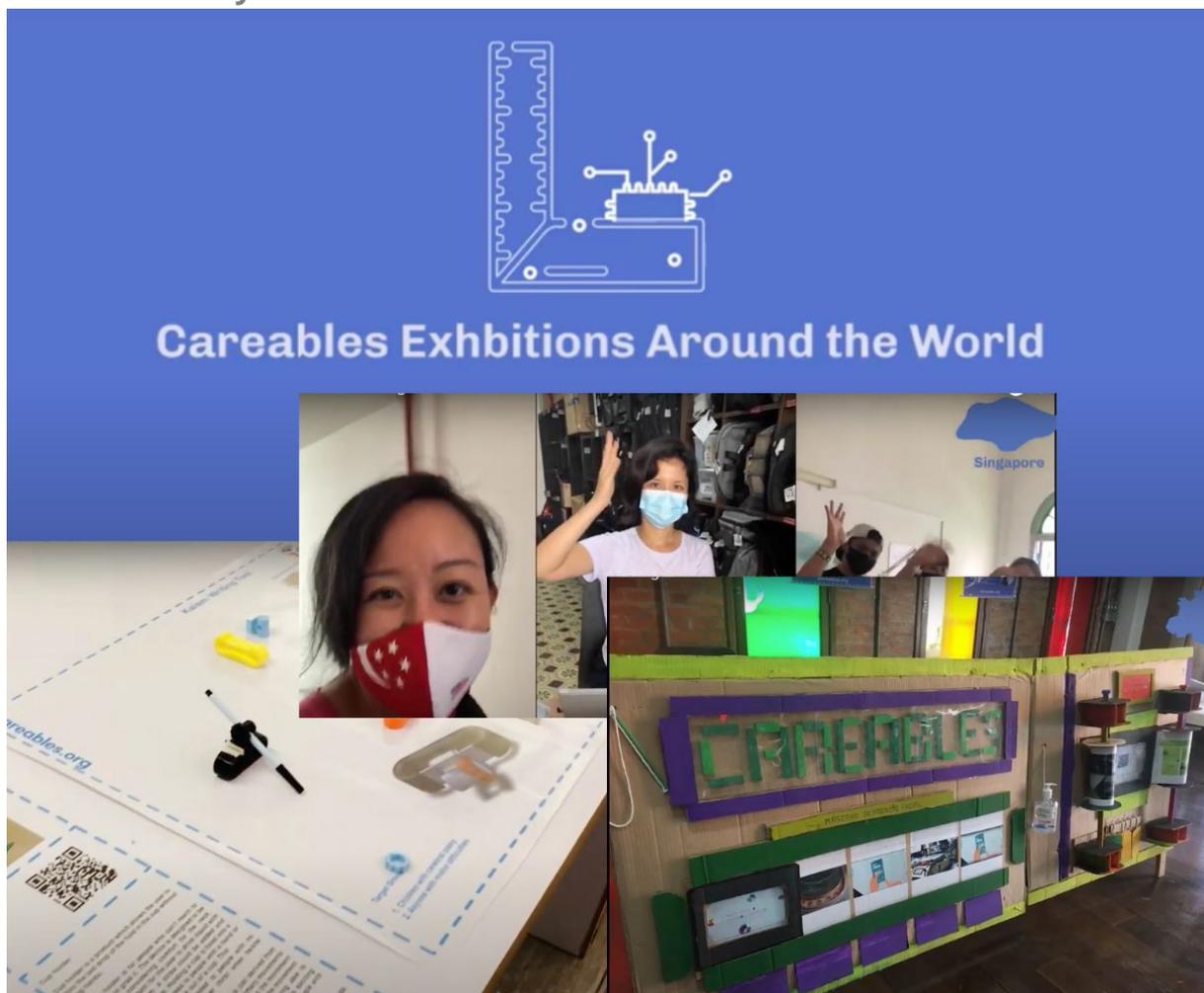


Figure 8: Collage with Shots from Careables Exhibitions Video¹⁶

¹⁶ watch it on <https://www.youtube.com/watch?v=fRCx65Tg1GE>

3.2. Social media

Social media sharing was a learning and interactive process. Some lessons:

- If possible, use paid ads (Facebook, Instagram, Twitter) to grow the community that you're engaging from the very beginning. Our community grew organically, and there is a lot of interest. But more engagement would have happened if the followers were more to begin with.
- Events are extremely helpful for increasing engagement (offline + online)
- Sustained sharing of content directly correlates to engagement, so it's definitely worth investing in someone(s) to keep people digitally engaged.
- When it comes to online engagement, progress is better than perfection. For example, for us the use of Canva for quick graphics as opposed to waiting for a designer to create professional designs on Photoshop.

Hashtag: We established #Careables as our hashtag across platforms.

1 – December Campaign: #31daysofCareables

To increase community engagement, thank the communities we worked with in the past 3 years and make organisations aware of Careables who didn't collaborate yet, we created a christmas calendar that functioned as a countdown for the year 2020 – just because christmas calendars are not spread in every region in the world. Each day we highlighted another wonderful and impressive community in healthcare and making.



Figure 9: Christmas Calendar Campaign

2 – Statistics

Overall, we wanted to reach 1500 followers with 1500 social media posts at the end of 2020. We reached these numbers organically but in hindsight would recommend using an advertisement budget directly at the beginning of a project to gain the highest impact over time.

Platform	No. of followers Dec 2018 (as per D 5.1)	No. of followers Dec 2020	Number of social media posts Dec 2020
Twitter	111	441	989
Facebook	55	687	262
Instagram	77	439	254
Total	243	1567	1505

Table: summary of social media statistics

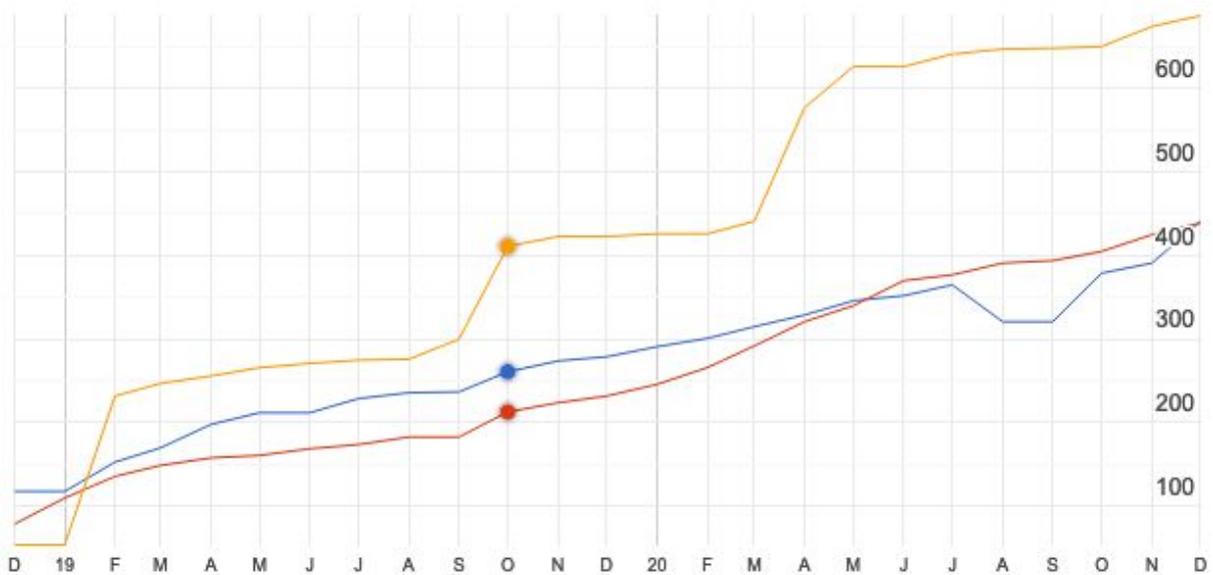


Figure 10: Follower growth over the months

Reach by platform

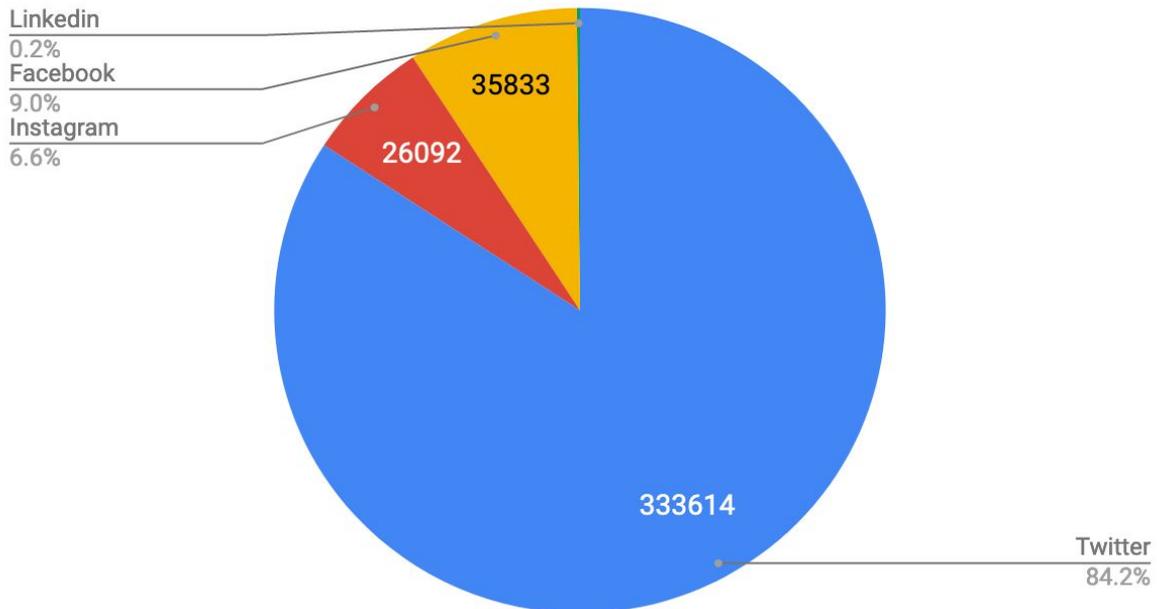


Figure 11: Reach by platform (no of people who saw the posts compared by platform)

3 – Featured social media posts

As some platforms don't give access to statistics after 2 or 4 weeks we created full monthly social media reporting with most important screenshots in separate documents. See annex for an example. We recommend this, and also having your own spreadsheet to track followers and engagement.



8 Profile Visits
324 Reach

Jan 2019 - Instagram

Top Tweet earned 2,066 impressions

We're working with the whole EU project group for the [#Careables](#) platform today and tomorrow. Let us know if you have questions+ideas for us.

[#openhealthcare](#)
pic.twitter.com/stqVZS7L7y



Feb 2019 - Twitter

Top Tweet earned 3,356 impressions

[German] Am Dienstag sind wir beim [@xHain hackspace](#) in Berlin und stellen [#Careables](#) vor \o/ Kommt vorbei: careables.org/event/careable...

7 5

March 2019 - Twitter



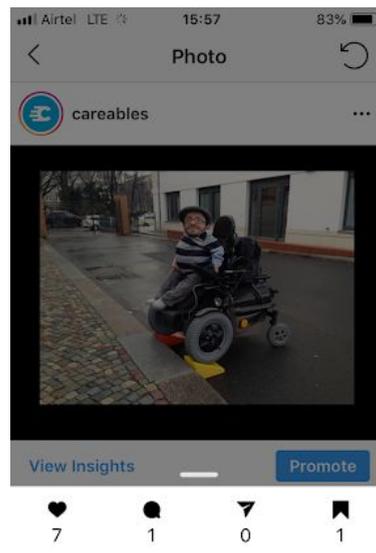
April 2019 - Facebook



June 2019 - Facebook



July 2019 - Twitter



Aug 2019 - Instagram



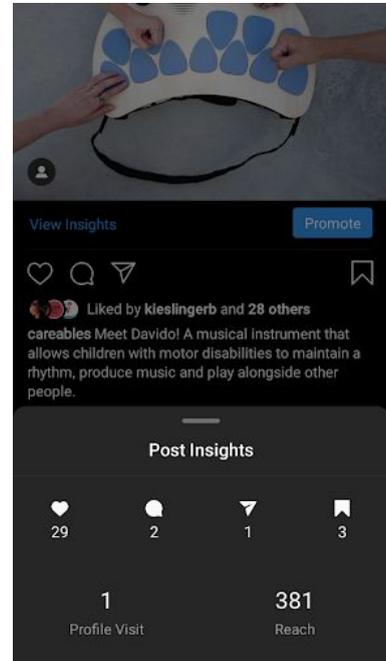
Sep 2019 - Twitter



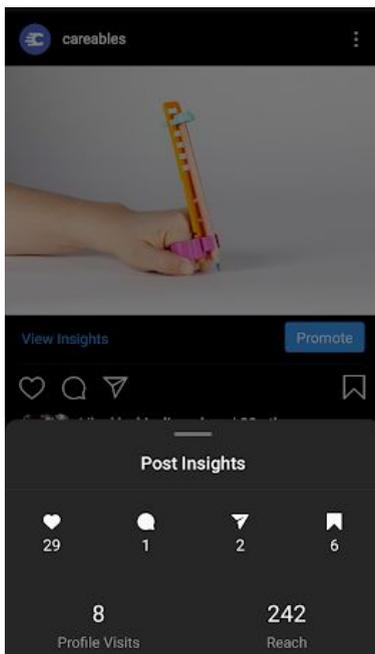
Oct 2019 - Instagram



Nov 2019 - Facebook



Dec 2019 - Instagram



Jan 2020 - Instagram



Feb 2020 - Facebook



Mar 2020 - Twitter

Top Tweet earned 5,289 impressions

Dr. Nawres Arif of Science Camp, **#Basra**, **#Iraq** demonstrates how they are making 500 masks a day in their Makerspace to keep up with the needs of those at the frontline.

#careables #designforcare #opensource #fablab #coronavirus #covid19 #coronacare #nawresarif
pic.twitter.com/Z4TGSFXC3z



Retweets: 2, Likes: 13, Hearts: 27

April 2020 - Twitter



Post Insights

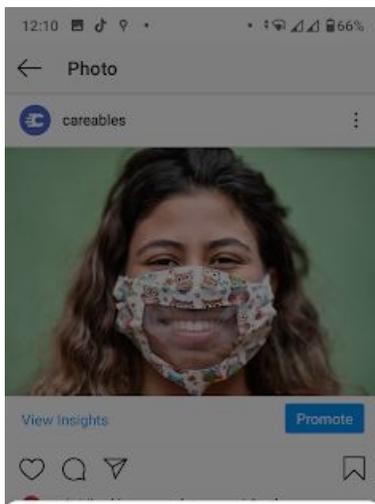
7 Likes, 1 Comments, 1 Retweets, 1 Bookmarks

2 Profile Visits, 125 Reach

May 2020 - Instagram



June 2020 - Facebook



Post Insights

10 Likes, 0 Comments, 0 Retweets, 0 Bookmarks

0 Profile Visits, 113 Reach

July 2020 - Instagram

TWEET HIGHLIGHTS

Top Tweet earned 2,366 impressions

TypeCase A 3D printed keyboard for the blind

Dougie Mann wanted to make it easier for people with disabilities to use smartphones. His end product is a 3D printed keyboard with just 5 buttons instead of 50.
@WevolverApp
wevolver.com/article/a-3d-p...

#careables #assistivetech
pic.twitter.com/fVCjzUEAfn



Aug 2020 - Twitter

Top Tweet earned 1,584 impressions

We are excited to announce our 1st month-long **#careablesexhibition** at **@republica #rpcampus!** Please come visit and share widely!
careables.org/event/first-ca...

#careables #assistivetech #opensource #3dprinting #fablab #designforcare #covid19 #covidcare
pic.twitter.com/2EqW2bKUIe

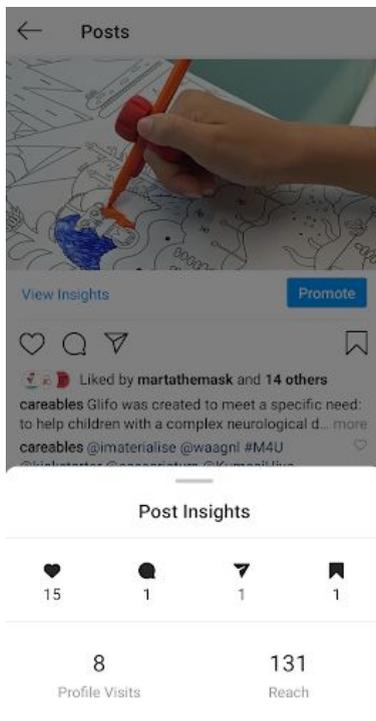


Event

First Careables Exhibition at 'Der #rpCampus im September' - Berlin

Retweets: 1, Likes: 4, Hearts: 6

Sep 2020 - Twitter



Oct 2020 - Instagram



Nov 2020 - Twitter



Dec 2020 - Instagram

3.3. Newsletters

We wanted to send out 20 newsletters during the project duration and overall sent out 36 which mainly happened due to the Local / Global strategy, in which most of the partners used their own newsletters to spread the word about the project instead of creating a completely new user base for the project.

3.4. Media

We found gaining media articles about a small distributed and quite niche/complex project harder than we would have thought. Still we gained some highlight exposures and learned a lot about how to frame the project so it attracts journalists.

- Focus on a story about one person or group within the project
- Always find connection to current events, special days (check list of "International Days")
- Organize events or campaigns to have a reason to communicate about your project (the kickstarter campaign worked very well for this)
- Create regular connection to a few relevant journalists in your field
- Hold talks at conferences to gain visibility and therefore be asked for interviews or to write a guest article
- Accept that journalists will often not mention your project but just write about the topic and use your input as research. This still supports your overall mission.

- Try out different channels for your own media: Careables consortium members created videos, podcasts, blog posts, livestream events and spread all these also through social media. This attracts blogs and social media reach which leads to specific target groups finding your initiative.

A few selected highlights¹⁷:

- Zomergasten with Marleen Stikker – VPRO (national television Netherlands). 12 August 2018.
<https://www.vpro.nl/programmas/zomergasten/kijk/afleveringen/2018/marleen-stikker.html>
- Fatti su misura per bambini con disabilità. 4 October 2018
<http://www.superando.it/2018/10/04/fatti-su-misura-per-bambini-con-disabilita/>
- The Blind Jedi - Light Up Cane. 15 October 2018.
<https://www.youtube.com/watch?v=Sw7Ua36wYYw>
- Inklusion durch Design. KIWiT. 21 October 2019
https://www.kiwit.org/kultur-oeffnet-welten/positionen/position_13184.html
- Careables – Die Zukunft medizinischer Versorgung und Pflege ist individuell. INGenie Magazin. 28 February 2020. (print only)
- Makers care! Make Magazin 3/2020
<https://www.heise.de/select/make/2020/3/1592347387566152>
- Careables: delivering personalised healthcare solutions against coronavirus. EC news. 6 May 2020.
<https://ec.europa.eu/digital-single-market/en/news/careables-delivering-personalised-healthcare-solutions-against-coronavirus>
- Careables Covid Response Videos livestreamed at re:publica TV, channel 1 and 2.
- Sanità open source. nuova ecologia. 26 August 2020.
<https://www.lanuovaecologia.it/sanita-open-source/>
- Inside Taiwan - Aerosol Box Criatura. 7 September 2020.
<https://www.inside.com.tw/article/20311-Aerosol-Box> (in Chinese)
- Digitale Graswurzeln: Makerspaces sind wichtige Plätze digitaler Innovationen. INKOTA – Südlink 194. 1 December 2020. (print only)
- Un supporto per disegnare / A drawing tool. Domus (periodico mensile). 3 December 2020. (print only)

¹⁷ The full list is attached in Annex 2.

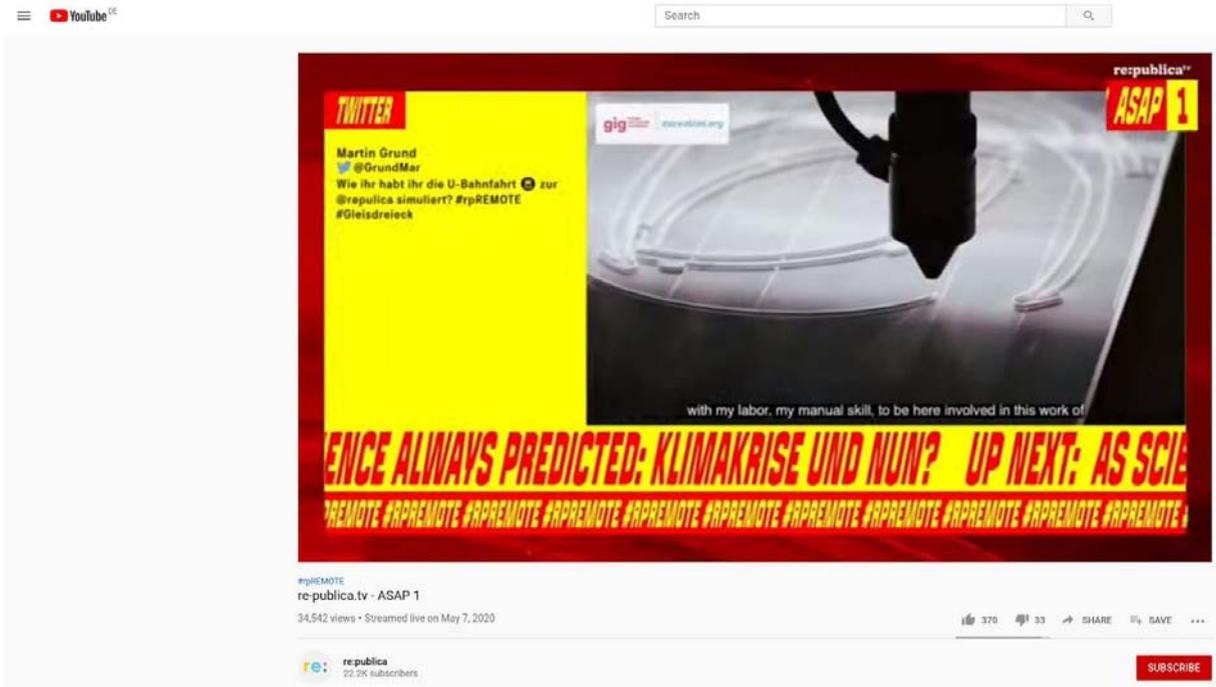


Figure 12: Screenshot of the Careables Covid Response Videos live streamed at re:publica TV, channel 1, with 34,542 views.

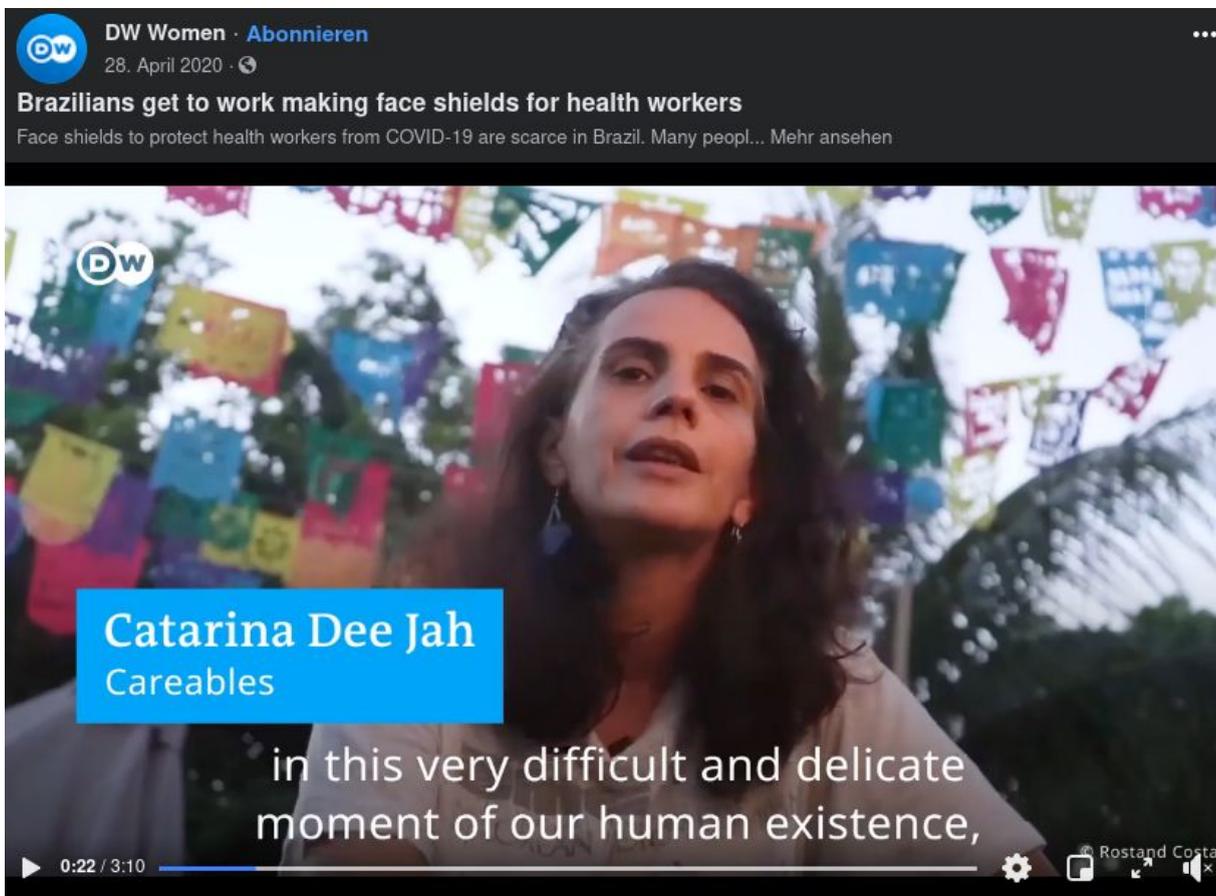


Figure 13: Screenshot of the video from Deutsche Welle about Careables in Brazil.
https://www.facebook.com/watch/?v=678119406297800&_rdc=1&_rdr

3.5. Print Products

Each partner created print products for their purposes. For dissemination we decided to create an interactive flyer that would also serve as a tool in co-design workshops. To showcase the diversity of Careables we used the moo.com printing services that allowed us to print with many different front pages.

Throughout the project duration this flyer was reproduced and updated several times. To distribute it to all partners it was ordered to be delivered to one of the consortium meetings. When printing the flyer in Kenya for DOTS 2019 we chose only to use one cover picture to minimize printing cost. Other print products we recommend and use are stickers to distribute to the maker target group and banners to use at events.

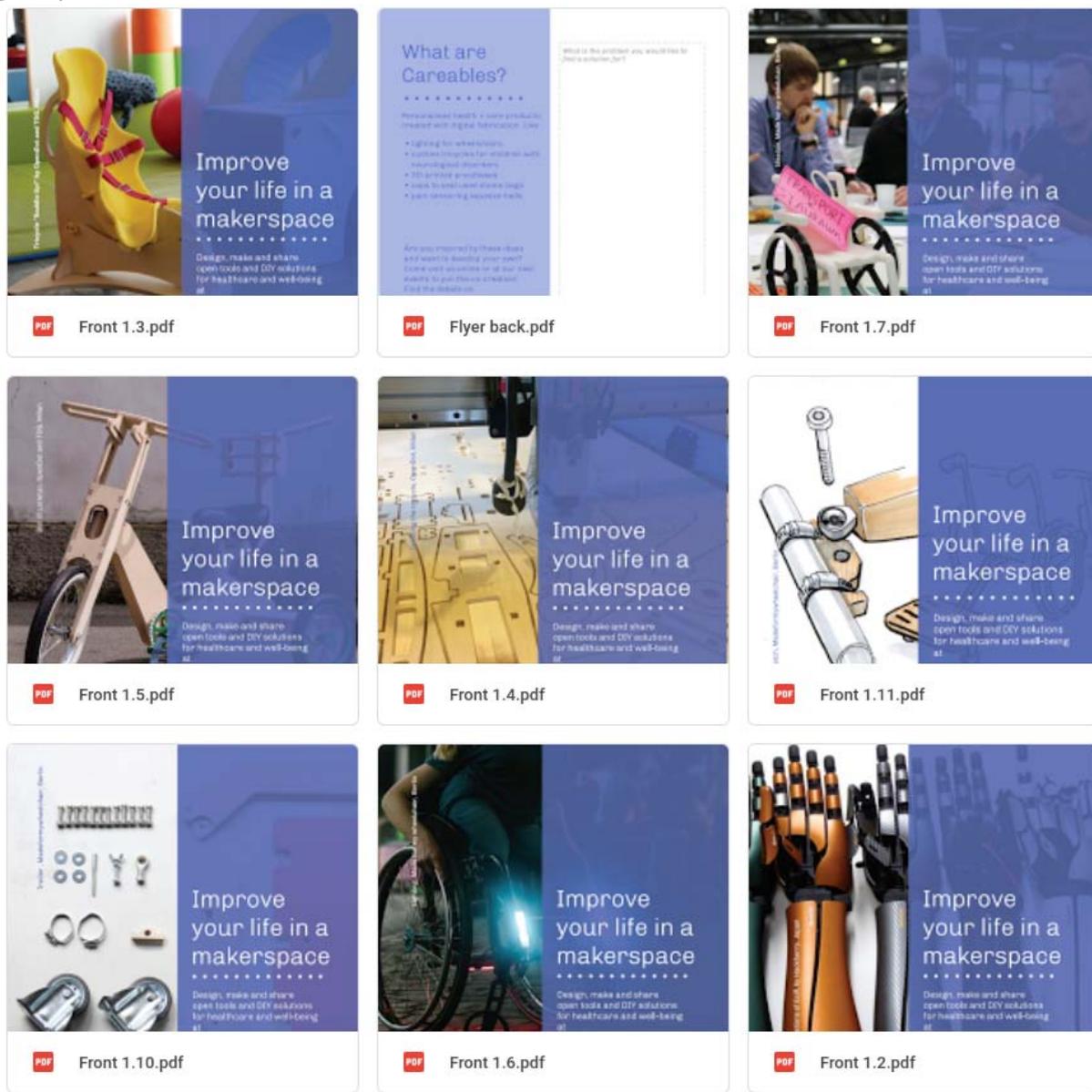


Figure 14: Careables Flyer

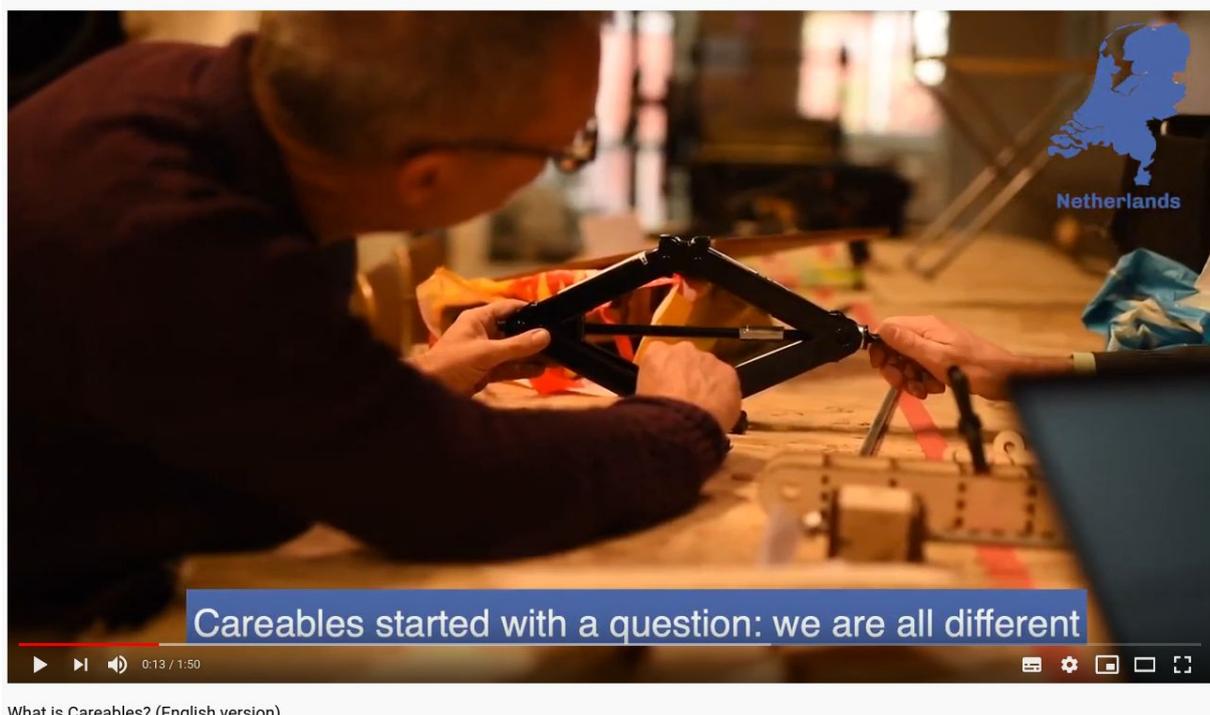
3.6. Videos

Throughout the project duration, more than 42 videos have been created. We collected them all in a youtube playlist.¹⁸ Due to the decentral structure of the project, this was more practical than to create a completely new channel for the project that would not have any followers.

Final Video

We created a final video to showcase the project, explain the Careables approach and disseminate the results. It was very challenging to shorten three years worth of material to under two minutes explainer. But we are extremely happy with the result.

We can not recommend enough to create a clear story board, work with an experienced video creator and try to make things as simple as possible. Also, we think creating the video in different languages and adding subtitles is an absolute must to reach our target groups, reduce barriers and create for modern social media distribution where people often see videos without sound.



What is Careables? (English version)

Figure 15: Screenshot Careables final video¹⁹

¹⁸ Careables Youtube playlist:

<https://www.youtube.com/playlist?list=PLUGM9odWOqO77fj11v-mXwfHEAWFM4B>

¹⁹ Please click on the screenshot to watch the final video.

How to video document your project

During the COVID-19 maker response we found it is immensely helpful to know how to create videos. Careables partner Casa Criatura, who worked a lot with short videos, created these best practices during that time:

- First, it's good to introduce the place where a situation is happening (going in, closing a door, an overview of a room etc.);
- It is great to have every step of the production, the process, the situation.
- Any chance to see how the outcome is delivered to the public? Otherwise as many pictures (photos) as possible of the public and the object.
- Every person who is giving a quote/interview must be seen in a situation, too. Working or talking to other people would be best.
- It's always good to have people in the picture, whatever you're filming. Try different angles, and sometimes try to reproduce someone's view.
- What does the place where you are working look like?
- Avoid zooming and moving around too much, but try to film from different points in order to show every interesting thing around!
- For interviews: please not too close, there must be room for subtitles; avoid "chopping" people at some points like neck or arms or head.
- Mind the audio quality. It is very important to avoid extra noise during the shoot.
- When available, use a tripod to stabilize the images. Or hold the camera with both hands to avoid shaking.
- If you shoot a person or thing from different angles, never leave 180 degrees (research more about 30 degree principle & 180 degree principle)
- And remember: you can repair too dark, but not too much light; make a good balance of contrasts between all objects and people on the scene.
- Follow the 5 shot rule (read about it in the internet)

3.7. Scientific Publications

Even though Careables is an innovation action, partners achieved 4 peer-reviewed publications about the project. This is an overview of the scientific publications (including journal publications, scientific outreach publications, and published conference proceedings) that the project has brought forward so far:

- Kieslinger, B., Schaefer, T., Fabian, C.M., Biasin, E., Bassi, E., Ruiz Freire, R., Mowoh, N., Arif, N., Melis, P. (2021). Covid-19 response from global makers: the Careables cases of global design and local production. *Frontiers in Sociology*. Forthcoming.
- Biasin, E., Kamenjasevic, E. (2020). Open Source Hardware and Healthcare Collaborative Platforms: Common Legal Challenges. *Journal of Open Hardware*, 4(1), 1-8.
- Biasin, E. (2020). Stampa 3D in sanità: Sfide e opportunità ai tempi del covid-19. *Agenda Digitale*. available at

<https://www.agendadigitale.eu/sanita/stampa-3d-in-sanita-sfide-e-opportunita-ai-tempi-del-covid-19/>;

- Biasin, E., 2020. Hardware open source in Sanità: se il paziente si fa innovatore, Agenda Digitale. available at <https://www.agendadigitale.eu/sanita/hardware-open-source-in-sanita-se-il-paziente-si-fa-innovatore/>.
- Biasin, E., Kamenjasevic, E. (2019). 'Sharing is caring': What are the main legal and ethical challenges to be looked at when co-designing DIY assistive technologies? The 15th International Conference of the Association for the Advancement of Assistive Technology in Europe (AAATE) - Global Challenges in Assistive Technology: Research, Policy & Practice, Date: 2019/08/27 - 2019/08/30, Location: Bologna, Italy.
- Wildevuur, S., Bassi, E., Kieslinger, B. (2018) CAREABLES: Co-designing Open Healthcare. In Proceedings of the 5th International Conference on Design4Health, Sheffield, UK, 4th – 6th September 2018.

3.8. Indicators

The total number of meetup subscribers	2.000	6.058
Participants in Presentations and Debates (significantly higher due to move to live streaming audience in many events in 2020)	2.500 and 1.000	24.780
Presentations	75	114
Workshops at international makerfares, re:publica	3	10
Presentation and workshop at International Fabconference (fab14, fab15, fabX)	2	7
Regular open days specifically targeted on open healthcare	100	59
Maker gatherings: Total number of involved labs and makerspaces	50	54
Development of mobile expo (2 poster sets created, reproduced 14 times; 1 online exhibition created)	1	15
People reached by newsletters, blogposts, invitations to events and calls for participation (incl. Social Media)	350.000	701.861
Total number of Social Media Posts	1.500	1.505



Total number of Social Media followers	1.500	1.567
Newsletter sent out about Careables/Made4You	20	36
Total number of articles on Careables.org	100	92
Total number of event announcements published on Careables.org	150	144

4. Adapting the Communication Strategy for the new project phase: Communication Handbook

Our Communication Strategy is mainly set out to reach the goals identified as part of Careables Mission. The Careables teams will collaborate and work together in order to continue raising community engagement, awareness, and outreach.

Adapting from the original communication strategy, D5.1, we hereby provide the communication strategy & handbook for future Careables activities.

4.1. Vision, Goals and Objectives

Careables is a platform that facilitates and shares knowledge by continuously connecting communities together. Thus, it is essential to maintain clear and open channels of communication between stakeholders, partners, and members of the community.

The vision and goals of the next Careables phase are listed on page [10f](#). Here we give a few more ideas about concrete engagement & dissemination objectives:

- Initiate the creation of more local chapters:
 - Support a collaborative ecosystem of citizens with disabilities, healthcare professionals, and makers through community engagement, events, and communication from active organisations in the region.
 - Provide access to open source and digital fabrication tools through events and open days at Makerspaces
- Foster the ecosystem through an open exchange of knowledge, e.g. by
 - maintaining the Open Hardware repository and uploading constantly new open hardware specifications for reproduction from the maker community
 - disseminating of the documentations of Careables outreach activities. e.g. Careables Moving Exhibition.

- Disseminate guidelines that allow anyone to replicate formats everywhere by considering the socio-technical aspects as well as relevant legal and regulatory frameworks, quality standards, IPR implications, security, safety, and privacy issues. These guidelines will be continuously updated with experts, Local Chapters, and partners during the next few years.

4.2. Target Groups

The main target groups for this project are users (patients), healthcare professionals, and makers. Within the target groups, we further differentiate groups with different needs and experiences. Furthermore, we follow a positive health definition where emotional and social wellbeing are considered within our scope.

- Users: people with healthcare needs, their caregivers, user groups, patient groups, people facing physical, emotional or social challenges, humanitarian support groups
- Healthcare professionals: general practitioners, doctors/specialists, therapists, nurses, humanitarian support groups
- Makers (engineering and technology-based DIY practitioners), designers, engineers, innovator, makerspaces, maker communities
- The group of donors: private corporations, foundations, NGOs, Governmental Organisations (all levels), International Governmental Organisations (e.g. WHO, UNHCR, DESA), crowdfunders

4.3. Careables Channels

- Newsletter: Email Subscription list for latest updates and news.
- Website:
 - **Events** will be published to announce relevant events to the open source healthcare and maker community.
 - **Stories:** from active community members, organisations and makerspace.
 - **Community Map** will be regularly updated to publish the location of makerspace and organisation, and members of the community.
 - **Careables Projects are published** through a direct link to Welder.app
 - **News** of the latest researches, publication, and relevant news will be published in the news section
 - **Contact form**
- Documentation on Welder.app: Members will be encouraged to upload their projects documentation material using Welder.app (next development step is to integrate welder items into careables.org)
- Social media: Facebook, Twitter, Instagram, LinkedIn, and Youtube Careables Playlist

- Community Communications:
 - chat group for Hubs + everyone creating local activities
 - Steering Circle

4.4. Content

1 – Content for Careables Community

This content will specifically target all stakeholders; healthcare workers, designers and makers, and users (patients). A specific focus will be given to include and address the needs of each group while capitalizing of the benefits of cross-collaboration

- **Educational Toolkits** on design thinking, co-creation, and 3D technologies.
- **Project documentation** and knowledge sharing of devices being created by Careables and similar initiatives
- **Educational Workshops and Maker Gatherings** for bringing groups together that work on similar projects and specialized themes.

2 – Content for outreach and the general public

This content will be dedicated to raising awareness on Careables and its values while targeting new potential makerspaces and organisations.

- **Awareness** of the topic of open and inclusive healthcare systems
- **News & events** from Careables communities and other similar projects.
- **Community:** How to find careables, how to join & benefits of joining the community

4.5. Careables Visual Identity

Careables Visual Identity of logos, fonts, and colors, should be maintained for all designs and communication channels, with the aim that Careables become a recognizable brand through a common visual identity.²⁰

Throughout the project the design evolved as we gathered feedback from target groups and iterated the website. The rather cold blue from the initial phase, often seen in healthcare related designs was replaced by a warmer violet in the redesign from October 2019.

Our Visual Identity includes open fonts that can be freely used by everybody, a logo, and colors that are easily recognizable. All products, design work and channel representation are based on this visual identity and all fonts and design material is made available to the wider Careables community.

²⁰ See Annex 5 for the full Careables Visual Identity Guide.

1 – Responsive Logo Variations





Figure 16: Responsive logo design

2 – The colors used for Careables

primary color

Pantone 2726 U

#4D68C8

secondary color

Pantone 2915 U

#4DB2EC

highlight color

Pantone Cool Gray 4 C

A6F2F7

3 – Fonts

For the typeface we searched for open fonts that are freely usable by the community, are well established, and very readable. The selected font is **Chivo**.

Generally, we aim for the design to be simple and modular. We allow and support iterations and adaptations to different needs by the involved communities, as long as logo and primary color is kept.

4 – Who can use Careables Visual Identity?

Any organisation or space that is carrying out activities online or offline and wish to include Careables visual identity can get in touch with Careables.

We approve the use if activities are related to Careables core mission of an open and inclusive healthcare system and should be in line with Careable’s vision and principles. These organisations or spaces can also become part of the Careables community map if they organize at least one Careables related event during the year, contribute stories, tools and news or publish an open hardware solution on welder.app. (A shortened version of this updated Communication Handbook will be published on the Careables.org website.)

5. Summary and Outlook

The aim of this work package was to engage stakeholder communities, bring these existing communities together and connect them in the field of open source healthcare solutions. The engagement focused on both local level as well as global engagement activities.

The partner Fab Labs and makerspaces functioned as the primary hub to connect to local communities of users with (physical) healthcare needs, carers and healthcare professionals with the community of makers. Each hub executed

a specific tailored program for their local context and created outreach activities around their program. Documentation was core to enable transferability.

The global engagement targeted the global network of Fab Labs and makerspaces with existing open healthcare communities worldwide. Through collaborative tools, the Careables.org platform and by organising maker gatherings, the communities of makers have been brought together and were supported to share experiences. Even though many activities had to be moved online during the final project year, the maker gatherings established collaboration and stimulated the knowledge exchange between the partnering labs. There was an active exchange between GIG members from all continents and the European Fab Labs which helped us to inspire each other and learn from the different cultural backgrounds and ecosystems.

Furthermore, we reached out to existing communities that have developed and delivered open healthcare solutions and established an active collaboration throughout the project. The global engagement strategy also targeted students to educate them in the process of co-design and delivery of people-centred healthcare solutions.

There is still a lot of work to be done. Our core goal remains: Improving the quality of life of people with special health needs through changing the current healthcare system to a more open and inclusive system. We made a big step towards that goal and we find the innovative power of users and care professionals, combined with Fab Labs and open hardware continues to be full of potential. In order to support innovation in healthcare, the Careables project will remain open and accessible to different organisations and individuals who undertake activities in accordance with Careables Principles and Values.

The consortium partners and community members are committed to continue the Careables work.

Annex

1. Media & Events EC reporting
2. Press and Media Outreach monitor 2018-2020
3. Event Activities monitor July 2019-December 2020
4. Monthly social media engagement report. Example from November 2020.
5. Careables Visual identity Guide, version 4, created by OpenDot in October 2020.
6. imc FH Krems Careables Design Challenge
7. imc FH Krems Report Real World Case Study
8. Sustainability Benchmarks Presentation
9. Sustainability Benchmarks Overview Spreadsheet
10. Corona Maker Care Initiatives. Collection
11. How to make an online gathering?

	Specify the number of Dissemination and Communication activities linked to the project for each of the following categories	reach/visitors	obs	
events	Organisation of a Conference	470		
events	Organisation of a Workshop	3.608		
media	Press release	2.420		
media	Non-scientific and non-peer-reviewed publication (popularised publication)	10.613		
events	Exhibition	84.880	Ddw, ...	
media	Flyer	16.350	Sticker, Flyer, Local flyers	
events	Training	427		
media	Social Media	570.006	global facebook + twitter + instagram	
media	Website	107.449	careables.org + welder.app/careables	
media	Communication Campaign (e.g. Radio, TV)	1.812		
events	Participation to a Conference	8.124		
events	Participation to a Workshop	188		
events	Participation to an Event other than a Conference or a Workshop	17.967		
media	Video/Film	323.411		
events	Brokerage Event (Fair to find Cooperation Partners)	0		
events	Pitch Event	284		
events	Trade Fair			
event + media	Participation in activities organized jointly with other EU project(s)	1.700	995	705
media	Other	20.174	newsletter	
	Total	1.169.883		
	Total media	1.052.235		
	Total events	116.653		

Estimated percentage	Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories	event	media	sum
5	Scientific Community (Higher Education, Research) – students, universities, professors, researchers	5.833	114.456	120.289
5	Industry – healthcare professional, companies	5.833	122.863	128.696
25	Civil Society – makers, designer, developers	29.163	138.887	168.050
90	General Public – visitors, curious people, etc.	104.988	1.035.477	1.140.465
5	Policy Makers – EU level, national level, municipality level	5.833	352.565	358.398
5	Media journalists, bloggers	5.833	871.118	876.951
3	Investors – kickstarters, potential funding companies	3.500	40.470	43.970
5	Customers – people with disabilities	5.833	93.462	99.295
1	Other	1.167	10.062	11.229

wolke > communic
<https://wolke1.zsi> Target Groups

Category of Publication	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter	
Communication campaign																			
communication of	ZSI contributing to SDGs with careables as example		01.12.2018	EN/DE	ZSI			x	x	x	x	x	x	x	x				
communication of	Kickstarter page	https://www.kickstarter.com/projects/pendotlab/gli	01.10.2020	EN	OD	1812	no / link provided		x	x	x		x		x				
communication of	Glifo Kickstarter Campaign	https://www.dropbox.com/sh/ais09j8plup8j/AAAsY1	01.10.2020	EN/ITA	OD				x	x	x		x		x				
communication of	Careables Christmas Calendar, whole december		01.12.2020	EN/DE	GIG		incl. in overall reach		x	x	x		x		x				
Estimation of reach total						1812													

Flyer																			
flyer	Sticker: Careables + Be a Hero	print	11.10.2018	EN	GIG	3500	yes				x	x						x	
flyer	Improve your life in a fablab (print flyer)	print	19.10.2018	EN	GIG	2500	yes	x	x	x	x	x	x	x	x			x	
flyer	Press flyer: ZSI contributing to SDGs with careables as example (print)		23.01.2019	EN	ZSI	5000				x	x	x	x						
flyer	Manifesto del codesign		01.06.2019	ITA/ENG	OD	100	to be uploaded	x			x		x						
flyer	Techno tog flyer and poster	not available / in the folder	01.10.2019	ita	TOG	250	yes	x					x						
flyer	Improve your life in a fablab (version 2 of print flyer), distributed at DOTS 2019	print	01.12.2019	EN	GIG	500	yes	x	x	x	x	x	x	x	x			x	
flyer	Improve your life in a fablab (version 2 of print flyer)	print	18.12.2019	EN	GIG	1000	yes	x	x	x	x	x	x	x	x			x	
flyer	Careables America Latina 2020 / Banner	https://lab.proocomum.org/wp-content/uploads/2020/01/2020-01-01-Careables-America-Latina-2020-Banner.pdf	01.01.2020	PT-BR	GIG						x								
flyer	Glifo	printed (by GIG)	02.09.2020	EN	OD	1000				x	x		x					x	
flyer	Improve your life in a fablab (version 3 of print flyer)	print	23.12.2020	EN	GIG	2500	yes	x	x	x	x	x	x	x	x			x	
Estimation of reach total						18380													

Websites																		
website	Careables	https://www.globalinnovationgathering.org/activities/	01.01.2018	EN	GIG					x	x		x					
website	Opentot/Made4you	http://www.opentotlab.it/portfolio-item/made4you/	01.01.2018	ITA	OD	347					x							
website	Careables – Action project	https://www.fablab.berlin/post/careables	01.01.2018	EN	Agile			x	x	x	x	x	x	x	x			
website	News: After the kickoff, Waag has drafted and shared a setup for a start-message that partners can spread through their channels. This has been published on the Waag Website.	http://waag.org/nl/blog/made4you-improving-your-life	02.02.2018	NL	Waag									x				
website	news post: CAREABLES OPEN AND INCLUSIVE HEALTHCARE	https://www.zsi.at/en/object/project/4743	16.02.2018	EN	ZSI	6000		x		x	x	x						
website	DIY healthcare prototypen maken	https://waag.org/nl/article/diy-healthcare-prototype	13.04.2018	NL	Waag				x		x							
website	Story: What happened at Innovationsforum HelpCamp	https://www.careables.org/story/hackathon-helpcamp	26.04.2018	EN	Agile	100					x							
website	GIG @ re:publica 2018	https://www.globalinnovationgathering.org/2018/05/	02.05.2018	EN	GIG					x	x		x					
website	news post: careables sharing open healthcare	https://www.zsi.at/en/object/news/4903	21.06.2018	EN	ZSI	6000		x		x	x	x						
c website	Story: Our creative health-care journey in Berlin	https://www.careables.org/story/our-creative-health-care-journey-in-berlin	27.06.2018	EN	Agile	90					x							
website	news post: sign up to the careables newsletter	https://www.zsi.at/en/object/news/4941	23.07.2018	EN	ZSI	6000		x		x	x	x						
website	Zorgoplossingen ontwikkelen bij Fablab Amsterdam	https://waag.org/nl/article/zorgoplossingen-ontwikkelen-bij-fablab-amsterdam	01.08.2018	NL	Waag				x		x							
website	Zeven zorgoplossingen voor de toekomst	https://waag.org/nl/article/zeven-zorgoplossingen-voor-de-toekomst	03.08.2018	NL	Waag				x		x							
c website	invitation to the Open Health HACKademy#1	https://www.careables.org/event/a-warm-invitation-to-the-open-health-hackademy-1	01.02.2019	EN	Agile						x							
website	Open zorgoplossingen ontwikkelen	https://waag.org/nl/article/open-zorgoplossingen-ontwikkelen	08.02.2019	NL	Waag				x		x							
website	Tog/MADE 4 YOU Consortium meeting alla Fondazione	http://together.tog.org/made-4-you-consortium-meeting	27.02.2019	ITA	TOG			x		x		x						
website	Open Health HACKademy - Open Call	https://be-able.info/de/projekte/hackademy/	2019-03-01	DE//EN	Agile						x							
website	Open Health HACKademy#1 announcement	https://machbar-potsdam.de/open-health-hackademy	06.03.2019	DE	Agile						x							
website	news post: what are careables	https://www.zsi.at/en/object/news/5252	15.05.2019	EN	ZSI	6000		x		x	x	x						
website	news post: What are careables	https://www.zsi.at/de/object/news/5252	15.05.2019	EN	ZSI	6000		x		x	x	x	x					
website	Futurkind: ontwerpen door en voor mensen	https://waag.org/nl/article/futurkind-ontwerpen-door-en-voor-mensen	17.05.2019	NL	Waag				x		x							
c website	Story: What happened at HACKademy#1	https://www.careables.org/story/opening-weekend-at-hackademy-1	03.06.2019	EN	Agile	120					x							
website	Open Health HACKademy#2 Study Program	https://hpi.de/studium/lehreveranstaltungen/it-syster	01.07.2019	DE	Agile						x							
c website	invitation to the Open Health HACKademy#2	https://www.careables.org/event/open-health-hackademy-2	01.07.2019	EN	Agile						x							
website	News: Humanitarian Design Challenge!	https://nepal.communiteers.org/humanitarian-design-challenge	08.08.2019	EN	GIG						x							
website	Blogpost HACKademy#2 by Andi Müller	https://www.hellopresence.com/detail/open-health-hackademy-2	06.10.2019	DE	Agile						x							
website	Life Sensor Makathon	https://www.globalinnovationgathering.org/dots/dots	01.11.2019	EN	GIG						x				x			
website	Samen de Marchena Lightup Cane verbeteren	https://waag.org/nl/article/samen-de-marchena-lightup-cane-verbeteren	29.11.2019	NL	Waag				x		x							
website	PillStorage Fits All	https://waag.org/nl/article/pillstorage-fits-all	11.12.2019	NL	Waag				x		x							
website	Parodie op het leven? MakeHealth en ouderenzorg	https://waag.org/nl/article/parodie-op-het-leven-makehealth-en-ouderenzorg	18.12.2019	NL	Waag				x		x							
website	News: What's Next: Outcomes from DOTS. The Impact	https://www.globalinnovationgathering.org/2019/12/	21.12.2019	EN	GIG						x	x		x				

Category of Publication	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter
website	Casa Criatura Careables Project Page	https://casacriatura.com/careables/	01.01.2020	PT-BR with	GIG	11.935			x	x	x							
website	news post: was sind careables	https://www.zsi.at/de/object/news/5457	23.01.2020	DE	ZSI	6000		x		x	x	x						
website	Careables 2020: Inovação, colaboração e tecnologia	https://lab.procomum.org/2020/01/careables-2020	31.01.2020	PT-BR	GIG		no / link provided			x	x		x					
website	Wevolver pr announcement	https://blog.wevolver.com/2018/02/02/careables-in	02.02.2020	EN	WEV	500	https://tinyurl.com/v6gmmj3				x							
website	Event report: Careables Olinda Opening Session	https://www.globalinnovationgathering.org/2020/02	10.02.2020	EN	GIG					x			x					
website	Article: UN.I.HEAL with LATRA	https://waag.org/nl/article/uniheal-latra	18.02.2020	EN	Waag				x		x	x				x		
website	Wevolver pr announcement	https://blog.wevolver.com/2020/02/18/hardware-co	18.02.2020	EN	WEV	500	https://tinyurl.com/v6dcszk3				x							
website	News: Careables Olinda Diary: Our first 15 days	https://www.globalinnovationgathering.org/2020/02	28.02.2020	EN	GIG					x	x							
website	News: Fab Lab Humanitarian Design Challenge 2020	https://nepal.communiter.org/fab-lab-humanitarian	04.03.2020	EN	GIG					x	x							1
website	Article: Working towards a worldwide MakeHealth	https://waag.org/nl/article/working-towards-worldw	26.03.2020	EN	Waag				x		x	x				x		
website	#Careables: Rede de makers inicia produção de equi	https://lab.procomum.org/2020/03/careables-rede-	30.03.2020	PT-BR	GIG		no / link provided			x	x		x					
website	Makers united against Covid-19!	www.opendotlab.it/makers-united-against-covid-19/	06.04.2020	ita	OD	326			x	x	x							
website	Makers united against Covid-19!	www.opendotlab.it/portfolio-item/opendot-against-co	06.04.2020	ita	OD	305			x	x	x							
website	news post: COVID-19 CAREABLES: MADE BY U FOR U	https://www.zsi.at/en/object/news/5532	15.04.2020	EN	ZSI	6000		x		x	x	x						
website	Article: Waag Shares: beschermingsmateriaal voor	https://waag.org/nl/article/waag-shares-beschermt	16.04.2020	NL	Waag				x		x	x				x		
website	Article: Waag Shares: maker movement in corona tin	https://waag.org/en/article/waag-shares-maker-mo	23.04.2020	EN	Waag				x		x	x				x		
website	M4Y Bulletin 7	http://www.opendotlab.it/m4y-bullettin-7-maggio-202	01.05.2020	ita	OD	23	no / link provided				x							
c website	invitation to the Open Health HACKademy#3	https://www.careables.org/event/open-health-hacka	01.05.2020	EN	Agile						x							
website	Article: Webinar: A distributed answer to a global cri	https://waag.org/nl/article/webinar-distributed-ans	14.05.2020	EN	Waag				x		x	x				x		
website	Article: Beschermingsmateriaal in de zorg: de potent	https://waag.org/nl/article/beschermingsmateriaal-	15.05.2020	NL	Waag				x		x	x				x		1
website	#Careables: Saúde, Tecnologia e Cuidados, três con	https://lab.procomum.org/2020/05/careables-serie-	26.05.2020	PT-BR	GIG		no / link provided			x	x		x					
website	Open Health HACKademy -Project Description	https://matchmymaker.de/open-health-hackademy-4	2020-06-01	DE/EN	Agile						x							
website	news: Fab Lab Humanitarian Design Challenge 2020	https://www.globalinnovationgathering.org/2020/06	02.06.2020	EN	GIG					x	x							
website	News: The first month of a maker lab against Covid-1	https://www.globalinnovationgathering.org/2020/06	02.06.2020	EN	GIG						x							
website	Open Health HACKademy#3 announcement	https://www.nachhaltigejobs.de/news/open-health-h	04.06.2020	DE	Agile						x							
website	News: Careables Casa Criatura Olinda wins Mozilla	https://www.globalinnovationgathering.org/2020/06	05.06.2020	EN	GIG			x		x				x				
website	Event announcement: Live event: How to effectively c	https://viralresponse.io/viralresponse/stories/live-	23.06.2020	EN	GIG					x	x		x					
website	Saúde e tecnologia: #Careables realiza encontro virt	https://lab.procomum.org/2020/06/saude-e-tecnolo	24.06.2020	PT-BR	GIG		no / link provided			x	x		x					
c website	Story: What happened at HACKademy#3	https://www.careables.org/story/open-health-hacka	27.06.2020	EN	Agile	80					x							
website	News: Ingenuity Can't be Locked Down! The Careable	https://nepal.communiter.org/ingenuity-cant-be-loc	01.07.2020	EN	GIG					x	x		x					
website	news post: SDG Conference participation	https://www.zsi.at/en/object/event/5616	13.07.2020	EN	ZSI	6000		x		x	x	x						
website	Article: Vier-op-een-rij voor Elinde	https://waag.org/nl/article/vier-op-een-rij-voor-elin	27.07.2020	NL	Waag				x		x	x				x		
website	M4Y Bulletin 6	http://www.opendotlab.it/m4y-bullettin-6-settembre-	01.09.2020	ita	OD	62	no / link provided				x							
website	News: Casa Criatura develops an open-source aeri	https://www.globalinnovationgathering.org/2020/09	17.09.2020	EN	GIG			x		x	x		x					
website	Bürger schaffen Wissen: Careables Online beim mitf	https://www.buergerschaffenwissen.de/careables	14.10.2020	DE	Agile			x		x	x	x	x			x		
website	news post: Kickstarter Campaign	https://www.zsi.at/en/object/news/5688	19.10.2020	EN	ZSI	6000		x		x	x	x				x		
website	News: Careables Exhibition at Nepal Communiterel	https://nepal.communiter.org/careables-exhibition-	02.12.2020	EN	GIG					x	x		x					
website	#Careables: tecnologia livre e de baixo custo para p	https://lab.procomum.org/2020/12/careables-soluc	22.12.2020	PT-BR	GIG		no / link provided			x	x		x					
website	Careables website, inkl. Stories, Events, News	https://www.careables.org/	31.12.2020	EN	OD	30463	yes	x	x	x	x	x	x	x	x			
website	Welder repository	https://www.welder.app/careables	31.12.2020	EN	WEV	8598	Reach: Jan-Oct 2(x			x						x	Makers	
Estimation of reach total						107449												

Press releases																		
press release	Announcement for Careables at re:publica	https://mailchi.mp/a13c03c90631/press-release-eu-	02.05.2018	EN	GIG	795	yes		x	x		x	x					
press release	Open Health HACKademy#1 announcement	https://docs.google.com/document/d/1cs4h4j2R027	13.03.2019	DE	Agile	200							x					
press release	Careables AT Kumasi Project to Begin at Kumasi Hiv	https://docs.google.com/document/d/1zubN7Lo5EGC	20.12.2019	EN	GIG						x							
press release	News: Careables goes Olinda	https://www.globalinnovationgathering.org/2020/02	09.02.2020	EN	GIG						x		x					
press release	News: Careables 2020: Innovation, Collaboration an	https://www.globalinnovationgathering.org/2020/02	12.02.2020	EN	GIG					x	x		x					
press release	Open Call HACKademy: Hilfsmittel für die Gesundheit	https://www.beuth-hochschule.de/9326/article/686	28.05.2020	DE	Agile			x			x		x					
press release	Taking Care of who cares	https://casacriatura.com/cuidandodemuicuida/	15.06.2020	PT-BR/EN	GIG	253					x		x					
press release	Follow the research to create an open source aerox	https://casacriatura.com/pesquisa-em-parceria-com	06.07.2020	PT-BR/EN	GIG	282		x			x		x	x				
press release	Open Health HACKademy#3 announcement	https://docs.google.com/document/d/1U6HE3OmQ2	30.07.2020	DE	Agile	200							x					
press release	Covid-19 careables: Open Source Hardware to fight	https://docs.google.com/document/d/1kExPzd4HAW	01.08.2020	EN	ZSI								x					
press release	Indigenous health is one of the focal points of the Ca	https://casacriatura.com/saude-indigena-e-um-dos-a	10.08.2020	PT-BR/EN	GIG	21					x		x	x	x			
press release	The Creature aerosol box undergoes medical team v	https://casacriatura.com/a-aerosol-box-da-criatura-	24.08.2020	PT-BR/EN	GIG	118			x		x		x	x	x			

wolke > communic
<https://wolke1.zsj> Target Groups

Category of Publication	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter
press release	Coco de Umbigada Cultural Center receives donation	https://casacriatura.com/centro-cultural-coco-de-umbigada/	27.08.2020	PT-BR/EN	GIG	75					x		x					
press release	GLIFO Kickstarter Campaign	https://www.dropbox.com/sh/ais09i9plup9ii/AAAsYf...	01.10.2020	ITA	OD								x					
press release	Gesundheit ohne Grenzen: Open Source Projekt Careables präsentiert barrierefreie Innovationen auf dem C		13.10.2020	DE	GIG	90	yes						x					
press release	GIG: Hoffnungsträger: Eröffnung der Alyanbou3-Smart Clinic in Kairo		15.10.2020	DE	GIG	90	yes		x				x					
press release	Cadus Germany Visits Olinda!	https://casacriatura.com/cadus-alemanha-visita-olinda/	27.10.2020	PT-BR/EN	GIG	118					x		x	x	x			
press release	Mobile Exhibition Careables Olinda	https://casacriatura.com/mostra-movel-careables-olinda/	27.10.2020	PT-BR/EN	GIG	78					x		x	x	x			1
press release	Es wird bunt: 3D-gedruckte Schreibhilfe GLIFO für Kindern mit Behinderung expandiert		04.11.2020	DE	GIG	90	yes						x					
press release	Themenvorschlag Tag der Behinderung		02.12.2020	DE	GIG	10	yes						x					
press release	Careables Assistive Technology (AT) Exhibition at KA	https://docs.google.com/document/d/1OeJasr8Cvt0Q...	3.12.2020	EN	GIG						x							
press release	An initiative developed by Criatura is published in an	https://casacriatura.com/viral-design-book/	23.12.2020	PT-BR/EN	GIG						x		x	x	x			
Estimation of reach total						2420												

Video/film	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter
video/film	Zomergasten with Marleen Stikker - national televis	TV	12.08.2018	NL	Waag	244000					x	x	x					
video/film	Marleen Stikker in Zomergasten (Waag director spe	https://www.vpro.nl/programmas/zomergasten/kijk...	12.08.2018	NL	Waag				x		x							
video/film	MakeHealth: prototyping	https://vimeo.com/285311073	16.08.2018	EN/NL	Waag	315			x	x	x	x	x					
video/film	The Blind Jedi - Light Up Cane	https://www.youtube.com/watch?v=Sw7Ua38wYYw	15.10.2018	EN	Waag	4061	no / link provided				x				x			
video/film	Careables: Open Source Hardware in Health+Care	https://www.youtube.com/watch?v=6R9EG-0ft0	08.01.2019	EN	GIG	86	no / link provided		x		x			x				
video/film	MakeHealth: prototyping II	https://vimeo.com/314051832	29.01.2019	EN/NL	Waag	345			x	x	x	x	x					
video/film	Il co-design per la salute e la cura	https://www.youtube.com/watch?v=ivib8SMxUN4	05.04.2019	ITA/ENG	OD	278	N/A	x			x				x			
video/film	*Who owns the robots? Why open hardware matters	https://www.youtube.com/watch?v=MCLXfGp9btE	14.09.2019	EN	GIG	238	no / link provided		x	x	x	x	x					
video/film	Capra Stick	https://www.youtube.com/watch?v=0HcamjsDL2U	31.10.2019	DE/EN	Agile	57	no / link provided				x					x	makers	
video/film	Helpers Help	https://www.youtube.com/watch?v=Vkh1mV0cCkc	01.11.2019	DE/EN	Agile	92	no / link provided				x					x	makers	
video/film	Interpreter Owl	https://www.youtube.com/watch?v=4HPiPCW4K4	01.11.2019	DE/EN	Agile	23	no / link provided				x					x	makers	
video/film	Videoserie: 25 jaar impact (video on MakeHealth)	https://waag.org/nl/article/videoserie-25-jaar-impac	06.11.2019	NL	Waag				x		x							
video/film	Open Health Hackadey 2019	https://www.youtube.com/watch?v=u4ULkaobmG0	23.12.2019	DE/EN	Agile	842	no / link provided		x	x	x		x	x	x	x		makers
video/film	Event video recording: Design in Times of Corona: M	https://www.youtube.com/watch?v=54hgQON1C4efe	20.04.2020	EN	Waag	154												
video/film	We will scoot!	https://www.youtube.com/watch?v=1-8oyA8v7_s	28.04.2020	DE	Agile	65	no / link provided		x		x		x	x				
video/film	Brazilians get to work making face shields for heal	https://www.facebook.com/watch/?v=67811940629	28.04.2020	EN	GIG	3500	yes											
video/film	Caring the ones who care #1	https://www.youtube.com/watch?v=UqRx5A8QKWM	29.04.2020	PT-BR/EN	GIG	43	no / link provided		x	x			x	x	x			
video/film	Careables Covid Response Videos livestreamed at re:publica TV, channel 1		07.05.2020	DE	GIG	34542	yes				x		x					
video/film	Careables Covid Response Videos livestreamed at re:publica TV, channel 2		07.05.2020	DE	GIG	16419	yes				x		x					
EU video/film	Careables Panel with Paulien Melis livestreamed at re:publica TV, channel 2		07.05.2020	DE	GIG	16419	yes				x		x					
video/film	HACKadey Voices (Snippets for Social Media)	https://youtu.be/ZRi-JHtnMi4	28.05.2020	DE	Agile	38	no / link provided		x	x	x		x	x				
video/film	Health, Care and Technology: an ancestral relations	https://www.youtube.com/watch?v=Rf_XMcZ5tzM	29.05.2020	PT-BR/SP	GIG	282	no / link provided				x							
video/film	Health, Care and Technology: an ancestral relations	https://www.youtube.com/watch?v=Chmy6n_GWEs	05.06.2020	PT-BR/SP	GIG	123	no / link provided				x					x		
video/film	Health, Care and Technology: an ancestral relations	https://www.youtube.com/watch?v=iv-3bWFRBZ4	12.06.2020	PT-BR/SP	GIG	111	no / link provided				x							
video/film	Suburban response to Covid 19 #Careables#Mboale	https://www.youtube.com/watch?v=7dhywa19_g	16.06.2020	EN	GIG	18	no / link provided		x	x	x		x		x	x	makers	
video/film	Caring the ones who care #2	https://www.youtube.com/watch?v=aZWI_GoFD6k	17.06.2020	PT-BR/EN	GIG	14	no / link provided				x		x		x			
video/film	From prototype to production - (Slightly) Modify you	https://www.youtube.com/watch?v=H4WMS1zW18U8	01.07.2020	EN	OD	95	no / link provided		x							x	makers	
video/film	How to make a Black Lives Matter Turbant	https://www.youtube.com/watch?v=sm_CP0oq7gPs	06.07.2020	PT-BR/EN	GIG	36	no / link provided				x	x						
video/film	How to make the Fu Face Mask	https://www.youtube.com/watch?v=KSc1Sb5s-t4	09.07.2020	No voices	GIG	23	no / link provided				x		X		X			
video/film	Careables and Welder - How to embed a repository	https://www.youtube.com/watch?v=GcqvGSNA8w1st	27.07.2020	EN	OD	29	no / link provided		x	x					x	x	makers	
video/film	Careables AT Kumasi training	https://drive.google.com/file/d/1D41P_2N5dbx4_SET0heeX-13-m6lqz2/view?usp=sharing	27.7.2020	EN	GIG						x		x					
video/film	How to use your Black Lives Matter Turbant	https://www.youtube.com/watch?v=CxPk8BUkoZ8	31.07.2020	No voices	GIG	23	no / link provided				x				x	makers		
video/film	How to lace your Black Lives Matter Turbant	https://www.youtube.com/watch?v=9-LNAXcVf5w	31.07.2020	No voices	GIG	9	no / link provided				x				x	makers		
video/film	Careables Olinda MOSS Challenge Mozilla	https://www.youtube.com/watch?v=hSSgnj6U1NQ	31.07.2020	PT-BR/EN	GIG	113	no / link provided		x	x								
video/film	Fab Care Manifesto	https://www.youtube.com/watch?v=eXRDHxxirD0	03.08.2020	EN	OD	40	no / link provided				x				x			
video/film	Using the Open Know-How Standard for evaluating C	https://www.youtube.com/watch?v=5JImCW71Ks	09.08.2020	EN	GIG	29	no / link provided				x					x		
video/film	Slide and Shop	https://www.youtube.com/watch?v=uvKnU1NuUV4	11.08.2020	DE/EN	Agile	48	no / link provided				x		x					
video/film	Kaepsele	https://www.youtube.com/watch?v=IC8h3xXC_MM	26.08.2020	DE/EN	Agile	42	no / link provided				x					x	makers	
video/film	Vorleser	https://www.youtube.com/watch?v=S7VHJESee90	27.08.2020	DE/EN	Agile	7	no / link provided				x							
video/film	Bagslide	https://www.youtube.com/watch?v=70A7UUGlXc9t	28.08.2020	DE/EN	Agile	9	no / link provided				x					x	makers	

wolke > communic
<https://wolke1.zsj> Target Groups

Category of Publication	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter
video/film	Glifo / Kickstarter campaign	https://www.youtube.com/watch?v=Ws0sH_66NME	01.09.2020	EN	OD	314	no / link provided			x	x	x	x		x			
video/film	Cadus Debate 16: Olinda, Brazil: making in times of C	https://media.ccc.de/v/cadusdebate-16-making-in-tim	03.09.2020	EN	GIG	125	no / link provided	x		x	x		x	x				
video/film	Careables Olinda MOSS Challenge Mozilla	https://www.youtube.com/watch?v=wkSpJ-5PZnI	24.09.2020	PT-BR/EN	GIG	33	no / link provided			x	x					x	makers	
video/film	What is Careables?	https://www.youtube.com/watch?v=bTKQVlCGeNI	13.10.2020	EN	Agile	98	no / link provided				x		x	x	x			
video/film	Glifo Custom made writing aid	https://www.youtube.com/watch?v=X4Fjn-aLDkg	11.11.2020	EN	OD	4	no / link provided		x				x	x	x			
video/film	Careables AT Kumasi Exhibition	https://drive.google.com/file/d/1IDH9qz3CyAcEvOzPzy07s-KF5KMh11JY/view?usp=sharing	25.11.2020	EN	GIG						x		x					
video/film	Careables Maker Gathering Brazil 2020 Livestream	https://www.youtube.com/watch?v=6-zaNheFn_I	26.11.2020	PT-BR	GIG	64	no / link provided				x							
video/film	DOTS Day 2, incl. Careables Maker Gathering, Livest	https://www.youtube.com/watch?v=UveVdV7qWM8	11.12.2020	EN	GIG	196	no / link provided		x									
video/film	After Teaser HACKademy#3	https://www.youtube.com/watch?v=p0HHuktdJsg	04.01.2021	DE	Agile	9	no / link provided				x							
Estimation of reach total						323411												

Non-scientific																		
non-scientific put	Made4you, coprogettare e condividere progetti di De	https://www.progettocrew.it/codesign/made4you	21.04.2018	ITA	OD					x	x							
non-scientific put	GIG and republica 2018	http://mutabit.com/offray/blog/es/entry/gig-2018	19.05.2018	EN	GIG					x	x							
non-scientific put	Design Center Baden-Württemberg: Cross-culture F	https://design-center.de/de/img/original/CrossCultu	01.06.2018	DE	GIG			x			x	x						
non-scientific put	Careables Case Study	https://digitalsocial.eu/case-study/46/careables	01.06.2018	EN				x		x	x	x	x					
non-scientific put	Fatti su misura per bambini con disabilità - Superan	https://www.superando.it/2018/10/04/fatti-su-misur	04.10.2018	ITA	OD			x		x	x				x			
non-scientific put	NU.nl (Dutch news website) interview with Sabine W	https://www.nu.nl/dutch-design-week/5532137/zoop	25.10.2018	NL	Waag				x		x							
non-scientific put	GIG@35C3. Hacking Diversity at a Hacker Congress.	https://www.globalinnovationgathering.org/2019/01	14.01.2019	EN	GIG					x	x					x	makers	
non-scientific put	GIG @ re:publica Accra 2018	https://www.globalinnovationgathering.org/2019/01	23.01.2019	EN	GIG					x	x				x	makers		
non-scientific put	Il progetto EU "Made4you" - Fondazione Mariani	http://fondazione-mariani.org/it/newsletter-44-apr-2	01.04.2019	ITA	TOG			x		x								1
non-scientific put	GIG @ Communities & Technologies	https://www.globalinnovationgathering.org/2019/07	10.07.2019	EN	GIG			x		x	x							
non-scientific put	Inklusion durch Design - KIWI HKW	https://www.kiwi.org/kultur-oeffnet-waiten/position	21.10.2019	DE	Agile	1000					x							
non-scientific put	Adapting open source methods to products	https://medium.com/open-culture-journal/adapting-c	24.10.2019	EN	GIG				x	x						x	makers	
non-scientific put	How can maker spaces boost sustainability and help	https://wellbeingeconomy.org/how-can-maker-space	24.01.2020	EN	GIG					x	x							
non-scientific put	Olinda hosts Latin American Meeting on Technology	https://tapioca.ird.fr/olinda-hosts-latin-american-me	04.02.2020	PT-BR	GIG	100		x			x							
non-scientific put	Annoucement of Careables Olinda on the media	https://www.leiaja.com/tecnologia/2020/02/05/olin	05.02.2020	PT-BR	GIG	3000					x							
non-scientific put	INGenie Magazin: Careables – Die Zukunft medizinis	print	28.02.2020	DE	GIG		yes		x		x							
press release	Makers Care! Article on Careables by Elke Schiock (p)	https://www.heise.de/select/make/2020/3/1592347	01.03.2020	DE	Agile	3600					x							
non-scientific put	Careables Olinda agains covid	https://www.folhapa.com.br/economia/empresa-dese	25.03.2020	pt-br	GIG			x		x			x					
non-scientific put	Hardware open source in Sanità: se il paziente si fa	https://www.agendadigitale.eu/sanita/hardware-ope	02.04.2020	ITA	KUL			x		x	x	x	x		x			
non-scientific put	Covid-19: Italian makers take action	http://medialab.makery.info/en/covid-19-italian-make	01.05.2020	eng/fr	OD		no / link provided				x				x			
non-scientific put	A Fab Lab for sharing, for prototyping, for learning a	https://medium.com/@dotdotdot_it/a-fab-lab-for-sha	01.05.2020	eng	OD	113	yes				x							
non-scientific put	EC press release: Careables: delivering personalised	https://ec.europa.eu/digital-single-market/en/news/	06.05.2020	EN	ZSI						x			x				
non-scientific put	News: Creativity in time of crisis- Digital manufact	https://nepal.communiteer.org/creativity-in-time-of-c	07.05.2020	EN	GIG									x				
non-scientific put	Viral Response Roundtable 3: Building open hardwar	https://viralresponse.io/+viralresponse/stories/viral	26.05.2020	EN	ZSI			x			x			x				
non-scientific put	Article on Open Health HACKademy	https://www.heise.de/news/OpenHealthHACKademy-	29.05.2020	DE	Agile	800					x							
non-scientific put	Mozilla picks recipients for its COVID-19 Solutions F	https://www.neowin.net/news/mozilla-picks-recipient	09.06.2020	EN	GIG													
non-scientific put	Article: FROLIC Studio: COVID-19 decontamination k	https://www.careables.org/story/frolic-studio-covid-	09.06.2020	EN	Waag				x		x			x	x			
non-scientific put	Viral Response Roundtable 4: How to audit and gain	https://viralresponse.io/+viralresponse/stories/viral	10.06.2020	ita	KUL				x				x					
non-scientific put	Viral Response Roundtable 6: How to effectively coor	https://viralresponse.io/+viralresponse/stories/viral	30.06.2020	EN	GIG				x				x					
press release	Republishing Makers Care! Article on Careables by E	https://www.heise.de/hintergrund/Makers-care-Vie	06.08.2020	DE	Agile	2000					x			x				
non-scientific put	From Wearables to Careables: Closing Loop in Conne	https://www.printedelectronicsnow.com/contents/vie	24.08.2020	EN	GIG			x		x				x				
non-scientific put	Casa Criatura doa equipamentos de proteção à Covi	https://www.diariodepernambuco.com.br/noticia/eco	26.08.2020	PT-BR	GIG				x		x	x	x	x	x			
non-scientific put	Sanità open source	https://www.lanuovaecologia.it/sanita-open-source/	26.08.2020	ita	OD		no / link provided				x							
non-scientific put	Inside Taiwan - Aerosol Box Criatura	https://www.inside.com.tw/article/20311-Aerosol-Bc	07.08.2020	Chinese	GIG						x			x				
non-scientific put	OpenDot stellt neue Version seines 3D-gedruckten S	https://www.3d-grenzenlos.de/magazin/3d-objekte/s	30.10.2020	DE	GIG				x				x		x			
non-scientific put	Kickstarter Campaign Brings 3D Printed Writing Aid	https://3dprint.com/274834/kickstarter-campaign-by	03.11.2020	EN	GIG				x				x	x	x			
non-scientific put	The Community of Change Makers – Interview with	https://famaleonezero.com/people/the-community-of	06.11.2020	EN	GIG				x	x	x		x					
non-scientific put	Un supporto per disegnare	Domus / Press article	01.12.2020	ITA / ENG	OD		yes											
non-scientific put	INKOTA – Südlin 194– Digitale Graswurzeln	https://www.inkota.de/aktuell/news/vom/01/dez/20	01.12.2020	DE	GIG						x	x	x	x				
Estimation of reach total						10613												

Social media																		
social media	Announcement Made4You on Facebook	https://www.facebook.com/waagscommunity/posts/2043	05.02.2018	NL	Waag						x							

wolke > communic
<https://wolke1.zsj> Target Groups

Category of Publication	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter
social media	MakeHealth DIY for Careables on Instagram	https://www.instagram.com/p/BjMm_E-ncii/	04.06.2018	NL	Waag						x							
social media	Co-creation with Care (Facebook)	https://www.facebook.com/waagsociety/posts/2219	26.06.2018	NL	Waag						x							
social media	MakeHealth prototyping on Facebook	https://www.facebook.com/waagsociety/posts/2283	02.08.2018	NL	Waag						x							
social media	MakeHealth prototyping video on Instagram	https://www.instagram.com/p/BmsYmgDnfan/	20.08.2018	NL	Waag						x							
social media	MakeHealth prototyping video on Instagram	https://www.instagram.com/p/B7bdsdyoD7P/	11.02.2019	NL	Waag						x							
social media	Consortium meeting in Milan	https://twitter.com/bkieslinger/status/11000464881	25.02.2019	EN	ZSI	2391		x		x	x	x						
social media	careables at republica	https://twitter.com/bkieslinger/status/11253365217	05.06.2019	EN	ZSI	3842		x		x	x	x						
social media	testing instruction for careables	https://twitter.com/bkieslinger/status/11253667579	05.06.2019	EN	ZSI	829		x		x	x	x						
social media	Announcement of a Careables.org dissemination act	https://twitter.com/bisilisib/status/1167340529413	30.08.2019	EN	KUL	200	N/A	x		x	x	x						
social media	Announcement of a Careables.org dissemination act	https://twitter.com/bisilisib/status/1148539318945	07.09.2019	EN	KUL	200	N/A	x		x	x	x						
social media	FB / New website online	post facebook / screenshot available in the wolke / 15	01.10.2019	ita	TOG	3063					x		x					
social media	wearGIG instagra.: Careables Launch	https://www.instagram.com/p/B3pOvFRJ90/	15.10.2019	EN	GIG	15	no / link provided				x							
social media	wearGIG twitter: Careables Launch "Yeah, it's happ	twitter	15.10.2019	EN	GIG	2020	yes				x							
social media	GIG - Instagram	https://www.instagram.com/p/B3pOvFRJ90/	15.10.2019	EN	GIG													
social media	Careables.org launch/facebook	Tog/facebook	15.10.2019	ITA	TOG	2988	screenshot available				x				x			
social media	Improving Marchena Lightup Cane (Instagram)	https://www.instagram.com/p/B40C9qEILmE/	13.11.2019	NL	Waag						x							
social media	MakeHealth video on Instagram	https://www.instagram.com/p/B5SZ-Tbld8h/	25.11.2019	NL	Waag						x							
social media	Announcement of a Careables.org dissemination act	https://twitter.com/e_kamenjasevic/status/1127491	05.12.2019	EN	KUL	180		x		x	x	x						
social media	Announcement of M4Y presence at the Zagreb Make	https://twitter.com/e_kamenjasevic/status/1182929	10.12.2019	EN	KUL	180		x		x	x	x						
social media	Wevolver social media IG	https://www.instagram.com/p/B8twikDVJg/	18.02.2020	EN	WEV	34096	https://tinyurl.com/v3qa7vmv				x							
social media	Wevolver social media twitter		20.02.2020	EN	WEV	2171	https://tinyurl.com/vyqzbnl				x							
social media	Open call for needs	post ig / screenshot available in the wolke	01.03.2020	ita	TOG	612	yes				x		x		x			
social media	Careables AT Kumasi In-person Training	https://twitter.com/KumasiHive/status/1236318952	07.03.2020	EN	GIG	1631					x							
social media	Tweet: Worldwide MakeHealth community event	https://twitter.com/waag/status/123704242840793	09.03.2020	EN	Waag	2992		x			x		x					
social media	LinkedIn post on MakeHealth community event	https://www.linkedin.com/feed/update/urn:li:activity	10.03.2020	NL/EN	Waag	1183		x			x		x					
social media	Tweet: Maker initiatives in corona times event	https://twitter.com/waag/status/124384075579947	28.03.2020	NL	Waag	2581		x			x		x					
social media	Tweet: CTA FabLab Amsterdam	(tweet links to https://waag.org/nl/article/lets-start)	29.03.2020	EN	Waag	4002		x			x		x					
social media	Tweet: Maker initiatives in corona times event	https://twitter.com/waag/status/124461192503771	30.03.2020	NL	Waag	10.014		x			x		x					
social media	LinkedIn post on maker movement in corona times	https://www.linkedin.com/feed/update/urn:li:activity	01.04.2020	NL	Waag	802		x			x		x					
social media	Facebook post: careables COVID-19 response	https://www.facebook.com/ZSInnovation/posts/1824	01.04.2020	EN	ZSI	160			x		x	x						
social media	Facebook post on maker movement in corona times	https://www.facebook.com/waagsociety/photos/a.16	06.04.2020	NL	Waag	1.185		x			x		x					
social media	LinkedIn post Snorkel Mask 4 Life	https://www.linkedin.com/feed/update/urn:li:activity	06.04.2020	NL	Waag	1384		x			x		x					
social media	Tweet: Maker initiatives in corona times second mee	https://twitter.com/waag/status/124710390787837	06.04.2020	NL	Waag	4.258		x			x		x					
social media	Dr. Nawres Arif of Science Camp, #Basra, #Iraq der	https://www.facebook.com/innovationgathering/post	06.04.2020	EN	GIG	248					x		x					
social media	Tweet: Waag at Pakhuis de Zwijger for maker movem	https://twitter.com/waag/status/125004160732958	14.04.2020	NL	Waag	2.050		x			x		x					
social media	Tweet: Call for Snorkel Mask 4 Life	https://twitter.com/waag/status/125039749190166	15.04.2020	NL	Waag	2.794		x			x		x					
social media	Facebook post: call for Snorkel Mask 4 Life	https://www.facebook.com/waagsociety/photos/a.16	16.04.2020	NL	Waag	2.656		x			x		x					
social media	Instagram post on protective material for healthcare	https://www.instagram.com/p/B_UYi3xFbMo/?utm_	23.04.2020	NL	Waag			x			x	x	x		x			
social media	Facebook post: maker movement in corona times	https://www.facebook.com/waagsociety/photos/a.16	26.04.2020	NL/EN	Waag	713		x			x		x					
social media	Tweet: Call for Snorkel Mask 4 Life	https://twitter.com/waag/status/125698111133850	03.05.2020	NL	Waag	2.620		x			x		x					
social media	GIG - Twitter - So excited ...	https://twitter.com/wearGIG/status/125762784230	05.05.2020	EN	GIG	2147	yes											
social media	FB / Platform update	not available / in the folder / 35 interactions	07.05.2020		OD	409			x		x		x					
social media	Tweet: Paulien live on YouTube to talk about Careabl	(tweet links to https://www.youtube.com/watch?v=8v)	07.05.2020	EN	Waag	2.004		x			x		x					
social media	Facebook post: link to EC report on Careables COVID	https://www.facebook.com/ZSInnovation/posts/1974	09.05.2020	EN	ZSI	187			x		x	x						
social media	Tweet: Careables put forward by EC	(tweet links to https://ec.europa.eu/digital-single-mar)	12.05.2020	EN	Waag	4.267		x			x		x					
social media	Open Call HACKademy#3	https://www.facebook.com/design.empowerment/pos	12.05.2020	DE	Agile	130					x							
social media	Careables AT Kumasi Online Training	https://twitter.com/KumasiHive/status/1265331383	26.05.2020	EN	GIG	1568					x							
social media	Tweet documenting Careables Welder	https://twitter.com/waag/status/126626930092860	29.05.2020	EN	Waag	1.592		x			x		x					
social media	Video: E-Scouter-Teams berichtet über die Projekte	https://www.facebook.com/MatchMyMaker/posts/3/	31.05.2020	DE	Agile	189					x							
social media	Facebook post on Welder/documenting Careables p	https://www.facebook.com/waagsociety/photos/a.16	01.06.2020	NL/EN	Waag	520		x			x		x					
social media	Careables Brazil Call for Projects Covid-19	https://www.facebook.com/innovationgathering/post	07.06.2020	EN	GIG	1388					x		x					
social media	Open Health HACKademy#3 Kick Off	https://www.facebook.com/design.empowerment/pos	09.06.2020	DE	Agile	155					x							
social media	Instagram post on face masks and accessibility eve	https://www.instagram.com/p/CBlbYh-HBPJ/?utm_	18.06.2020	NL	Waag			x					x					
social media	Facebook post on face mask event	https://www.facebook.com/waagsociety/photos/a.16	18.06.2020	NL/EN	Waag	854		x			x		x					
social media	LinkedIn post face mask event	https://www.linkedin.com/feed/update/urn:li:activity	18.06.2020	NL	Waag	970		x			x		x					
social media	Tweet facemask event	https://twitter.com/waag/status/127365094123816	18.06.2020	NL	Waag	1.642		x			x		x					

wolke > communic
<https://wolke1.zsj> Target Groups

Category of Publication	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter	
social media	Casa Criatura at Health and Technology procomum	https://twitter.com/casacriatura/status/127371615	18.06.2020	PT-BR	GIG	62					x		x						
social media	Tweet facemask event	https://twitter.com/waag/status/127464801138952	21.06.2020	NL	Waag	2.544		x			x		x						
social media	Tweet facemask event	https://twitter.com/waag/status/127510049190782	22.06.2020	NL	Waag	3.559		x			x		x						
social media	Join our careables maker gathering	https://www.facebook.com/innovationgathering/post	22.06.2020	EN	GIG	408					x		x						
social media	Save the Date for our Viral Response to #Covid19 R	https://www.facebook.com/innovationgathering/post	23.06.2020	EN	GIG	1382					x		x						
social media	Make your Fu Face Tutorial	https://www.instagram.com/tv/CCboqUfpCFY/?utm_	09.07.2020	PT-BR	GIG	202					x		x						
social media	first-ever Humanitarian Design Challenge (HDC) in N	https://www.facebook.com/innovationgathering/post	15.07.2020	EN	GIG	116					x		x						
social media	Open Health HACKademy #3 Final	https://www.facebook.com/design.empowerment/pos	08.08.2020	DE	Agile	279					x								
social media	PPE Donation to indigenous Health Authorities	https://www.instagram.com/p/CDI510mnUK2/	10.08.2020	PT-BR	GIG	91					x		x						
social media	Careables Casa Criatura Mozilla Challenge	https://www.instagram.com/p/CDwiBhmHcF4/	11.08.2020	PT-BR	GIG	311					x		x						
social media	First 1000 PPEs Produced!	https://www.linkedin.com/feed/update/urn:li:activity	30.08.2020	PT-BR	GIG	18					x		x						
social media	Careables Casa Criatura on National Brazil TV!	https://www.facebook.com/casacriatura/posts/9446	01.09.2020	PT-BR	GIG	478					x		x						
social media	Careables Casa Criatura won the Mozilla Challenge	https://www.facebook.com/casacriatura/posts/9466	04.09.2020	PT-BR	GIG	47					x		x						
social media	Moving Exhibition _ at Republica	https://www.facebook.com/design.empowerment/pos	14.09.2020	DE	Agile	198					x								
social media	Black Lives Matter Turbant	https://www.linkedin.com/feed/update/urn:li:activity	21.09.2020	PT-BR	GIG	36					x		x						
social media	Kickstarter campaign / launch	post ig / screenshot available in the wolke	01.10.2020	ita	TOG	707	yes				x		x	x	x				
social media	Careables AT Kumasi Online challenge	https://twitter.com/KumasiHive/status/1314559475	09.10.2020	EN	GIG	6783					x								
social media	Careables Casa Criatura donateto hospitals on the c	https://www.linkedin.com/feed/update/urn:li:activity	12.10.2020	PT-BR	GIG	21					x		x						
social media	FB / Kickstarter	not available / in the folder / 1893 interactions	19.10.2020	OD		32.753					x		x		x				
social media	Facebook post: Careables Kickstarter Campaign	https://www.facebook.com/ZSInnovation/posts/2189	19.10.2020	EN	ZSI	183				x	x	x							
social media	Wevolver social media twitter		20.10.2020	EN	WEV	1098	https://tinyurl.com/y2mzh92u				x								
social media	Careables Casa Criatura is on the media!	https://www.linkedin.com/feed/update/urn:li:activity	21.10.2020	PT-BR	GIG	174					x		x						
social media	Wevolver social media facebook		21.10.2020	EN	WEV	930	https://tinyurl.com/yvjqix3w				x								
social media	Tweet Glifo Kickstarter	https://twitter.com/waag/status/132028018489317	25.10.2020	EN	Waag	2652		x					x						
social media	Kickstarter campaign / just funded	post facebook / screenshot available in the wolke / 23	01.11.2020	ita	TOG	426	yes				x		x	x	x				
social media	Glifo Crowdfunding	https://www.facebook.com/design.empowerment/pos	02.11.2020	DE	Agile	418					x								
social media	Wevolver social media linkedin		02.11.2020	EN	WEV	1234	https://tinyurl.com/y6gko7fc												
social media	Wevolver social media facebook		02.11.2020	EN	WEV	1198	https://tinyurl.com/y2888fvs				x								
social media	Glifo Crowdfunding	https://www.facebook.com/design.empowerment/pos	04.11.2020	DE	Agile	261					x								
social media	GIG - Twitter	https://twitter.com/waareGIG/status/132662376032	11.11.2020	EN	GIG	1357													
social media	Engineering Good: Careables exhibition Singapore, s	https://www.facebook.com/events/77454080661044	21.11.2020	EN	GIG				x	x									
social media	Africa Makerspace Gathering: Freda	twitter	27.11.2020	EN	GIG	686	yes		x	x			x						
social media	Africa Makerspace Gathering: Freda	instagram	27.11.2020	EN	GIG		yes		x	x			x						
social media	Africa Makerspace Gathering: Freda	facebook	27.11.2020	EN	GIG	62	yes		x	x			x						
social media	Careables Exhibition	https://twitter.com/KumasiHive/status/1333832615	01.12.2020	EN	GIG	119	yes				x		x						
social media	LinkedIn: Careables Tag der Behinderung	https://www.linkedin.com/feed/update/urn:li:activity	03.12.2020	DE	GIG		yes		x	x			x	x					
social media	Casa Criatura in Berlin!	https://www.instagram.com/p/CIYH3Syr2Ww/	04.12.2020	PT-BR	GIG	102					x		x						
social media	GIG - Twitter	https://twitter.com/waareGIG/status/133736629398	11.12.2020	EN	GIG	672													
social media	GIG - Instagram - stories	https://www.instagram.com/stories/highlights/1788	25.12.2020	EN	GIG														
social media	Casa Criatura Retrospective 2020	https://www.facebook.com/casacriatura/posts/1034	27.12.2020	PT-BR	GIG	112					x		x						
social media	Careables twitter	twitter.com/careablesorg	31.12.2020	EN	GIG	333614					x		x						
social media	Careables instagram	instagram.com/careables	31.12.2020	EN	GIG	26092					x		x						
social media	Careables facebook	https://www.facebook.com/CareablesOrg	31.12.2020	EN	GIG	35833					x		x						
social media	Careables linkedin	linkedin.com/company/careables/	31.12.2020	EN	GIG	672		x	x		x		x	x					
social media	Views from Careables Exhibition Iraq (@waareGIG)	https://www.instagram.com/p/CKnmWw0JBgq/	29.01.2021	EN	GIG	34	no / link provided				x								
Estimation of reach total						57006													

Others																		
other	Newsletter: GIG News No. 3 – Digital Healthcare Fab	https://mailchi.mp/400d13a1dec8/gig-news-no3-col	18.01.2018	EN	GIG	52					x	x	x	x				1
other	Wevolver newsletter	https://mailchi.mp/wevolvr/evolving-wevolver-2403	24.02.2018	EN	WEV	7511	https://tinyurl.com/y3jau9sv				x							1
other	Newsletter MakeHealth March 2018	https://mailchi.mp/2a43afb848af/newsletter-creative	03.04.2018	NL	Waag	127			x		x							1
other	M4U Bulletin #1	http://www.opendotlab.it/m4u-bulletin-1-aprile-2018	26.04.2018	ITA	OD	11		x			x		x					1
other	M4U Bulletin #2	http://www.opendotlab.it/m4u-bulletin-2-giugno-2018	04.06.2018	ITA	OD	6		x					x					1
other	Newsletter MakeHealth June 2018	https://mailchi.mp/5c01d2a1ea5a/waag-is-open-330	05.06.2018	NL	Waag	261			x		x							1
other	Newsletter MakeHealth July 2018	https://mailchi.mp/7212b7a2f057/waag-is-open-330	04.07.2018	NL	Waag	257			x		x							1
other	Newsletter: GIG News No. 5 – DIY healthcare	https://mailchi.mp/globalinnovationgathering/gig-new	30.07.2018	EN	GIG	119					x	x	x	x				1

wolke > communic
<https://wolke1.zsj> Target Groups

Category of Publication	Description / Titel	link?	Date	Language	Responsible partner	Estimation of reach in nr of people	Documented in project folder?	Scientific	Industry	NGO	General Public	Policy	Media	Investors	Customers	Other	which other?	Newsletter
other	M4U Bulletin #3	http://www.opendotlab.it/m4u-bullettin-3-settembre-2018	03.09.2018	ITA	OD	16		x			x		x					1
other	Newsletter MakeHealth Sept 2018	https://mailchi.mp/d1c8b3da59ac/makehealth-live-d	07.09.2018	NL	Waag	306			x		x							1
EU other	Smart map/Final conference	http://projectsmartmap.eu/final-meeting/	01.10.2018	ENG	TOG	50		x			x							1
other	Newsletter MakeHealth Oct 2018	https://mailchi.mp/db01262d2ea7/waag-dutch-desig	18.10.2018	NL	Waag	326			x		x							1
other	M4U Bulletin #4	http://www.opendotlab.it/m4u-bullettin-4-novembre-2018	05.11.2018	ITA	OD	20		x					x					1
other	Newsletter: GIG News No. 7 – GIG @rpAccora, GIG @3	https://mailchi.mp/3e7c05d465ef/gig-news-no7te=it	04.02.2019	EN	GIG	163				x	x	x	x					1
other	Newsletter MakeHealth feb 2019	https://mailchi.mp/waag/update-creative-care-lab-fe	14.02.2019	NL	Waag	376			x		x							1
EU other	DDMP / Open talk - DDMP Innovation in healthcare	TOG/Facebook	28.02.2019	ITA	TOG	977	screenshot available				x				x			1
other	M4U Bulletin #5	http://www.opendotlab.it/m4u-bullettin-5-marzo-2019	25.03.2019	ITA	OD	17		x			x		x					1
other	Careables on Air Podcast	http://www.opendotlab.it/careables-on-air/	01.04.2019	ITA	OD	145		x			x							1
other	Careables on Air #1 Podcast	https://www.speaker.com/user/opendot/puntata-0-	05.04.2019	ITA	OD	28					x		x					1
other	Made4You Poster on ethical and legal research perf	https://lirias.kuleuven.be/retrieve/548930	10.04.2019	EN	KUL	200	Yes	x				x						1
EU other	EU Science Hub in Ispra/ inauguration makerspace	n.a.	15.05.2019		OD	30		x										1
other	Careables on Air #2 Podcast	https://www.speaker.com/user/opendot/careables-	20.05.2019	ITA	OD	25					x							1
EU other	DDMP / Open talk - DDMP Innovation in healthcare	http://www.opendotlab.it/calendario/healthcare-inno	07.06.2019	ITA	OD	50					x							1
other	Make to care 2. La patient innovation in Italia tra pro	Published report by Polifactory and Fondazione Politec	12.06.2019	ITA	OD			x										1
other	Newsletter: GIG News No. 8 – GIG @rp19, GIG @C6T7	https://mailchi.mp/197dde5ff003/gig-news-no7-3032	12.07.2019	EN	GIG	198				x	x	x	x					1
other	Announcement Open Call in be able Newsletter		07.08.2019	DE	Agile	952			x									1
other	Manifesto of codesign panel	On display during the Maker faire in Rome	01.10.2019	ita	OD	- yes			x	x					x			1
other	Newsletter: GIG News No. 9 – Improve your life in a	https://mailchi.mp/1c74954f7fc2/gig-news-no7-3085	22.10.2019	EN	GIG	208			x	x	x	x	x					1
other	Newsletter: GIG News No. 10 – Life Sensor Makeathc	https://mailchi.mp/ee7c8a71dc3/gig-news-no7-310	18.11.2019	EN	GIG	210			x	x	x	x	x					1
other	Paulien Melis at Medica on MakeHealth	https://waag.org/nl/event/medica	21.11.2019	NL	Waag				x		x							1
other	Newsletter: GIG News No. 11 – Life Sensor Makeathc	https://mailchi.mp/1378888e1c8b/gig-news-no7-312	23.12.2019	EN	GIG	223				x	x	x	x					1
other	Event: MakeHealth open evening Jan 2020	https://waag.org/en/event/makehealth-open-evening	16.01.2020	EN/NL	Waag	101		x			x							1
other	Event: Femininity, shaping science and design persp	https://waag.org/nl/event/femininity-shaping-science	30.01.2020	EN	Waag	168		x			x							1
other	Event: MakeHealth open evening Feb 2020	https://waag.org/nl/event/makehealth-open-avond-2	13.02.2020	EN	Waag	156		x			x							1
other	Newsletter Feb 2020 (HACKademy/MakeHealth open	https://mailchi.mp/waag/update-creative-care-lab-fe	20.02.2020	NL	Waag	581		x			x							1
other	Event: ChronicHealth, designing the future of eHealth	https://waag.org/nl/event/chronic-health-designing-	28.02.2020	EN/NL	Waag	276		x			x							1
other	Event: MakeHealth open evening March 2020	https://waag.org/nl/event/makehealth-open-avond-3	12.03.2020	EN	Waag	105		x			x							1
other	Project: Waag Fab Lab produces face shields for hea	https://waag.org/nl/project/gelaatsschermen-voor-o	20.03.2020	NL	Waag			x	x	x			x	x	x			1
other	Newsletter: GIG News No. 12 – Corona Care Maker I	https://mailchi.mp/7e892bafef4b/gig-news-no7-4110	30.03.2020	EN	GIG	233			x	x	x	x	x					1
other	Event: Maker initiatives in corona times #1	https://waag.org/nl/event/online-meetup-waag-talks	01.04.2020	EN	Waag	328		x			x							1
other	Event: Maker initiatives in corona times #2	https://waag.org/nl/event/online-meetup-maker-initi	08.04.2020	EN	Waag	236		x			x							1
other	Event: Maker initiatives in corona times #3 (Pakhuis	https://waag.org/nl/event/design-times-corona-med	17.04.2020	EN	Waag			x			x							1
other	Newsletter April 2020 (Design in times of corona/m	https://mailchi.mp/waag/update-creative-care-lab-fe	23.04.2020	NL	Waag	614		x			x							1
other	M4Y Bulletin 7	newsletter	01.05.2020	ita	OD	413	no / link provided				x							1
other	Newsletter May 2020 (OpenDot webinar, healthcare	https://mailchi.mp/waag/update-creative-care-lab-fe	20.05.2020	NL	Waag	623		x			x							1
other	Newsletter: GIG News No. 13 – Careables online con	https://mailchi.mp/09bf4e07d112/gig-news-no7-419	16.06.2020	EN	GIG	239				x	x	x	x					1
other	Newsletter June 2020 (Careables story/Welder)	https://mailchi.mp/waag/update-creative-care-lab-fe	18.06.2020	NL	Waag	629		x			x							1
other	Event: Face mask accessibility event	https://waag.org/nl/event/mondkapjes-bescherming	25.06.2020	NL	Waag	84		x			x							1
other	Newsletter July 2020 (Elinde/Hackademy/The solut	https://mailchi.mp/waag/update-creative-care-lab-fe	24.07.2020	NL	Waag	636		x			x							1
other	Newsletter August 2020 (Glifo kickstarter/RePublic	https://mailchi.mp/waag/update-creative-care-lab-fe	25.08.2020	NL	Waag	641		x			x							1
other	M4Y Bulletin 6	newsletter	01.09.2020	ita	OD	346	no / link provided				x							1
other	Newsletter: GIG News No. 14 – Careables exhibition	https://mailchi.mp/52047261075e/gig-news-no7-42	28.09.2020	EN	GIG	248			x	x	x	x	x					1
other	Glifo, la campagna Kickstarter dell'ausilio su misura	https://www.designatlarge.it/glifo-kickstarter/	01.10.2020	ita	OD	-	no / link provided				x							1
other	Newsletter October 2020 (Maker faire Rome)	https://mailchi.mp/waag/update-creative-care-lab-fe	15.10.2020	NL	Waag	663		x			x							1
other	ifa podcast "Die Kulturmittler #17: Digitaler Aktivism	https://www.ifa.de/17-digitaler-aktivismus-weltweit-r	01.11.2020	DE	GIG					x			x					1
Estimation of reach total						20174												
Total Newsletters:																		36

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WPS (Communication, Dissemination)	Made4You representation by
Careables presentation to AVEIRO STEAM CITY (UIA project) delegates	Careables presentation	n.a.	2019-01-16	Milano	Organizing a wor	Italy	Comune di Milano	4						1	OD Enrico Bassi
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-06-25	Nepal Communitere, Kathmandu	Organizing a wor	Nepal	Nepal Communitere & Field Ready	31	1		1	1			GIG (Bahar)
Internet of Manufacturing	event to set up the Internet of Manufacturing (IoM): a set of open infrastructures and systems that together enable a decentralized manufacturing network		2019-07-10	Warsaw, Poland	Participation in a	global	MakerNet Alliance	20						1	ZSI
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-07-25	Nepal Communitere, Kathmandu	Organizing a wor	Nepal	Nepal Communitere & Field Ready	13			1	1			GIG
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-07-29	Kathmandu University, Dhulikhel	Organizing a wor	Nepal	Nepal Communitere & Field Ready	46			1	1			GIG
Emerging and innovative Assistive Technologies Working Group / Fab 15	Event during Fab 15	http://fab15.fabevent.org/	2019-08-01	ElGouna	Organizing a wor	Egypt	FAB 15	20			1				OD waag Enrico Bassi and Rutger Oornkes
Presentation Make Health & Careables	Evening program for journalists and students at the CUBE Design Museum		2019-09-05	Kerkrade	Participation in a	Netherlands	CUBE design museum & Waag	35						1	Waag
HACK4Ears Hackathon	Event by our Partner and Co-Creator Peggy Sylopp with HACK for Ears	https://www.idmt.fraunhofer.de/content/dam/idmt/documents/HSA/hack4ears_de.pdf	2019-09-08	Motionlab	Participation in a	Germany	Fraunhofer Institut	70			1	1	1		Prototypes, Isabelle Dechamps
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-09-26	Nepal Communitere, Kathmandu	Organizing a wor	Nepal	Nepal Communitere & Field Ready	13			1	1			GIG
Opendot and healthcare / Circular Design Lab	Training for students about design for care	n.a.	2019-09-27	Milano	Training	Italy	School of Design of Politecnico di	35				1			OD Enrico Bassi
Talk / Hackathon H-ABLE Disabilità&Sport	Jury at the hackathon H-Able organised by Comune di Mantova	http://www.informagiovani.mn.it/media/uploads/allegati/21/In-able_programma-hackathon.pdf	2019-09-27	Mantova	Participation in a	Italy	Comune di Mantova	25						1	OD Enrico Bassi e Juste Moutaizite
Researchers' Night Vienna	Flyers distributed at this public event for science communication	https://sci4all.eu/en/home/	2019-09-27	Vienna	Participation in a	Austria	University of Applied Arts, Vienna, Austria	1000						1	ZSI

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WP5 (Communication, Dissemination)	Made4You representation by
Social Tech Returns	event of technologies for healthcare; networking and distribution of flyers	https://wirtschaftsagentur.at/veranstaltungen/business-treff-social-tech-returns-926/	2019-10-01	Vienna	Participation in a	Austria		60						1	ZSI
Open Health HACKademy#2 Public Final Presentation	Public Presentation and Prototype Testing within the HACKademy Program.	https://matchmyaker.de/open-health-hackademy-3/	2019-10-06	TU Berlin	Pitch event	Germany	Prototypes, be able e.V.,	50					1	1	Prototypes
Open Health HACKademy#2 Public Kick Off Presentation	Public Presentation within the HACKademy Program. Evening Format with talks and presentations.	https://matchmyaker.de/open-health-hackademy-3/	2019-10-28	TU Berlin	Pitch event	Germany	Prototypes, be able e.V.,	34					1	1	Prototypes
Open Health HACKademy#3 Public Final Presentation	Public Presentation within the HACKademy Program. Evening Format with talks and presentations.	https://matchmyaker.de/open-health-hackademy-3/	2019-10-28	Online and Beuth Hochschule für Technik and Wirtschaft	Pitch event	Germany	Prototypes, be able e.V.,	64					1	1	Prototypes
Meeting with CNR LECCO /Simone Pittaccio	Careables presentation and workshop about prosthetics	n.a.	2019-10-28	Milano	Organizing a wor	Italy	TOG	4		1					TOG
Health&care Industry day	The format was a 3-hours mentor-driven event for students of product design from NABA - Nuova Accademia di Belle Arti and is organised with Fondazione Brodolini, whose focus are innovation and entrepreneurship. The topic is healthcare and design for care. The mentors analyses and evaluates 5 careables developed by 5 teams of NABA students (drifter car/xylo/vibe/wheelchair simulator/hyperactive stool/ evs)	https://www.opendolab.it/portfolio-item/ddmp-distributed-design-market-platform/	30/10/2019	Luiss Hub for makers and students, Milano	Activities organis	Italy	Opodot	22							OD - Alessandra Laterza, Enrico Bassi
HPI Jubilee Conference: Designing Digital Transformation	We offered a round table with HACKademy representatives	https://hpi.de/20-jahre-hasso-plattner-institut/festprogramm/designing-digital-transformation-50-jahre-internet.html	2019-10-30	HPI Potsdam	Participation in a	Germany	HPI	120						1	Prototypes, Isabelle Dechamps
MakeHealth open evenings	open evenings for the MakeHealth community; to discuss one specific careable and invite new members to join the community	https://waag.org/en/event/makehealth-open-evening	2019-11-14	Amsterdam	Organizing a wor	Netherlands	Waag	15		1			1		Waag, Paulien Melis & Rutger Oomkes
"Stampa 3D e tecnologie innovative per la creazione di soluzioni non disponibili sul mercato" course for occupational therapists	Training for occupational therapists and physiotherapists	https://www.affidabile.it/prodotto/stampa-3d-tecnologie-innovative/	2019-11-16	Padova	Training	Italy	Affidabile	15				1			OD Enrico Bassi
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-11-21	Orbit technical Institute, Chitwan	Organizing a wor	Nepal	Nepal Communitere & Field Ready	25			1	1			GIG

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WPS (Communication, Dissemination)	Made4You representation by
MEDICA World Forum for Medicine	Careables presentation at the Health IT Forum	https://www.medicatradefair.com/en/Forums-Conferences/Forums/MEDICA_HEALTH_IT_FORUM/MHIF_Overview	2019-11-21	Arena Straße, Düsseldorf	Participation in a	Germany	World Forum for Medicine	15							Waag, Paulien
ifa Workshop Digitale Zivilgesellschaft	Input zu: Digital Inclusion		2019-11-23	Berlin	Participation in a	Germany	ifa - Institut für Auslandsbeziehungen	25						1	GIG, Geraldine
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-11-25	Purwanchal Camus, Dharan	Organizing a wor	Nepal	Nepal Communitere & Field Ready	85			1	1			GIG
Open Science und Pflege: Chancen und Barrieren – Ein Dialog	public event organised in an elderly home; part of an event series of knowledge transfer: How can you easily make aids for health and care yourself? Barbara Kieslinger from ZSI gave a keynote address on this question in Vienna. The workshop takes place as part of the Knowledge Transfer Center Ost 2.0 and is organized by the University of Natural Resources and Life Sciences Vienna and the Ludwig Boltzmann Society.	https://www.eventbrite.at/e/open-science-und-pflege-chancen-und-barrieren-ein-dialog-registrierung-81276396891#	2019-11-25	Haus Augarten, Vienna, Austria	Participation in a	Vienna, Austria	Wissenstransfer Ost	25						1	ZSI
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-11-26	Manmohan Memorial Polytechnic, Biratnagar	Organizing a wor	Nepal	Nepal Communitere & Field Ready	112			1	1			GIG
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-11-29	Bheri Technical School, Nepaigunj	Organizing a wor	Nepal	Nepal Communitere & Field Ready	40			1	1			GIG
FABBRICARE HEALTH. PRODURRE SOLUZIONI CHE INNOVANO LA SALUTE - open talk with Filippo Cipriani (Sanofi), Giuseppe Banfi (IRCCS), Nadia Crivelli (Unità spinale Niguarda), Stefania Marconi (researcher)	Event moderated by Opendot about innovative healthcare solutions developed by industries and hp organisations	https://www.manifattureaperte.it/fabbricare-health-produrre-soluzioni-che-innovano-la-salute/	2019-11-29	Milano	Organizing a con	Italy	Manifatture aperte	20						1	OD Enrico Bassi and Marta Savoldelli
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-12-03	Butwal Technical School, Butwal	Organizing a wor	Nepal	Nepal Communitere & Field Ready	56			1	1			GIG
Careables Luncheon	presentation of Careables to Makers and Innovators in Nairobi, Kenya		4/12/2019	Nairobi	Organizing a wor	Kenya	Global Innovation Gathering	14			1			1	GIG Sandra, Geraldine, Mugethi
Careables presentation to educators and teachers of the region	Careables presentation	n.a.	2019-12-04	Oslo	Training	Norway	Local regional public authority	25				1			OD Enrico Bassi
DOTS – The Impact Summit (public day)	careables project presentation to the gig network and invited guests from Nakuru	https://www.globalinnovationgathering.org/dots/	2019-12-07	Nakuru	Organizing a con	Kenya	Global Innovation Gathering / r0g agency	70			1		1	1	GIG Sandra, Geraldine, Mugethi

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WPS (Communication, Dissemination)	Made4You representation by
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-12-09	Dhangadi Engineering College, Dhangadi	Organizing a wor	Nepal	Nepal Communitere & Field Ready	85			1	1			GIG
SDGs group - Careables presentation	Presentation of careables project during sdfs summit.	http://www.osi-genevaforum.org	2019-12-11	Geneve	Participation in a	Switzerland	Objectiv sciences international	40						1	OD Enrico Bassi
MakeHealth open evenings	open evenings for the MakeHealth community; to discuss one specific careable and invite new members to join the community	https://waag.org/en/event/makehealth-open-evening-0	2019-12-12	Amsterdam	Organizing a wor	Netherlands	Waag	10	1						Waag
Humanitarian Design Challenge Demo Workshops	A series of workshops to orient engineering students, private sector industry partners, and development stakeholders on digital fabrication, design-thinking and the potential impacts and benefits for Nepal.		2019-12-16	Western Regional Campus, IOE, Pokhara	Organizing a wor	Nepal	Nepal Communitere & Field Ready	53			1	1			GIG
MakeHealth open evenings	open evenings for the MakeHealth community; to discuss one specific careable and invite new members to join the community	https://waag.org/en/event/makehealth-open-evening-1	2020-01-16	Amsterdam	Organizing a wor	Netherlands	Waag	10	1						Waag
Feminity	public evening on inclusive design of medical materials. Based on the work of Team Gyn with the new prototype of a speculum	https://waag.org/nl/event/feminity-shaping-science-design-perspectives	2020-01-30	Amsterdam	Organizing a wor	Netherlands	Waag	25						1	Waag, Paulien Melis, Sanne Muiser
Careables Olinda Opening Session	Careables Latin America open event in Olinda, a UNESCO World Heritage site, was a vibrant evening gathering where local communities could meet careables and share their ouw work with health and making	https://share.nuclino.com/p/Careables-Olinda-Opening-Session-yeMoTFq91obnPxwRaaTJoa	2020-02-05	Casa Criatura	Organizing a con	Olinda, Brazil	Casa Criatura	40		1			1	1	GIG (Ricardo, Georgia)
MakeHealth open evenings	open evenings for the MakeHealth community; to discuss one specific careable and invite new members to join the community	https://waag.org/en/event/makehealth-open-evening-2	2020-02-13	Amsterdam	Organizing a wor	Netherlands	Waag	15		1					Waag
Humanitarian design Challenge Design Sprint	2 weeks long design sprint involving Human Centered Design, Digital manufacturing to solve health related problems		2020-02-15	Nepal Communitere, Kathmandu	Organizing a wor	Nepal	Nepal Communitere & Field Ready	20			1				GIG (Bahar, Pallab)
Humanitarian design Challenge Design Sprint	2 weeks long design sprint involving Human Centered Design, Digital manufacturing to solve health related problems		2020-02-21	Nepal Communitere, Kathmandu	Organizing a wor	Nepal	Nepal Communitere & Field Ready	20			1				GIG (Bahar, Pallab)
Humanitarian design Challenge Design Sprint	2 weeks long design sprint involving Human Centered Design, Digital manufacturing to solve health related problems		2020-02-29	Nepal Communitere, Kathmandu	Organizing a wor	Nepal	Nepal Communitere & Field Ready	20			1				GIG (Bahar, Pallab)
Recitation about digital fabrication in healthcare during the fab academy	During fabacademy	n.a.	2020-03-02	online	Training	Italy	Fabacademy	60				1			OD WAAG Enrico Bassi, Rutger Oomkes
MakeHealth open evenings	open evenings for the MakeHealth community; to discuss one specific careable and invite new members to join the community	https://waag.org/en/event/makehealth-open-evening-3	2020-03-12	Amsterdam	Organizing a wor	Netherlands	Waag	6		1					Waag
DIY maker initiatives during corona crisis	online public program on diy makerinitiatives		2020-04-01	Online	Organizing a con	Netherlands	Waag	90	1						Waag

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WPS (Communication, Dissemination)	Made4You representation by
DIY maker initiatives during corona crisis	online public program on diy makerinitiatives	https://waag.org/en/event/online-meetup-maker-initiatives-during-corona-crisis	2020-04-08	Online	Organizing a con	Netherlands	Waag	30	1						Waag
Co-creating careables - Meeting with NABA students	Tog presentation to a group of NABA students and need-sharing. The group is co-designing a series of tactile tiles for children with disability.	n.a.	2020-04-14	Milano	Organizing a wor	Italy	TOG	5			1				TOG, Lorenza Coacci
AI4EU Café fight against Corona virus	The AI4EU Web Café is an online event series where users have the possibilities to participate virtually in live sessions with experts on specific AI domain or areas of interests.	https://www.youtube.com/watch?v=BwXlYI75ZVA	2020-04-16	online	Participation in a global		AI4EU project	50	1					1	ZSI
Design in times of ... corona	Live broadcast in collaboration with Pakhuis de Zwijger. Targeted at design communities, general public interested in design and societal challenges.	https://dezwijger.nl/programma/ddmp_corona	2020-04-17	Live cast, Pakhu	Participation in a	Netherlands	Pakhuis de Zwijger, Waag	816	1						Waag
Careables AT Kumasi Online Challenge	A virtual challenge was then introduced to engage and evaluate the skills of trainees in 3D modelling & fabrication and material selection has been launched and trainees are working on mini projects in teams. Teams will develop a universal door knob lever that easily converts a standard door knob into a lever handle. People with difficulty gripping a standard door knob should find this adapted lever handle an easy way to open a door.	https://twitter.com/KumasiHive/status/1266089631076007939	2020-05-01	Kumasi	Training	Ghana	Kumasi Hive	18							GIG, Priscilla Serwaah Gyasi
Re:publica 2020 TV edition	Digital society meet up for change of ideas, and discuss topics and solutions for current challenges. GIG hosted a panel in the event, inviting Paulien from Waag and Robert from Brazil to share experiences in the global maker response	https://www.careables.org/event/republica-2020-berlin-asap-cfp-deadline/	2020-05-07	online	Participation in a global		republica GmbH	16419 (of the whole day in livestream)	1					1	Waag, Paulien
A distributed answer to a global crisis: ideas, communities and rules	Open talk organised by OD within ddmp project about maker response and legal implications	https://www.opendotlab.it/distributed-answer-to-global-crisis-ideas-communities-and-rules/2020-05-21/	2020-05-21	online	Activities organis	Italy	DDMP project together with carea	603	1					1	OD KU LEUVEN Enrico Bassi, Dr Reeser, Elisabetta Biasin and Erik Kamenjasevic, Sabrina Merlo
Viral Response Roundtable: Building open hardware communities in response to Covid-19	An event series about about Collaborative Innovation for Future Resilience	https://viralresponse.io/viralresponse/stories/live-event-learn-how-to-build-community-in-response-to-covid-19	2020-05-21	online	Participation in a global		Wikifactory	40	1					1	ZSI
VMM Maker Faire Presents Tech F	Presentation of Tech for care platform, Careables is a partner of.	https://makerfaire.com/maker/en/try/71734/?fbclid=IwAR2psX5SgigLYnhL39LhnLASYu-B7r5Ndb-bgpFt0LkIRXNvQPJUb0H9A	2020-05-23	online	Organizing a wor	Italy	available also here: https://www.youtube.com/watch?v=9GsXlCuSMdc&fbclid=IwAR2zgE4_QsxLEMnBW-pR4sIzKbAmO4XgYNZltyigtjlkNB4FOjsxXUYaY	910	1		1				OD Enrico Bassi

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WPS (Communication, Dissemination)	Made4You representation by
Design and 3D technologies for Health&Care – Summer School courses/Custom orthotics	Online course on how to make masks, braces, casts thanks to FDM 3D printing and photogrammetry 3D scanning. Participants scanned a part of their body on which they designed masks and orthotics (braces, casts and similar). Also, they learnt how to make forms and cellular structures that increase breathability, flexibility and comfort of these orthotics, as well as how to better use FDM 3D printing and choose materials.	http://www.opendoitlab.it/portfolio-item/healthcare-summer-school-2020/	2020-05-23	online	Activities organis	Italy	DDMP project together with carea	27				1			OD Tiziano Berti
Saúde, Cuidado y tecnología: una relación atemporal	A series of 3 online conferences to reflect upon past, present and future of the care. Representatives from different parts of Brazil, Colombia and Spain	https://lab.procomum.org/2020/05/saude-cuidado-e-tecnologia/	2020-05-29	online	Organizing a con	Brazil	Procomum	278					1	1	GIG (Ricardo & Georgia)
Viral Response Roundtable: How	An event series about about Collaborative Innovation for Future Resilience	https://viralresponse.io/+viralresponse/stories/live-event-audit-and-accreditation-for-covid-19-project	2020-06-01	online	Participation in a global		Wikifactory, Careables (through KUL)	40	1					1	KUL
Saúde, Cuidado y tecnología: una relación atemporal	A series of 3 online conferences to reflect upon past, present and future of the care. Representatives from different parts of Brazil, Colombia and Spain	https://lab.procomum.org/2020/05/saude-cuidado-e-tecnologia/	2020-06-05	online	Organizing a con	Brazil	Procomum	121					1	1	GIG (Ricardo & Georgia)
Saúde, Cuidado y tecnología: una relación atemporal	A series of 3 online conferences to reflect upon past, present and future of the care. Representatives from different parts of Brazil, Colombia and Spain	https://lab.procomum.org/2020/05/saude-cuidado-e-tecnologia/	2020-06-12	online	Organizing a con	Brazil	Procomum	110					1	1	GIG (Ricardo & Georgia)
Design and 3D technologies for Health&Care – Summer School courses/Parametric Design	Online course about 3D modelling training through parametric software for handles and adaptors, to help everyone to use everyday objects in a much more comfortable way. Thanks to Parametric Design, it is possible to adapt a project to different users' needs; then, it is also the most comprehensive for designing technical details such as hooks, threaded parts, connectors etc. Participants learnt how to modify simple objects so that they are customized to people's needs, changing measurements and configurations.	http://www.opendoitlab.it/portfolio-item/healthcare-summer-school-2020/	2020-06-16	online	Activities organis	Italy	DDMP project together with carea	30				1			OD Antonio Garosi
Open Health HACKademy#3 Public Feedbackmeeting 1	Public Feedbackmeetings within the HACKademy Program. Evening Format with talks and presentations.	https://matchmymaker.de/open-health-hackademy-3/	2020-06-17	Online	Pitch event	Germany	Prototypes, be able e.V.,	34				1			Prototypes

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WPS (Communication, Dissemination)	Made4You representation by
Design and 3D technologies for Health&Care – Summer School courses/Modeling for surgery	Online course. Medical imaging systems such as MRI, CT, PET and 3D Ultrasound are basically 3D scanning applied to the medical sector. Nowadays 3D printing is used within hospitals to create preoperative teaching prototypes, real prosthesis, guiding supports during an operation. Participants learnt the working tools and flows necessary to move from MRI and CT scanning to 3D models and how to use this 3D model to print new 3D teaching printing. The exercise regarded medical devices design, 3D printed organs, dental puncture's dime	http://www.opendotlab.it/portfolio-item/healthcare-summer-school-2020/	2020-06-19	online	Activities organis	Italy	DDMP project together with carea	21				1			OD Alberto Ornaghi
Careables Maker Gathering	Having felt the need for a platform where we can share the knowledge we have gained over the past months related to Covid-19 pandemic, GIG will be hosting its first virtual Careables maker gathering on the 25th of June.	https://www.careables.org/event/join-the-careables-maker-gathering-25th-of-june-online/	2020-06-25	online	Organizing a con	global	Global Innovation Gathering	60	1		1		1		GIG, and all partners
Mondkapjes: bescherming of belemmering?	Open evening program based on internship. Master student Biomedical Engineering Roelof de Vries designed and prototyped a new transparent facemask (Careable)	https://waag.org/nl/event/mondkapjes-bescherming-belemmering	2020-06-25	Online meetup	Organizing a wor	Netherlands	Waag	9	1						Waag
Design and 3D technologies for Health&Care – Summer School courses/Training kit for the medical staff	The training of medical personnel needs to be done in simulation. Wound sutures and operations on heart valves can be simulated thanks to 3d printed models' kits in which people can pour two-component silicone. Starting from 3D models of anatomical parts, participants designed stamps for medical simulation.	http://www.opendotlab.it/portfolio-item/healthcare-summer-school-2020/	2020-06-26	online	Activities organis	Italy	DDMP project together with carea	24				1			OD Enrico Bassi
Open Health HACKademy#3 Public Feedbackmeeting 2	Public Feedbackmeetings within the HACKademy Program. Evening Format with talks and presentations.	https://matchmymaker.de/open-health-hackademy-3/	2020-07-01	Online	Pitch event	Germany	Prototypes, be able e.V.,	33				1			Prototypes
Campus Party Brasilia	Presentation about Careables Casa Criatura and how it was working to help in the fight against covid-19	https://brasilia-digital-campus-party.org/campusero/?pages=page-stream&slugEvent=campus-party-digital-edition-2020-brasil&slugAttraction=tecnologia-para-ajudar-a-combater-a-pandemia-do-covid-19	2020-07-10	Online	Participation in a	Brasil	Campus Party	32	1					1	GIG
Open Health HACKademy#3 Public Feedbackmeeting 3	Public Feedbackmeetings within the HACKademy Program. Evening Format with talks and presentations.	https://matchmymaker.de/open-health-hackademy-3/	2020-07-15	Online	Pitch event	Germany	Prototypes, be able e.V.,	24				1			Prototypes
Open Health HACKademy#3 Public Feedbackmeetings 4	Public Feedbackmeetings within the HACKademy Program. Evening Format with talks and presentations.	https://matchmymaker.de/open-health-hackademy-3/	2020-07-29	Online	Pitch event	Germany	Prototypes, be able e.V.,	30				1			Prototypes

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WP5 (Communication, Dissemination)	Made4You representation by
Fabxlive: Future scenario building in COVID-19 response and beyond	The event shares projected future scenarios in lightning presentations about covid-19 pandemic, followed by a participative Q&A session about community experience, checking the needs, and possible future demand in the health&care sector	https://wikifactory.com/+wikifactory/stories/fabxlive-future-scenario-building-in-covid-19-response-and-beyond?utm_source=Facebook&utm_medium=Banner&utm_campaign=FABxLiveVRoundtable&fbclid=IwAR3H7wVbc8dQrX4KDu2sn4mVB2klFRIsVbCwMmZNVlqAnYER66dWWlZB-g	2020-07-31	online	Organizing a wor	Italy	FabXlive and wikifactory and care	25	1				1		OD Enrico Bassi
Fabcare manifesto	Presentation of the fab group working on health&care projects		2020-08-03	online	Organizing a wor	Italy	FabXlive togethr with careables, ap	30					1		OD prototypes Enrico Bassi, Daniel Wessolek
Fabcare meet up	Meet up		2020-08-04	online	Organizing a wor	Italy	FabXlive togethr with careables, Em	30					1		OD Enrico Bassi
Cadus Debate!	Debate is an event promoted by Cadus to reflect critically on humanitarian practice.	https://www.cadus.org/en/debate	2020-09-03	online	Participation in a	Germany	Cadus	77	1					1	GIG (Ricardo)
Aziende e Makers - il contributo delle Aziende durante l'epidemia	Event moderated by Opendot about covid-19 response by SMEs	https://torino.makerfaire.com/home-page/program-ma-talk/	2020-09-19	Torino	Organizing a wor	Italy	Maker faire Torino	online event	1					1	OD Enrico Bassi
Festival delle abilità - Opendot e TOG, digital for social	Presentation of TOG and OpenDot joint collaboration creating digital projects for disabilities	http://festivalabilita.org/talk/	2020-09-20	Milano	Participation in a	Italy	Festival delle Abilità	25						1	OD TOG Alessandro Masserdotti, Cristina Dornini
DOIT Conference: Making Social Innovators	European conference on youth innovation education in makerspaces	https://www.careables.org/event/making-social-innovators-24th-september-2020-online/	2020-09-24	Online	Participation in a		DOIT, Salzburg Research, St. Virgil Salzburg Hotel								ZSI
CheRRies project webinar series	CHERRIES Responsible Healthcare Ecosystems webinars are an exploration of the key dimensions of regional innovation ecosystems in the healthcare sector	https://www.cherries2020.eu/wp-content/uploads/2020/09/Webinar-series-flyer-interactive-V2.pdf	2020-09-29	online	Participation in a	global	CHERRIES project	20						1	ZSI
APPLICATION OF CO-DESIGN METHOD AND THE DEVELOPMENT OF A TOOLKIT TO SUPPORT THE GENERATION OF INNOVATIVE SOLUTION IN HEALTHCARE	Presentation during Shaping the future of pediatrics, annual event targeted to the healthcare professionals	https://www.mcascentificvents.eu/shapingpediatrics/	2020-10-03	Rome	Participation in a	Italy	Shaping for the future of pediatric	100						1	OD Enrico Bassi

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WP5 (Communication, Dissemination)	Made4You representation by
TecnoTOG _ La tecnologia applicata alla riabilitazione neurologica infantile	Conference organised by TOG about latest technologies applied to the rehabilitation of severe disabilities	http://together.tog.org/tecnog-convegno-palazzo-reale-5-ottobre-2019/	2020-10-05	Milano	Organizing a con	Italy	TOG	135						1	OD TOG Antonia Madella Noja, Cristina Dornini, Luca Frigerio, Alessandro Masserdotti, Enrico Bassi
Desigtalks 'Tomorrow collectives by D4E1'	Presentation of Careables project during Kortrijk design week	https://kortrijkcreativityweek.be/en/events-en-masterclasses/detail?item=67	2020-10-25	Kortrijk	Participation in a	Belgium	Howest/Kortrijk creativity week	40				1			OD Marta Savoldelli
Careables presentation	Training for students about design for care and carebles project	n.a.	2020-10-28	Milano	Training	Italy	Politecnico	20				1			OD Enrico Bassi
Exhibition Kumasi	The purpose of the exhibition was to display assistive technologies design and also to gather feedback for later improvements. The team exhibited the white cane that is designed to aid the blind navigate their environment using vibrations and sounds. This exhibition was done in collaboration with the Family Medicine Unit Directorate, Komfo Anokye Teaching Hospital, Ghana.		2020-11-19	Kumasi	Exhibition	Ghana	Kumasi Hive	20							GIG
Careables AT Kumasi Exhibition	At the exhibition, the white cane was demonstrated by the Careables AT Kumasi team to the Family Medicine Directorate of KATH led by Dr Kathryn Spangenberg. We had a total of 20 people gathered at the exhibition, out of which 13 were women. Some feedback we gathered from the KATH team was to incorporate new features like a sensor to detect wires and obstacles with openings like the table. Another feedback from the team at the Family Medicine Directorate was to redesign the white cane to be adjustable for easy transportation.	https://www.linkedin.com/feed/update/urn:li:activity:6735146188363878400?updateEntityUrn=urn%3A%3Afs_feedUpdate%3A%28V2%2Cum%3A%3Aactivity%3A6735146188363878400%29	2020-12-03	Kumasi	Exhibition	Ghana	Kumasi Hive	20							GIG, Priscilla Serwaah Gyasi
International Conference of the Association for the Advancement of Assistive Technology in Europe (AAATE) - Global Challenges in Assistive Technology: Research, Policy & Practice	International conference organised by the Association for the Advancement of Assistive Technology in Europe	https://aaate2019.eu/	2019-08-27/23	Bologna	Presentation at a		AAATE, AIAS Bologna, University of Bologna	1000						1	KUL
Open Health HACKademy#3	A Educational Program for Students, Makers, Healthexperts and people in need for Careables. The Scope is to co-create and share Careables in a user centered approach in interdisciplinary Teams	https://matchmymaker.de/open-health-hackademy-3/	06.06 until 9.8.2020		Training	Germany	Prototypes, be able e.V.,	60			1	1			Prototypes
Maker Faire Zagreb	present a small selection of careables (= DIY open healthcare solutions) that have originated from our co-design and training workshops.	https://www.careables.org/event/maker-faire-zagreb-3/	12&13 October 2019	Zagreb	Participation in a	Hrvatska	Technical Museum Nicola Tesla	300							KUL Erik
Careables Maker Gathering Brazil	A maker gathering to wrap-up the development, replication and documentation of products that started the development before the pandemic	https://www.youtube.com/watch?v=6-zaNheFn_I	17- 26 november, 2020	online	Organizing a con	Brazil	Instituto ProComum and Casa Criaticbc					1	1	1	GIG Ricardo & Georgia
Meeting with Odoardo Picciolini	Careables presentation and workshop about prescription of careables		20/10/2019-28/10/2019-5/02/2020	Milano	Organizing a wor	Italy	TOG	4		1					TOG Chiara Conti, Cristina Dornini

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WP5 (Communication, Dissemination)	Made4You representation by
Wear It Innovation Summit	Talks around medical disruption and the future of health, spread flyers and stickers	https://www.careables.org/event/wear-it-innovation-summit-25-26-june-2019-in-berlin-wearitberlin/	2019-06-25/27	Schönhauser Allee 36, Berlin	Participation in a	Germany	Wear it	500							GIG, Sandra, Hannan
Open and User Innovation Conference – The 17th International Conference	International conference organised by Open User Innovation (OUI) Society	https://www.uu.nl/en/news/the-17th-international-open-and-user-innovation-conference	2019-07-08/10	Utrecht	Presentation at a	Netherlands	Open User Innovation Society, with the support of the Utrecht University School of Economics Research Institute the Copernicus Institute of Sustainable Development, Institutions for Open Societies, and Utrecht University Social Entrepreneurship Initiative.	1000						1	KUL
The 17th International Open and User Innovation Conference #OUI2019	Internation open and user innovation conference, to gather researched of variety of different field	https://www.careables.org/event/the-17th-international-open-and-user-innovation-conference-oui2019/	2019-07-08/11	Utrecht		Netherlands									KUL
Tech for Good Showcase & Exhibition	Tech for Good is an innovation challenge for passionate and creative youths, 15-25 years old, to develop solutions that will benefit persons with disabilities and their families/care-givers.	https://www.careables.org/event/tech-for-good-showcase-exhibition-2-november-2019-singapore-4/	2019-08 till 11	Singapore	Organizing a wor	Singapore	Engineering Good	100					1	1	GIG Saad
Chaos Communication Camp	Camping confrence for hackers and associated life-forms, hosted workshop together with Cadus on the Life Sensor	https://www.careables.org/event/chaos-communication-camp-21-25-august-2019-near-berlin-4/	2019-08-21/25	Zehdenick	Participation in a	Germany	Chaos Computer Club	8			1				GIG, Sandra, Vicy, Saad
NextCloud Conference 2019	Who owns the robots? Why open hardware matters for development keynote at the conference	https://www.yout	2019-09-14/15	Berlin	Participation in a	Germany	nextcloud	50						1	GIG, Geraldine
Datenspuren - Patch gehabt	Flyer und Sticker ausgelegt	https://www.careables.org/event/daten-spuren-2019-21-22-september-dresden-germany-with-call-for-participation-event-in-german/	2019-09-21/22	Dresden	Participation in a	Germany	Chaos Computer Club Dresden	400							GIG, Sandra
MakeHealth student exchange	students medical school Radboud UMC collaborated on several Careables-project with students design and engineering of University of Applied Science Amsterdam		2019-10 - jan 2020	Nijmegen & Ams	Training	Netherlands	RadboudUMC & UASA	40				1			Waag, Paulien Melis
Mozfest 2019	Flyers distributed	https://www.mozillafestival.org/en/	2019-10-21/27	London	Participation in a	United Kingdom	Mozilla Foundation	300						1	ZSI

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WP5 (Communication, Dissemination)	Made4You representation by
TIPC Conference: Towards a Global Research Agenda for Transformative Innovation Policy	Careables poster presentation at the annual conference of the TIPC consortium on transformative innovation policies	https://www.eventbrite.co.uk/e/towards-a-global-research-agenda-for-transformative-innovation-policy-tickets-65172410434	2019-11-04/5	Technical University of Valencia	Participation in a	Valencia, Spain	TIPC - Transformative Innovation Policy Consortium	200						1	ZSI
Careables AT Kumasi Training	Kumasi Hive partnered by Careables offers community collaborations and innovations aimed at improving the inclusion of people with disabilities through the efficient production and use of assistive technologies.	https://twitter.com/KumasiHive/status/1235626375719129088	2019-2020	Kumasi	Training	Ghana	Kumasi Hive	18				1			GIG, Priscilla Serwaah Gyasi
Careables AT Kumasi Training	The goal of the training was to build capacity of students from the biomedical and center for disability and rehabilitation from KNUST to co-create and design assistive technologies for local use and maintenance.		2020-01 to 2020-03	Kumasi	Training of potential makers	Ghana	Kumasi Hive	18							GIG
FOSDEM	Free event for software developers to meet, share ideas and collaborate	https://www.careables.org/event/fosdem-1-2-february-2020/	2020-02-01/02	Campus du Solbosch Av. F. D. Roosevelt 50, Brussels	Participation in a	Belgium	FOSDEM								Prototypes/AH Daniel W.
Careables Olinda Working sessions	Weekly meetings to develop and replicate careables	https://casacriatura.com/careables-olinda-first-15-days/	2020-02-17/28	Casa Criatura	Organizing a wor	Brasil	Casa Criatura	12		3	3				GIG (Ricardo)
Presentation students (2nd year) Royal Academy of the Arts	Trainingsession for students of the Art Academy		2020-0203	Amsterdam	Training	Netherlands	Waag	24						1	Waag
World Summit Award Vienna	Global Congress to award and promote digital solutions for local issues; in collaboration with United Nations	https://www.worldsummitawards.org/wsa-global-congress-2020-vienna/	2020-03-08/11	Erste Campus, Vienna	Participation in a	Austria	WSA	250						1	ZSI, Barbara Kieslinger
Open Source Hardware Summit 10th Edition	Annual conference on open source hardware. To foster knowledge and encourage research that is accessible, collaborative, and respects user freedom	https://www.careables.org/event/open-source-hardware-summit-10th-edition-call-for-proposals-is-still-open/	2020-03-13/14	online	Participation in a	United States	OSHA								Prototypes/ AH Daniel W. (online attendance)
Augmented Humans 2020	Conference that focuses on physical, cognitive and perceptual augmentation of human through digital technologies	https://www.careables.org/event/augmented-humans-2020-kaiserautern-germany-call-for-participation-16th-january/	2020-03-16/17	Online	Participation in a	Germany									Prototypes/ AH Daniel W. (online attendance)
FOSS ASIA Summit 2020	open technology event to share and showcase latest innovations and meet contributors and potential partners	https://www.careables.org/event/foss-asia-summit-2020-in-singapore-19th-till-22nd-of-march/	2020-03-19/22	Eunos Road 8, Singapore	Participation in a	Singapore	FOSSASIA								GIG Saad

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WPS (Communication, Dissemination)	Made4You representation by
WirVsVirus HACKathon	HACKathon to enable Solutions that tackle Challenges about Covid19 hosted with the German Government. Careables members were part of the jury.	https://wivsvirus.org/	2020-03-20/22	Online	Participation in a	Germany	German Government	5000							Prototypes, Isabelle Dechamps; GIG, Geraldine de Bastion
"HacKoronavirus"- Online Hackathon for Madagascar	hackathon	https://www.careables.org/event/hackoragnavirus-online-hackathon-for-madagascar/	2020-04-03/06	online	Participation in a	Madagascar			1						GIG
Pan-European Hackathon- #EUvsVirus	hackathon to connect and to develop innovative solutions to overcome COVID-19 related challenges Daniel Heltzel from Prototypes participated in the jury	https://www.careables.org/event/pan-european-hackathon-euvsvirus/	2020-04-24/27	online	Participation in a	Europe	European Union		1						Prototypes
UBORA Design Competition 2020 on COVID-19	Open source medical technologies for integral management of COVID-19 pandemic and infectious disease outbreaks	https://www.careables.org/event/ubora-design-competition-2020-on-covid-19-registration-due-on-30-april-2020/	2020-04-30---2020-05-01	online	Participation in a	Global	UBORA Biomedical		1						OD
Design 4 Health 2020	Scientific conference, that discusses the role of design in the future of health and care	https://www.careables.org/event/design4health-2020-amsterdam/	2020-07-01/04	Wibautstraat 1-4, Amsterdam	Participation in a	Netherlands	Waag, Lab4Living, University of Twente Designlab								Waag
FABXLive	Global Fab Lab Network conference, reflect on COVID	https://www.careables.org/event/fabxlive-online-on-27th-31st-of-july/	2020-07-27/31	online	Participation in a		Fablabxlive, The Center for Bits and Atoms, Fab Foundation		1						OD
First Careables Exhibition at #rpCampus	exhibition showcasing collection of some of the hardware designs and co-designs, Careables	https://www.careables.org/event/first-careables-exhibition-at-der-rpcampus-im-september-berlin/	2020-09-06---2020-10-04	re:publica Campus Berlin Neukölln	Exhibition	Germany	republica GmbH	2000							GIG
Mitforschen! Das Citizen-Science-Festival	Science-Festival for citizen science projects to showcase their research, created online booth and video, physical pop-up-booth during the event for a photo opportunity	https://www.careables.org/event/mitforschen-das-citizen-science-festival-14-und-15-oktober-2020/	2020-10-14/15	Schönhauser Allee	Exhibition	Germany	Wissenschaft im Dialog, Museum	100							Prototypes, GIG
Knowledge for Change: A decade of Citizen Science (2020-2030) in support of the SDGs	Conference of Germany's 2020 EU Council presidency, a discussion of the UN Sustainable Development Goals (SDGs) and the contributions that citizen science makes in framing and achieving sustainable development	https://www.careables.org/event/knowledge-for-change-a-decade-of-citizen-science-2020-2030-in-support-of-the-sdgs/	2020-10-14/15	Berlin	Participation in a	Germany	CoAct, Museum Naturkunde Berlin, ECSA, Germany's 2020 EU Council presidency						1		ZSI, Prototypes
Il metodo di co-design per l'healthcare	Event during the maker faire in Rome	https://2019.makerfaireroma.eu/it/espositori/?ids=651	2020-10-18/20	Rome	Organizing a con	Italy	Makerfaire	18				1	1		OD TOG Antonio Garosi, Alberto Ornaghi, Tiziano Berti, Enrico Bassi, Pietro Crisanto

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WP5 (Communication, Dissemination)	Made4You representation by
Embassy of Health - Dutch Design Week 2019	Exhibition of MakeHealth, with Careables of Lightup Cane, Speculum and Odyschrijf	https://waag.org/en/node/6293	2020-10-19/27	Eindhoven	Exhibition	Netherlands	Dutch Design Foundation	70000						1	Waag, Paulien Melis, Sanne Muiser Careables-initiators: Debby Marchena & Alle van Meeteren
Exhibition Nepal			2020-11-20 - 2020-12-20	Kathmandu, Nepal	Exhibition	Nepal	Nepal Communitere								GIG
Exhibition Singapore			2020-11-20-22	Singapore	Exhibition	Singapore	Engineering Good								GIG
Exhibition Santos			2020-11-27 - 12-11	Santos, Brazil	Exhibition	Brazil	Istituto Procomum								GIG
CO-DESIGN E TECNOLOGIA: I NUOVI STRUMENTI PER INNOVARE L'HEALTHCARE: open day at opendot	Open day at Opendot during Manifatture Aperte, which celebrates urban manufacturing	https://www.manifattureaperte.it/esperienza/co-design-e-tecnologia-i-nuovi-strumenti-per-innovare-lhealthcare/	2020-11-29/30	Milano	Exhibition	Italy	Manifatture aperte	10		1					OD alberto ornaghi, alessandra laterza
Manufacture 4.0 - exhibition - co-design method for health and care	Exhibition in the main venue during Manifatture Aperte event	https://www.facebook.com/opendotlab/photos/pcb2640309316030761/2640304939364532/?type=3&theater	2020-11-29/30	Milano	Exhibition	Italy	Manifatture aperte	250						1	OD alessandra laterza
Maker Faire Rome- The European Edition	MakerFair Event for technology enthusiasts, digital artisans, schools, universities, trainers, research centers, artists, students, businesses, curious and enthusiasts of all ages for collaboration.	https://makerfairrome.eu/en/	2020-12-10/13	Online	Participation in a	Italy	Maker Faire Rome promoted by R	tdb (not done yet)							OD
Exhibition Fablab Oberland			2020-12-14- 2021-01-15	Gmund am Tegernsee, Germany	Exhibition	Germany	Fablab Oberland								GIG
Hospital and Rehabilitation Center for Disabled Children (HRDC)	Worked with hospital staff on supporting them with troubleshooting and enhancing 3D Printed products for their patients/clients.		23.10.19 08.11.19	Banepa, Nepal	Training	Nepal	Nepal Communitere & Field Ready	2			1	1			GIG
Careables Moving Exhibition Olinda		https://www.careables.org/event/careables-moving-exhibition-beta-edition-at-olinda-northeast-brazil/	23/11 - 04/12, 2020	Olinda	Exhibition	Brazil	Casa Criatura	100	1						GIG Ricardo
36C3 Chaos Communication Congress	Cadus and gig presentation, as part of the Open Infrastructure Orbit: fair booth, presentation with livestream, ...	https://www.careables.org/event/the-36th-chaos-communication-congress-36c3/	27-31 december, 2019	Messe-Allee 1, Leipzig	Participation in a	Germany	Chaos Computer Club	100					1	1	GIG Sandra
Open Health HACKademy#2	A 10 Day Program for Students, Makers, Healthexperts and people in need for Careables. The Scope is to co-create and share Careables in a user centered approach in interdisciplinary Teams	https://matchmymaker.de/open-health-hackademy-3/	27.09. until 6.10 2019	TU Berlin	Training	Germany	Prototypes, be able e.V.,	24			1	1			Prototypes, Sandra (GIG)
Co-design and share solutions that help people with disabilities / Fab 15	Event during Fab 15	http://fab15.fabevent.org/	29 july 2019	ElGouna	Organizing a wor	Egypt	FAB 15	50			1			1	OD waag Enrico Bassi and Rutger Oomkes

Title of event	Short description	Link	Date	Location	Type of Event	Country	Host / Organisation	Participants	COVID-19 related activities	OPEN DAYS WP1	WORKSHOPS WP1	EDUCATION / TRAINING	MAKER GATHERING WP1	PRESENTATION WP5 (Communication, Dissemination)	Made4You representation by
Opendot and healthcare/case study / Summer school	OD healthcare projects presentation to the students of the Politecnico Summer school	http://phd.design.polimi.it/phd-summer-school-2019/	3 July 2019	Milano	Participation in a	Italy	PHD in Design	30					1		OD Enrico Bassi
User centred design healthcare	2-days conference about the latest projects on UX design on healthcare	https://uxhealthcare.co/2019/	4-6 July 2019	Amsterdam	Participation in a	The Netherlands		45						1	OD Alessandro Masserdotti
Careables Track at DOTS – The Impact Summit	At DOTS, we want to show the open source hardware "Life Sensor" by Cadus to GIG members, check it's preparedness for local use cases, try the reproducibility and work on the next iteration of the prototype: a custom circuit board that reducing the size and the error-proneness of the unit while keeping the parts modular.	https://www.globalinnovationgathering.org/dots/	5-6 December, 2019	Nakuru	Organizing a wor	Kenya	Global Innovation Gathering, r0g agency, Cadus e.V.	8			1		1		GIG Sandra
European Citizen Engagement and Deliberative Democracy Festival	The festival will first and foremost support on-going Commission citizen engagement initiatives. It is a site of mutual learning and capacity building.	https://academy.europa.eu/local/academic/pages/course/overview.php?id=124	6.-12.12.2020	online	festival and learning and capacity building event	Europe	European Commission					1			video submitted to the festival by Barbara (ZSI)

Social media engagement report - Careables - Nov 2020

Platforms

Twitter: @careablesorg

Facebook: Careables

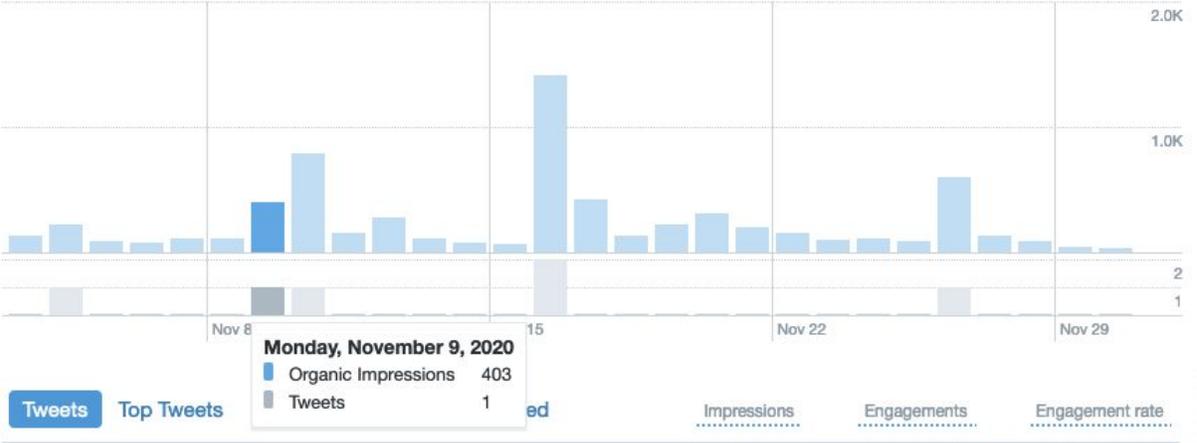
Instagram: @careables

Twitter

Highlights

	@careablesorg
Followers	391
New followers	12
Tweets	7
Impressions	6937
Profile visits	154

Your Tweets earned **6.8K impressions** over this **28 day** period



Top tweets

	Tweets	Top Tweets	Tweets and replies	Promoted	Impressions	Engagements	Engagement rate
	Careables.org @CareablesOrg · Nov 16				1,384	15	1.1%
	Event: Careables Exhibition When: 20th Nov- 20th Dec 2020 Where: Kathmandu, Nepal Hosted by: @nepalcomm facebook.com/events/3733498... pic.twitter.com/ki0p3b9gWU						Promote
	View Tweet activity						
	Careables.org @CareablesOrg · Nov 9				1,232	23	1.9%
	1 more week to support @glifo_tool on @kickstarter! Help a child leave their mark by donating <3 <3 <3 (link on @glifo_tool bio) @opendotlab @wearegig @matchmaker #opensource #disability #Careables pic.twitter.com/G8bctP2vDc						Promote
	View Tweet activity						
	Careables.org @CareablesOrg · Nov 26				467	18	3.9%
	Happening now & just starting! Join the #AMG2020 on Makerspaces in Africa, the #Careables exhibition & workshop by our wonderful partners of @KumasiHive: twitter.com/AM_Gathering/s...						Promote
	View Tweet activity						
	Careables.org @CareablesOrg · Nov 16				463	6	1.3%
	[Deutsch] Ihr habt etwas aus #Bioplastik hergestellt? Einen nachwachsenden Ersatz für Einwegplastik entwickelt? Reicht es noch bis zum 30.11. beim @w_jahr Wettbewerb ein: wissenschaftsjahr.de/2020-21/meine-... Unser Artikel zu Bioplastik & #Corona inkl. Rezept: careables.org/story/biotex-d... #biotex						Promote
	View Tweet activity						
	Careables.org @CareablesOrg · Nov 9				348	7	2.0%
	This digital stethoscope by @BYU professors Craig Nuttall and Chia-Chi Teng makes it possible to listen to the heart and lungs of their patients while standing up to 50 feet away. @MedTectales tectales.com/3d-printing/a-... pic.twitter.com/sYt67FNDQf						Promote
	View Tweet activity						

TWEET HIGHLIGHTS

Top Tweet earned 1,377 impressions

Event: Careables Exhibition
When: 20th Nov- 20th Dec 2020
Where: Kathmandu, Nepal
Hosted by: [@nepalcomm](#)
facebook.com/events/3733498...
pic.twitter.com/ki0p3b9gWU



🔗 3 ❤️ 2

Top mention earned 44 engagements



Wevolver
[@WevolverApp](#) · Nov 2

Glifo is a 3D printed custom aid that helps children with disabilities achieve autonomy in writing and drawing. Check out the [#Kickstarter](#) here:

kickstarter.com/projects/opensd...

[#3dprinting](#) [#3dprinter](#) [#healthcare](#)
[@opensdotlab](#) [@CareablesOrg](#)
pic.twitter.com/EmY0sdDS6W



🔗 3 ❤️ 8

Top media Tweet earned 1,185 impressions

1 more week to support [@glifo_tool](#) on [@kickstarter](#)! Help a child leave their mark by donating <3 <3 <3 (link on [@glifo_tool](#) bio)

[@opensdotlab](#) [@wearegig](#)
[@matchmaker](#)
[#opensource](#) [#disability](#) [#Careables](#)
pic.twitter.com/G8bctP2vDc



🔗 4 ❤️ 2

Top Follower followed by 2,248 people



Julien Hering PhD
[@jullen_hering](#) FOLLOWS YOU

CEO [@TreeOfScience](#) digital acceleration of scientific research [#openscience](#) [#science2dot0](#) - Advisor [@scienceroot](#) <https://t.co/QIB61TcCeP>

[View profile](#)

Instagram

	@careables
Followers	425
Gender	50% women, 50% men
New followers	20
Posts	9
Impressions (total number of times all posts have been seen)	2554*
Posts reach (unique accounts that have visited posts)	867*
Stories reach	264**
Stories impressions	340**
Profile visits	71

*Instagram now provides only upto 30 days of posts insights

**Instagram provides only upto 14 days of stories insights so these numbers are extrapolated from that

Last 30 Days ▾

Accounts Reached

867 accounts

+145.6% vs Oct 1 - Oct 30



Accounts reached from Oct 31 - Nov 29

Last 30 Days ▾

Account Activity 72

Profile Visits 71
-2.8% vs Oct 1 - Oct 30

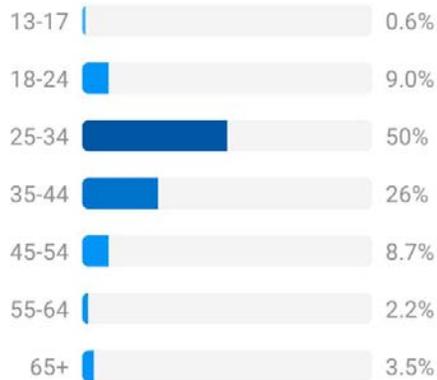
Website Taps 1
0% vs Oct 1 - Oct 30

Email Button Taps 0
0% vs Oct 1 - Oct 30

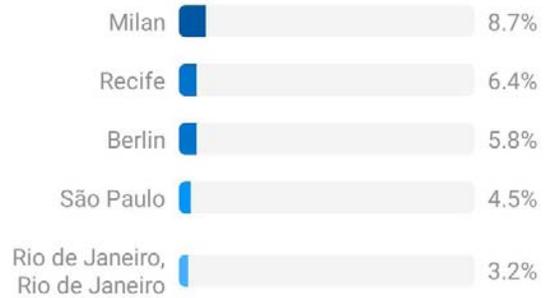
Impressions 2,554

+43% vs Oct 1 - Oct 30

Age Range All Men Women



Top Locations Cities Countries



Content Interactions

87 interactions

-17.2% vs Oct 1 - Oct 30

Post Interactions **80**
-8.1% vs Oct 1 - Oct 30

Likes 75

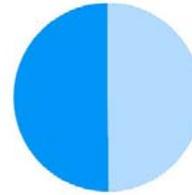
Saves 5

Story Interactions **1**
-- vs Oct 1 - Oct 30

Replies 1

IGTV Video Interactions **6**
-66.7% vs Oct 1 - Oct 30

Gender



50%
Women

50%
Men

Top posts

← Video

careables

View Insights Promote

78 views • Liked by kumasihive and saadcaffeine
careables It is impossible to eat all soup from plate

Post Insights

6	0	0	1
1	193		
Profile Visit	Reach		

Interactions ⓘ

← Post

careables

Post Insights

17	0	0	1
0	123		
Profile Visits	Reach		

Interactions ⓘ

← Photo

careables



GLIFO - The custom-made writing aid

A 3D printed custom aid that helps children with disabilities achieve autonomy in writing and drawing

OpenDot
First created · 0 backed

More

Post Insights

15	0	0	0
1	120		
Profile Visit	Reach		

Interactions ⓘ

← Post



nepalcommunitere

View Insights Promote

Liked by matchmaker and 13 others
careables It's happening! 🥰💕😊

#Repost @nepalcommunitere

Post Insights

14	0	0	1
2	120		
Profile Visits	Reach		

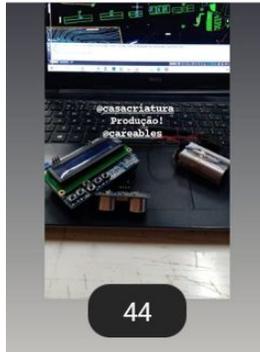
Interactions ⓘ

Stories

← Stories

Reach ▾

Last 14 Days ▾



Facebook

Highlights

	#
Page followers likes	674 616
New page followers likes	24 15
Gender	Men 57% Women 41 % n/a 3%
posts engagements (likes, shares, comments)	28
post reach	870
video views	50
page views	68

Top Posts

Published	Post	Type	Targeting	Reach 	Engagement
30/11/2020 13:38	 Did you happen to catchEngineering Good's			93 	7 3 
24/11/2020 16:44	 It's happening! 🤔💖😄 #Repost			79 	1 4 
17/11/2020 16:17	 If you're in Nepal, check out the Careables			20 	3 1 
13/11/2020 13:38	 We reached the goal!!! 🥳 🥳🥳 Thank you so much			685 	0 8 
10/11/2020 10:02	 1 more week to support GLIFO Kickstarter! Help a			37 	1 3 
09/11/2020 12:17	 This digital stethoscope by BYU professors Craig			46 	0 0 
04/11/2020 11:24	 It is impossible to eat all soup from plate with only			41 	2 0 

Top posts

We reached the goal!!! 🥳🥳🥳 Thank you so much to everyone who has donated and shared ❤️
 There are still 5 days to go and you still have the opportunity to help us get the #Glifo to as many kids as possible. Go to the link in our bio if you'd like to donate 🙌🌟
<https://www.kickstarter.com/.../glifo-the-custom-made-writing...>



GLIFO - The custom-made writing aid

A 3D printed custom aid that helps children with disabilities achieve autonomy in writing and drawing



OpenDot

First created · 0 backed

More

\$5,893 

pledged of \$5,885

149

backers

5

days to go

685

People reached

8

Engagements

Boost again

Boosted on 14 Nov 2020 Completed
By Mugs Gitau

<p>People reached 628</p>	<p>Post engagement 125</p>
----------------------------------	-----------------------------------

8 Reactions, comments & shares 

<p>5</p> <p> Like</p>	<p>5</p> <p>On post</p>	<p>0</p> <p>On shares</p>
<p>3</p> <p> Love</p>	<p>3</p> <p>On post</p>	<p>0</p> <p>On shares</p>
<p>0</p> <p>Comments</p>	<p>0</p> <p>On Post</p>	<p>0</p> <p>On Shares</p>
<p>0</p> <p>Shares</p>	<p>0</p> <p>On Post</p>	<p>0</p> <p>On Shares</p>

0 Post Clicks

<p>0</p> <p>Photo views</p>	<p>0</p> <p>Link clicks </p>	<p>0</p> <p>Other Clicks </p>
------------------------------------	--	---

NEGATIVE FEEDBACK

<p>0 Hide post</p>	<p>0 Hide all posts</p>
<p>0 Report as spam</p>	<p>0 Unlike Page</p>

Reported stats may be delayed from what appears on posts

Video details



Careables...

Did you happen to catchEngineering Good's (Singapore) Careables assistive tech exhibition? If not, you're in luck. Here's a short version of the guided tour of the exhibition. (The full 18min version is on their Facebook page 😊) #careables...

1:00 · Uploaded on 30/11/2020 · Owned · Appears once · View permalink · Copy video ID

Total video performance

🕒 Minutes viewed	10
👤 1-minute video views	3
👤 10-second video views	13
👤 3-second video views	33
📄 Average video watch time	0:08
📊 Audience retention	
👤 Audience and engagement	

This video is used in 1 post

Posts	Posted date	Estimated 3-sec video reach	Estimated 3-sec video views	10-sec video views	Unique 3-sec video views	Post engagement	Average video watch time
Careables Did you happen to catchEnginee...	30/11/2020 13:37	93	33 100%	13 100%	29	3	0:08 / 1:00

Total 3-second video views on Facebook: 33

Insights are recorded in the Pacific Time Zone and may not reflect the most recent data.

Create Watch Party with Video

Create Post with Video

Careables is in Kathmandu, Nepal.
Published by careables [?] · 6d · 🌐

It's happening! 🥳❤️🥳
#Repost @nepalcommunitere

...
A little sneak peek of the Careables Exhibition in Nepal happening at Nepal Communitere, Pulchowk! Come drop by at anytime between 12pm to 4pm from Monday to Friday and check out the amazing ways of innovation possible with digital design and manufacturing in the healthcare sector! Cheers to the amazing partners who made this possible: @field_ready and @careables

📍 nepalcommunitere

👍 **Get more likes, comments and shares**
When you boost this post, you'll show it to more people.

79 People reached **5** Engagements [Boost post](#)

👤 Careables, Mugs Gitau, Oliver Petzoldt and Ravin Rizgar

Performance for your post

79 People Reached

4 Reactions, comments & shares 📊

1 Like	1 On post	0 On shares
3 Love	3 On post	0 On shares
0 Comments	0 On Post	0 On Shares
0 Shares	0 On Post	0 On Shares

1 Post Clicks

0 Photo views	0 Link clicks 📊	1 Other Clicks 📊
----------------------	------------------------	-------------------------

NEGATIVE FEEDBACK

0 Hide post	0 Hide all posts
0 Report as spam	0 Unlike Page

Reported stats may be delayed from what appears on posts

n

Appendix

[Careables social media strategy and content plan](#)

[D 5.1 careables deliverable communication](#)

Hardware for healthcare

Platform that enables citizens to co-design and deliver people-centered health products through means of digital fabrication.

Please take your time to understand how it is applied so that it will always appear in a clear and consistent way.

Following pages outline a few simple rules about our brand.

Logotype — 06
Symbol — 10
Typography — 12
Colors — 13
Social Networks — 14

Content

These guidelines have been created to help other parties understand how to use careables brand.

careables provides citizens
possibility to co-produce
healthcare solutions that
improve the
quality of life.

The careables platform supports the connection made between users, healthcare professionals and makers to start the co-production of healthcare solutions.

izens with the
t custom-made
at improve their

Content

These guidelines have been created to help other parties understand how to use careables brand.

Logotype

Official logo

The careables logotype is the most important element of our visual identity. It is the visual embodiment of the brand that people will instantly come to recognise and associate with careables project.

This logo is to be used for all printed collateral including all printed publications, advertising, billboards, posters, flyers and product packaging.

This is our logo to be used for all screen work, including websites, banners and presentations. Both these logos are available in a negative version.

The logo for careables, featuring a stylized blue icon of three horizontal bars of varying lengths on the left, followed by the word "careables" in a bold, lowercase, sans-serif font.



Spacing

Logo Spacing

Always leave the logo some space to breathe. Use white or neutral backgrounds.



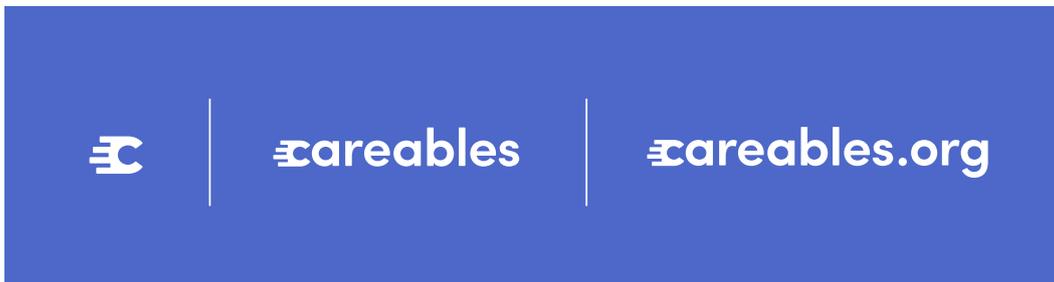
Versions

Responsive Logo

A responsive logo is the term given to a primary logo that exists in several, slightly different and easily scalable variations. The need for flexible/ responsive logo design has grown with the demands of a digital environment.



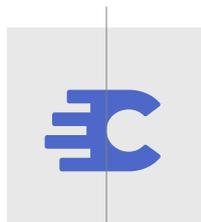




Symbol

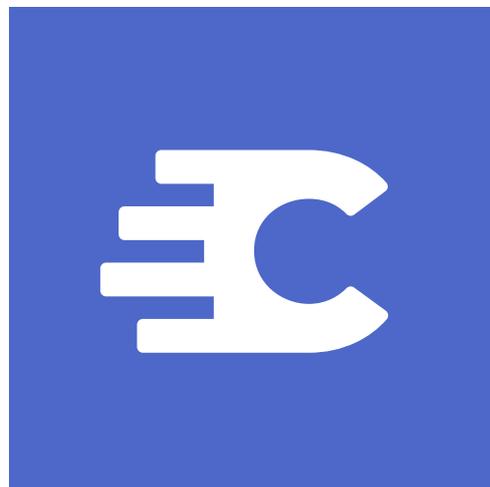
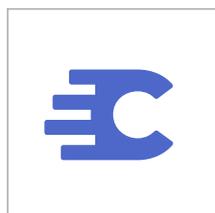
Logo Construction

The symbol will be always used when



Center alignment

Positive Version





Chivo

fonts.google.com/specimen/Chivo

Light

Light Italic

Regular

Regular Italic

Bold

Bold Italic

ABCDEFGHI-
JKLMNOPQRS
TUVWXYZ

abcdefghi -
jklmnopqrstu
vwxyz

Primary color

Pantone 2726 U	C: 62% M: 48% Y: 0% K: 2%	R: 77 G: 104 B: 200	#4D68C8
----------------	------------------------------------	---------------------------	---------

Secondary colors

Pantone 2915 U	C: 67% M: 25% Y: 0% K: 7%	R: 77 G: 178 B: 236	#4DB2EC
Pantone Cool Gray 4 C	C: 34% M: 0% Y: 4% K: 0%	R: 176 G: 242 B: 247	#A6F2F7

Social Networks

careables symbol
Beside the content we will use the symbol of careables as icon for all the social networks platform.



careables Design Challenge



How might we be able to implement careables as a sustainable service for supporting the co-creation of open health & care worldwide?

[careables](https://careables.org) is a mixed community of people and organisations committed to the co-design and making of open, personalised healthcare for everyone, born from the EU-funded collaborative H2020 project Made4You. The project follows a participatory approach in its citizen innovation approach to co-design and produce customized healthcare solutions. Data scientists, social scientists, people with special healthcare needs and their carers, designers and makers, healthcare specialists and privacy lawyers all join forces in Made4You to prepare a future where open personalised DIY healthcare solutions can become an accepted reality in our society.

The project organises co-design sessions and training courses where personalised health and care challenges are addressed. This has already led to over 100 careable designs that are documented and shared as open source solutions on our documentation platform welder.app/careables

With careables we want to make a difference to health and social well-being. As a reaction to the current pandemic crisis we have also been collecting, documenting and sharing information and open source solutions to fight COVID-19. The pandemic has starkly shown the risks and limits of relying solely on centralized large corporations and governments, and therefore has set off an unprecedented interest in local, distributed, and openly accessible design and manufacturing to solve the massive unmet needs that have surfaced during the crisis.

We are looking for innovative social business models to sustain our services and make careables a worldwide service to support the co-creation of open health and care solutions.

REPORT

REAL WORLD CASE STUDY

careables



Felix BLANK

Michael DOBESBERGER-HOFER

Georg FUCHS

Manuel KERN

Caroline KOREC

Gloria PÖTZ

PROJECT SPONSOR: Center for social Innovation

List of content

<u>LIST OF CONTENT</u>	II
<u>LIST OF ILLUSTRATIONS</u>	IV
<u>LIST OF TABLES</u>	V
<u>LIST OF ABBREVIATIONS</u>	VI
<u>1 DESIGN CHALLENGE</u>	7
1.1 WHAT IS CAREABLES.ORG?	7
1.2 RESEARCH PLAN	9
<u>2 THE PROCESS</u>	10
2.1 PROBLEM SPACE	11
2.1.1 UNDERSTAND	11
2.1.1.1 Careables User Journey	12
2.1.1.2 Desktop Research – Facts & Figures	12
2.1.1.3 Design Charette	14
2.1.1.4 Stakeholder Mapping	14
2.1.2 OBSERVE	17
2.1.3 SYNTHESIS	22
2.1.3.1 Personas	22
2.1.3.2 Point of View	28
2.2 SOLUTION SPACE	30
2.2.1 IDEATION	30
2.2.1.1 Silent Brainstorming	30
2.2.1.2 Clustering & first Assessment	31
2.2.1.3 Re-Iteration & second Assessment	32
2.2.1.4 Ranking & Final Step	32
2.2.2 PROTOTYPING	34

2.2.2.1 Paper Prototypes	34
DEVELOPMENT OF A STANDARDIZED WORKSHOP	34
ESTABLISHING A "NATIONAL CHAPTER	35
KICK-OFF EVENT.....	36
2.2.2.2 Storyboard & Video.....	37
2.2.3 TESTING.....	38
2.2.3.1 MAKERS – Create a National Chapter	39
2.2.3.2 MEDIA – Become a Partner.....	40
2.2.3.3 FINANCIERS – Make it happen.....	42
2.2.3.4 Evaluation of Feedback & Re-Iteration	44
<u>3 LEARNINGS & CONCLUSION</u>	<u>45</u>
3.1 CAREABLES DESIGN CHALLENGE	45
3.2 PROCESS DESIGN CHALLENGE	46
<u>REFERENCES</u>	<u>48</u>

List of Illustrations

Figure 1: design-thinking process, source: own illustration	10
Figure 2: problem space, source: own illustration	11
Figure 3: user journey, source: own illustration	12
Figure 4: Summery of Facts & Figures, source: own illustration	13
Figure 5: design charette, source: own illustration	14
Figure 6: stakeholder identification, source: own illustration	15
Figure 7: interest-influence matrix, source: own illustration	15
Figure 8: 3 segments, source: own illustration	17
Figure 9: user, Stefan Starke, source: own illustration	23
Figure 10: case & care manager, Doris Dolent, source: own illustration.....	24
Figure 11: specialist supervision, Ursula Mayer, source: own illustration	24
Figure 12: insurance agent, Siegried Sicher, source: own illustration.....	25
Figure 13: civil cervant, Gustav Gans, source: own illustration.....	26
Figure 14: CSR Manager, Martin Müller, source: own illustration	26
Figure 15: individual donor, Carola Cari-Tass, source: own illustration	27
Figure 16: Maker, Bast Lehr, source: own illustration	28
Figure 17: solution space, source: own illustration.....	30
Figure 18: silent brainstorming, source: own illustration	31
Figure 19: clustering, source: own illustration	32
Figure 20: Ranking 1-3, source: own illustration	33
Figure 21: Ranking 4-6, source: own illustration	33
Figure 22: standardized workshop, source: own illustration.....	35
Figure 23: national chapter, source: own illustration	36
Figure 24: kick-off event, source: own illustration	37
Figure 25: screenshot video careables, source: own illustration.....	38
Figure 26: map with makerspaces, source: own illustration.....	39
Figure 27: feedback grid, source: own illustration	44

List of tables

Table 1: Analysis criteria table, source: own illustration	16
--	----

List of abbreviations

DIY – Do it yourself

POV – Point of View

TT – Tiroler Tageszeitung

1 Design Challenge

Our Design Challenge was provided by the Centre for Social Innovation (ZSI) and prescribed as follows:

How might we be able to implement Careables as sustainable service for supporting the co-creation of open health & care worldwide?

Careables has been managed by an Austrian, German, Dutch and Italian consortium. The following organizations were part of the consortium:

- Center for social Innovations – Austria (Vienna)
- GIG, Global Innovation Gathering – Germany (Berlin)
- Prototypes – Germany (Berlin)
- OpenDot – Italy (Milan)
- Waag – Netherlands (Amsterdam)
- Wevolver – Great Britain (London)

The project follows a participatory approach, to co-design and produce customized healthcare solutions. Data scientists, social scientists, people with special needs and their carers, designers and makers, healthcare specialists and privacy & intellectual property lawyers all join forces in Made4You to prepare a future where open personalized DIY (Do It Yourself) healthcare solutions can become an accepted reality in our society. Careables was funded by an EU grant until 31st Dec 2020. The challenge now is to develop new ways of running and expanding the Careables platform in the long term. It was also known that there will be changes within the consortium. The main responsibility moves from the Centre for Social Innovation to the GIG. Wevolver, OpenDot, Prototypes and Waag will remain part of the project, whereas the Center for Social Innovation will step out.

1.1 What is careables.org?

Careables is a mixed community of people and organizations committed to the co-design and making of open and personalized healthcare for everyone, born from the

EU-funded collaborative H2020 project Made4You. It is an open-source online platform that enables and promotes the exchange of innovative solutions for "health-related" needs worldwide. "Makers" develop solutions in the context of workshops or projects and then provide the "construction plan" free of charge to all others via the careables.org platform for reproduction. Careables is committed to responsible making and has defined a set of core principles:

- I. **Make things that make sense:** Create solutions that answer to real personal problems or needs.
- II. **Co-Design with others:** Make space for diverse skills, competences, knowledge, and experiences to merge and come to new and meaningful solutions.
- III. **Empower people:** Teach others so that everyone can become more technologically literate and see the potentials.
- IV. **Share How You Make:** Openly document the making of the project enabling its replication and choose the most appropriate licenses for your project.
- V. **Be aware of limits:** Consider any gaps of knowledge when you design for health and care, ask the people you design for and clinicians for support and feedback and follow quality and safety standards (careables.org, 2020).

1.2 Research Plan

2 The Process

“Designing means *THINKING & MAKING* at the same time”

Design Thinking: Creates innovative solutions for complex problems by combining the right people, the needed space and a supporting (iterative) process. The double diamonds are divided into two areas: the *problem space* and the *solution space*.

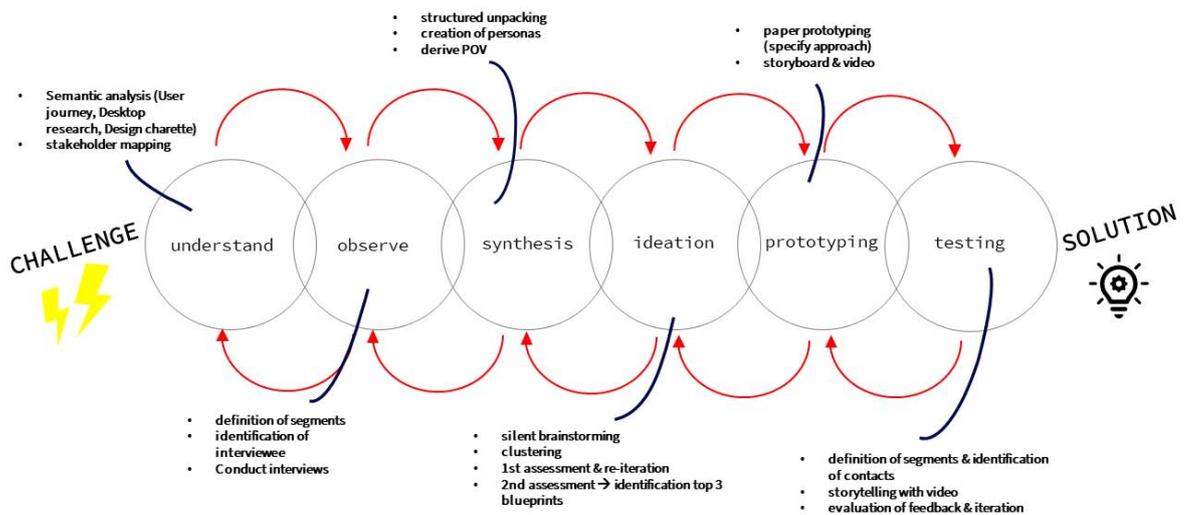


Figure 1: design-thinking process, source: own illustration

2.1 Problem Space

The first diamond problem space is categorized into understand, observe and synthesis. The explanations for each category follow on the next pages.

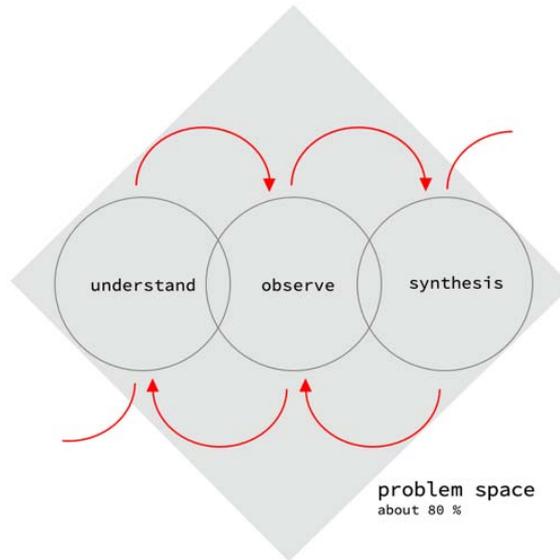


Figure 2: problem space, source: own illustration

2.1.1 Understand

We started the process creating a better understanding of the task or challenge we must work on. Although talking the same language, do we share the absolute same semantic understanding? Each member of our project group shared his or her view of the challenge we have to meet and what the goals are. Once everybody had outlined her/his initial thoughts we - as a group - discussed and formulated the mutual understanding of our design challenge:

How might we **ensure continuous financing of careables.org to secure the sustainable continuation** after the EU funding expires on 31st Dec 2020?

New health tools for life-threatening diseases must be developed as global/local public goods - Nandine Mowoh, Researcher- Open Bioeconomy Lab/Mboalab, Cameroon

The part of understanding the challenge as well as the project environment was resumed by the identification of the standard customer journey of a Careables user, an extensive desktop research of the overall project background and the creation of a respective design charette. The stakeholder analysis - which has been compiled during an extra course of the semester – concluded the first step of our design challenge.

2.1.1.1 Careables User Journey

By creating a user journey, the problem definition should be simulated once again by a sketched story and thus the user requirements should be clearly shown once again. Within the design charette, we identified our three main segments, which were later the basis for the choice of interview partners.

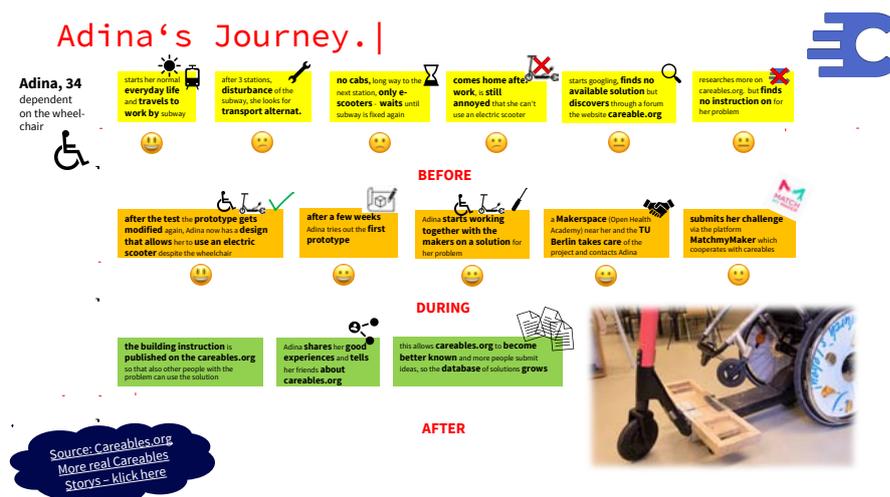


Figure 3: user journey, source: own illustration

2.1.1.2 Desktop Research – Facts & Figures

The following chapter shows the results of the desk research and underlines the necessity of projects such as Careables. According to the WHO, approximately 15% of the world's population lives with some form of disability. By 2050, there will be more than two billion people worldwide who will have to live with a limitation. This global estimate for disability is increasing due to population aging and the rapid in-

crease in chronic disease, as well as improvements in disability measurement methods. Looking at the 16+ population in the EU-28, about a quarter have limitations in usual activities due to health problems. If we look at Austria, 18.4% of the population lives with some form of disability. Disabilities are often associated with high costs for those affected and their families. According to the WHO Report of Disability the extra costs for disability in the UK range from 12 % to 69 % in Ireland 20% to 37 % or in Bosnia approximately 14 % of income depending on the duration and severity of disability. Almost all countries worldwide also have some form of public programs targeted at persons with disabilities, however in poorer countries these are often restricted to those with the most significant difficulties in functioning. In addition to these direct costs, indirect costs are also incurred, such as social isolation, lost labor productivity or the loss of productivity from insufficient investment in educating disabled children. All these facts show the need for open-source solutions in the healthcare sector. The need in developing countries for open-source solutions in healthcare is very high, but there is also a demand in developed countries. Careables tries to address both parties. In October 2020, Careables.org had 132.376 pageviews. (WHO, 2011)

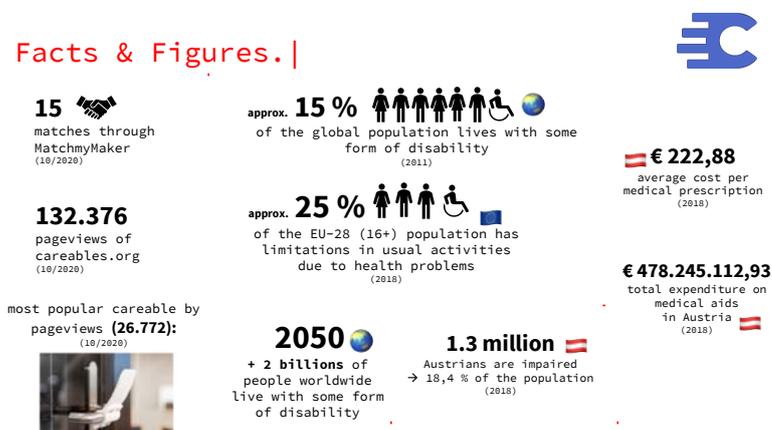


Figure 4: Summary of Facts & Figures, source: own illustration

2.1.1.3 Design Charette



Figure 5: design charette, source: own illustration

2.1.1.4 Stakeholder Mapping

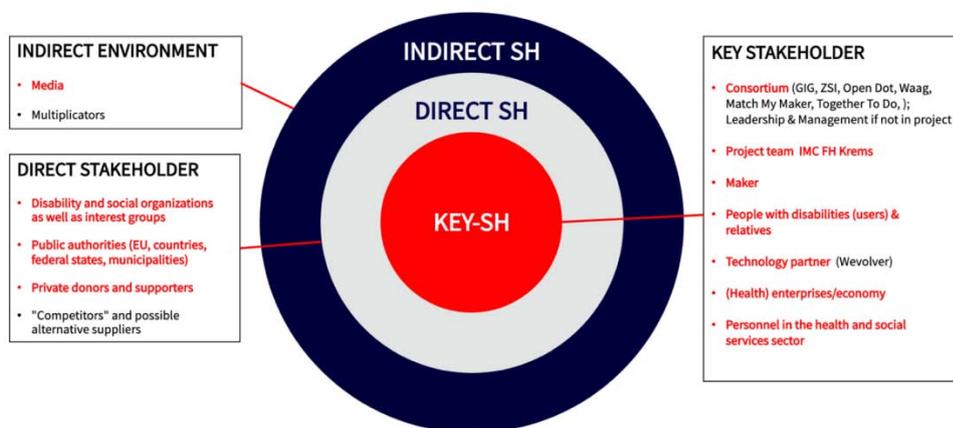
For the creation of the stakeholder map, we considered as a team in advance which person or groups belong to the key stakeholders as well as the direct and indirect stakeholders.

We defined the consortium as **key stakeholders**, consisting of those persons (or organizations) who were involved in the lead or co-lead of the EU project, the IMC project team, the makers, the users (people with disabilities), Wevolver (partner who is/was responsible for the technological implementation) as well as people from the social and health care sector.

Associations and organizations that are in direct contact with people with disabilities were considered as **direct stakeholders**, as they also have a direct network to the “users”. Public institutions such as multipliers (EU, states, federal states, municipalities) as well as individuals (donors, supporters) were also seen in this field. Finally, "competitors" or possible other providers were also included in the category of direct stakeholders.

Further undefined multipliers as well as the media were assigned to the category of **indirect stakeholders**.

Identification & Classification of the Stakeholder Landscape.



In a final step an analysis criteria table was created. For this purpose, the individual stakeholders were analyzed in more detail – among things like the relationship, the influence, the interest, the obstacles and the support were discussed here.

Using the example of the stakeholder “consortium”, the following points were analyzed: There is a close relationship with the consortium or individual members, and since they themselves have a high level of interest, it makes sense to exchange information regularly. The influence is very strong, and the interest is high. The local distance between the consortium partners as well as language barriers and other interests (for the partners after the end of the project period in 2021) were identified as obstacles. The interest in the project, the cooperation and the exchange of information were seen as beneficial.

Table 1: Analysis criteria table, source: own illustration

Stakeholder	Relationship	Influence	Interest	Obstacles	Encourages
Members of Consortium	Close relationship, main contact partner Same interests, constant exchange	strong	high	Distance, language, lack of knowledge, other needs/expectations/goals	Common interest/project, cooperation Exchange of information
Supporters, private donors	Social commitment, possibly private concern Helper syndrome	strong	high	Expectations too high, distance, language	common interest/project, cooperation Exchange of information
Staff in Health & Social Services	distanced, positive	low	high	lack of competence, lack of knowledge no patent solution, lack of know-how	Facilitation of work, individual solutions Contact with affected persons and relatives
Disability and social organisations Advocacy organisations	Concernedness, social engagement, informal	low	high	low awareness, no patent solution lack of competence, too little impact	Facilitation of everyday life, contact with the community Individual solution, existing know-how (e.g. needs)
People with disabilities & their families	High level of involvement, emotional relationship, informal	low	high	low profile, fear of loss of anonymity, lack of self-confidence, expectations too high	Personal involvement, individual solution, facilitation of everyday life, fulfilment of needs
Makers Spaces	High dependency, social commitment friendly relationship	strong	low	lack of return, unclear maker scene, too little support (e.g. financial)	Social commitment, know-how intrinsic motivation
Technology providers (Wewolver)	high dependence, no future relationship	strong	low	Financial, conflict of interest, new business path	know-how, relationships, network
public authorities (EU, countries, states, municipalities)	formal, neutral	low	low	Not scalable, too individual, low output for the masses	Strengthening of inclusion, competence expansion Support for carers and those being cared for
Health care institutions & Medical device manufacturers	neutral, distanced, uninfluenceable	low	low	Lack of interest, lack of profit, no mass solution	CSR, social impact, financial ulterior motive (profit)
Media	distanced, uninfluenceable	not clearly assignable	low	lack of awareness of the project hardly any media presence	Social commitment, market niche, internal concern

As mentioned before, the distribution of the stakeholder became clearer during the project phase and it became apparent which stakeholders were really interested and influential. Based on the first stakeholder map and a lot of interviews, it was then easier to make changes to the original stakeholder map and subsequently to create the personas.

2.1.2 Observe

After having fully understood the task and environment of our design challenge it was time to start to talk to people and stakeholder to widen the problem space. In the synthesis phase subsequent to this observe period, we finalized the problem space by deriving respective personas and complete our point-of-view.

In the course of the research and through the information created in the interviews with the consortium, the following three project segments were defined: **Beneficiaries, Financiers and Makers**.

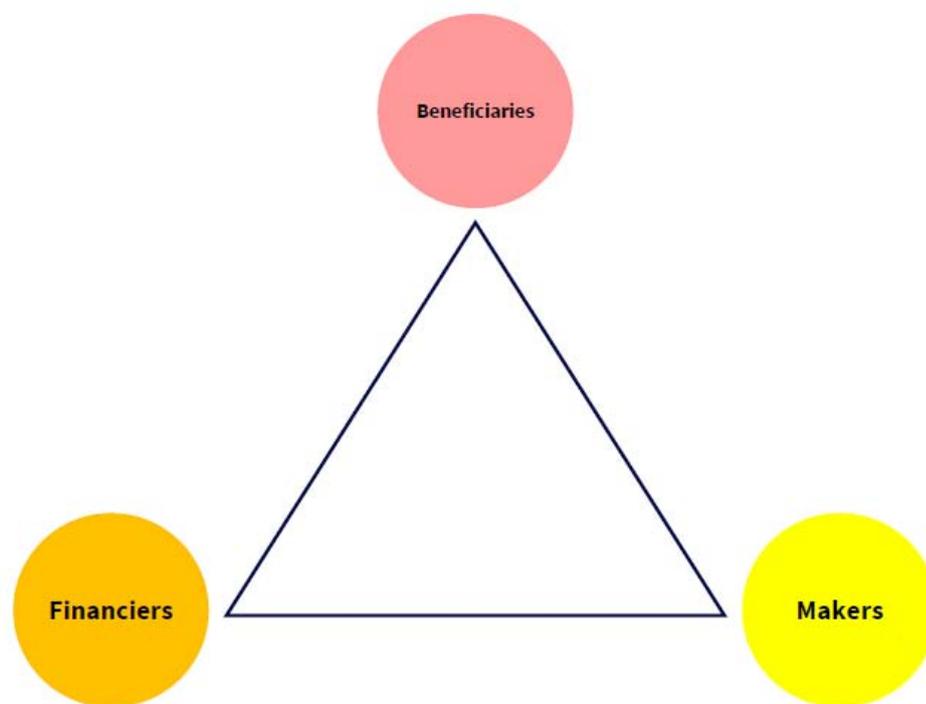


Figure 8: 3 segments, source: own illustration

Beneficiaries are those people who profit from the project Careables, such as users or health care professionals. **Financiers** are those stakeholders who are supposed to support the project financially in the future. Examples are the public sector, the health care industry, insurance companies and institutional or individual donors. **Makers** work in so-called fab labs and design new Careables in a co-design process. To create the personas, interviews were conducted with eight segment sub-groups. In total more than **25 interviews** were held via telephone or video telephony. Most of the respondents live and work in Austria. Therefore, the statements,

especially in relation to the health and social sector, refer to the Austrian system. Each one of the interviews was summarized using the following categories: (1) *Who we met*, (2) *what they told us* and (3) *unexpected findings*.

Beneficiaries

In total **8 beneficiaries** from users to physicians were interviewed over a few weeks where we already identified central findings such as a lack of knowledge about Fab-Labs in general. Nevertheless, the Careables project was well received and interviewees were very positive about.

Who we met



Andreas, 35, mobility impaired (car accident)

What they told us

Unavailable solutions is an issues

Careables is definitely something he would ask for help

Willingness to pay for careables solution

Unexpected Findings

If looking for aides, Amazon first, orthopaedic technicians at his rehab hospital second



Recep, 40, high paraplegia (swim accident)

Not many potential solutions due to degree of impairment

Exchange with other handicapped via facebook

Aides are usually paid by insurance except luxurious solutions

No institutionalized support or communication about aides

Would love to have a wheelchair which can climbing stairs. Swiss solution available for 33K and delivery times of 1y+



Gertrud, 48, Sales Manager, Small Medical Store

Likes the idea of careables and would like to participate if possible

Forward customer requests to manufacturers, only sell

Customer only come if payment is clear

There are bigger medical houses which run own workshops;



Gerhard, 55, Trainer Special Needs Team

Haven't heard about careables before

Interesting idea not only for HCP also for volunteers working with people with special needs

Financing must be clear, unclear path to careables

Stopped to work on solutions by himself cause of an accident with one of his solutions



Christian, 48, aides consultant

Provides information and aides for impaired

Screens the market for available solutions and offers to test solutions before purchase

Focus on communication solutions and access to IT

Only a tiny fraction of the requests can't be served . In caese they need help they work together with **FH Technikum**

Coordinates finance mix to get expenses covered for users



Dominik 42, discharge manager

Could imagine to integrate the information into the communication process

Would like to participate and tell people about the project

Cannot influence price decisions but could higher the degree of awareness

There are many competitors - the affected play an important role



Chantal, 31, nurse

Has never heard of it before - but like the idea

Has discussed the issue intensively with other nurses

Too bad that it's not more famous - would appreciate a stronger social media appearance

Is highly interested and has already done some online research



Lukas, 29, physiotherapist

Think it's questionable, that it provides only individual solutions

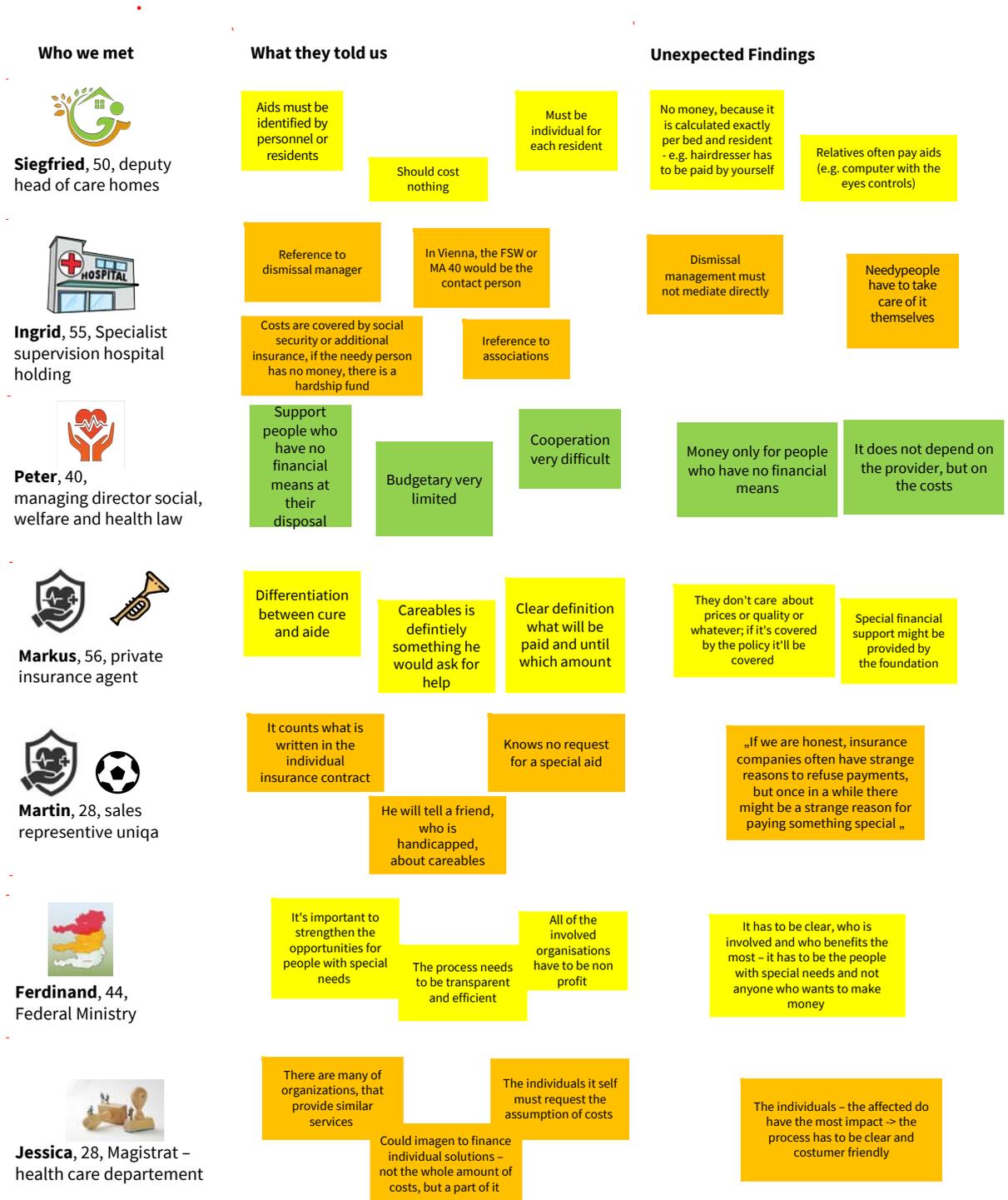
Think's it's not easy for the affected to get in contact with the makers

Does already have a cooperation with competitors

Negative mindset- Does not see the value of the project and he is not easy to convince

Financiers

14 interviews with potential financiers were conducted to get a better understanding of the overall financial environment of our project. This included representatives from the public sector as well as from private organizations. We also specifically focused on the motivations and incentives of individual donors.



Leo, 56, Managing Director,
Board Member

Very interesting project, haven't heard about it before,

Believes that CSR managers have no interest here

No longer corresponds to the current understanding of CSR, would better suit for marketing

To better specialize in foundations or social impact funds

Andreas, 47, CSR Manager

Different focus possible for CSR (mostly ecological or social)

CSR as a corporate philosophy

Workshops are a good opportunity for marketing events

Today's companies develop their own ideas and projects and, in terms of CSR, do not "buy in" from outside

Kurt, 53, Member of the Executive Board, CFO/CRO

Really nice idea

Project must be in line with the company's CSR philosophy

Current unclear situation of careables probably keeps potential investors away

Finds the idea of workshops for companies great as employee events or marketing events

Would think more about selling workshops to companies than about sponsorship based on CSR

Franziska, 25
Sales Manager in an international company, single, likes to travel, lives in a metropolitan area,

Very interesting project

Haven't heard about it before,

Would donate for a kit, as this way she knows what she has donated for her money

Donates only sporadically

She does not care whether her donation benefits people, the environment or animals

Julia, 40, Secretary, likes cycling, sustainability is important, in a relationship, lives in a city,

Donate for projects with Impact

regular donor

Finds the idea that there are individual solutions brilliant

would also tell friends about the project

Might be influenced by advertising via social media

Linus, 30, Nurse but in the strategic area, Lives in the countryside, Traditional,

Very interesting project but see it critical

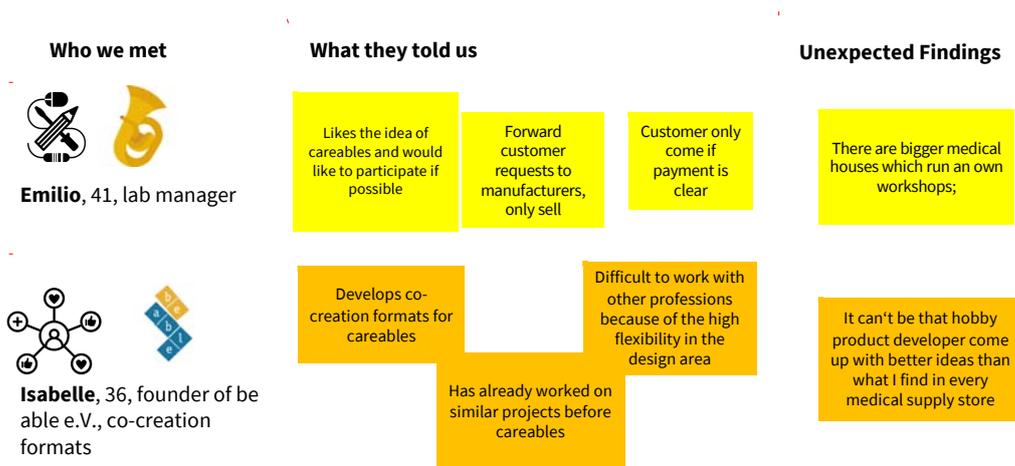
Sees it more as a business model

Would donate, if one can choose the beneficiary

Has a disabled cousin and therefore an emotional connection to the project

Makers:

Finally, we also didn't miss – in addition to the members of the Careables consortium – to talk to two makers and/or owners of so-called Fab Labs. The reason why the number of makers seems to be comparably low to beneficiaries and financiers is due to the fact that Careables has been initiated and is still driven by major representatives of the maker scene in several European countries. As outlined above we were able to talk to all of them at the beginning of our journey and therefore refrained from meeting multiple "external" makers.



2.1.3 Synthesis

In this phase the meanings are extracted from the findings or attempts are made to understand them in a new way. Transdisciplinary is enabled by the team, as well as an opening of spaces takes place.

As mentioned already above, the findings of the interviews have been structured and divided into three subgroups to enable a **structured unpacking**:

1. Who we met?
2. What they told us?
3. Unexpected Findings

2.1.3.1 Personas

Based on this structure we were able to identify and define personas within the initially defined segments - beneficiaries, financiers and makers.

2.1.3.1.1 Beneficiaries – User

To create the user persona, two individuals with disabilities were interviewed. Both persons have physical limitations and did not yet know Careables. They told us that

they often exchange views with the community. And sometimes the medical supplies they would like to have are too expensive or not available on the market. With all the information from the interview, the persona “Stefan Starke” was created.

Stefan Starke

37, User

"Amazon is my first location to look for solutions, followed of the orthopedic technicians of my rehab clinic"

- **Demography:** male, married, 2 kids, civil servant
- **Behaviors:** like to be included as best as he can into a traditional non-disabled life-style in particular with his family; likes to travel, drive his 3-wheel motor bike and to cheer for Borussia Dortmund
- **Personality:** traditional & sometimes conservative, interested in other cultures, sociable, helpful
- **Needs:** different to other persons with higher disabilities his needs are very specific; little things to increase quality of life and simplify family life
- **Thoughts about careables.org:** very positive; would use although Amazon might remain the first option
- **Financial interests in careables.org:** would pay at least a share of the costs for the solution



Figure 9: user, Stefan Starke, source: own illustration

2.1.3.1.2 Beneficiaries – Health Care Professionals

To define the needs and desires of health care providers we interviewed a nurse, a physiotherapist and a discharge manager. All three people work in the health care and social sector and have direct access to people with special needs. Common needs and thoughts on the project were that they would like to use and promote Careables but do not know how. It is not possible for them to invest directly into the idea. The core takeaways were to clarify the value of the project, to be aware of the competitors and to show in short terms how Careables works. Health Care Professionals could act as multipliers as well as financiers. With all the information generated through the interviews we created the persona below.

Doris Dolent

"I want to help to make this great project better known"

48, Case & Care Manager

- **Demography:** female, suburban, Commuter, Case & Care manager
- **Behaviors:** Hasn't got many friends, but a few very good friends, loves her work and is blessed by the feeling of helping people
- **Personality:** She is very engaged and motivated, decides carefully, how she spends her free-time and wants to see the value of activities
- **Needs:** She needs very strong friendships and a sense in life
- **Thoughts about careables.org:** She is very interested in the project and would like to help
- **Financial interests in careables.org:** Does not have an impact on the financing, but could make it more famous at work



Figure 10: case & care manager, Doris Dolent, source: own illustration

2.1.3.1.3 Financiers – Hospitals and Care Homes

To form this persona, we interviewed the deputy head of a care home, a supervision hospital holding specialist and the managing director of the social, welfare and health fund. They told us that for them it is not possible to finance aids for needy people. Especially nursing homes and hospitals do not have the resources to finance assistive devices. With all the information generated through the interviews we created the persona below.

Ursula Mayer

"I think this is a very good idea to help the needy, but we are not able to finance it directly."

41, Specialist Supervision

- **Demography:** female, in a relationship, 2 kids, Specialist supervision hospital holding
- **Behaviors:** likes good food & wine, interested in musicals, likes to spend time with her family
- **Personality:** open-minded, looks after family and friends, caring
- **Needs:** would like to get more involved in society, but is sometimes not in harmony with the family, safe employer, does not know the project yet
- **Thoughts about careables.org:** fantastic idea, but cannot finance the project directly
- **Financial interests in careables.org:** we are not able to finance careable directly



Figure 11: specialist supervision, Ursula Mayer, source: own illustration

2.1.3.1.4 Financiers – Health Insurances

As it is common in the public health sector, the cost of many assistive devices is covered by insurances. We therefore also asked insurance companies what they think about the financing of such special solutions. They clearly explained to us that an insurance company doesn't care which tool it finances. They reimburse any costs in case they are mentioned in the insurance policy.

Siegfried Sicher

44, Insurance Agent

"If we are honest, insurance companies often have strange reasons to refuse payments, but once in a while there might be a strange reason for paying something special "

- **Demography:** male, in a relationship, Employee at an insurance company
- **Behaviors:** likes to do sports, interested in culture, likes to spend time with his colleagues after work
- **Personality:** wants to make sure that his family and friends are well, open-minded, social
- **Needs:** safe workplace, more detailed information about the careables project
- **Thoughts about careables.org:** great idea, would use careables if needed, however he believes that it is difficult to finance such aids through insurance
- **Financial interests in careables.org:** aides are financed according the guidelines, no further funding available



Figure 12: insurance agent, Siegfried Sicher, source: own illustration

2.1.3.1.5 Financiers – Public Sector

To create the persona for the public sector, we conducted interviews with employees of the federal ministry and of the magistrate of health. For them transparency is the most important criterion. It must be clear who benefits and how the structures behind the project are set up.

Gustav Gans

36, Civil Cervant

- **Demography:** male, in a relationship, Employee, 1 dog, 2 kids
- **Behaviors:** very sportive, is always up to date, member of "Team Austria"
- **Personality:** loves his family, would do everything for them, does not have a lot of spare time
- **Needs:** wants to achieve a career advancement soon, a big project could help
- **Thoughts about careables.org:** good idea, but many questions, who is involved, who benefits the most – how is the process designed
- **Financial interests in careables.org:** Opportunity for a socially organized state to spend money on a reasonable project



Figure 13: civil cervant, Gustav Gans, source: own illustration

2.1.3.1.6 Financiers – Institutional Donors

We interviewed three people in leading positions to create the following persona. It is well known that many large companies support social projects. Therefore, we have also asked for the opinion of companies about the project. Here, we received the information that today's understanding of CSR no longer corresponds to sponsoring small external projects. Rather, CSR is nowadays a corporate philosophy and most companies develop their own projects. However, the one-time support in the form of sponsorship for a single event is possible.

Martin Müller

54, CSR Manager

„Today's companies develop their own ideas and projects and, in terms of CSR, do not "buy in" from outside“

- **Demography:** male, married, 2 children
- **Behaviors:** likes to do sports, interested in culture, likes to spend time with his colleagues after work
- **Personality:** wants to make sure that his family and friends are well, open-minded
- **Needs:** safe workplace, more detailed information about the careable project
- **Thoughts about careables.org:** great idea, would use careables if needed, however he believes that it is difficult to finance such aids through insurance
- **Financial interests in careables.org:** must fit into the CSR strategy of the company, would rather fit into a marketing line



Figure 14: CSR Manager, Martin Müller, source: own illustration

2.1.3.1.7 Financiers – individual donor

We interviewed three potential individual donors with different backgrounds. Of course, it is not possible to finance the project with the help of small donors alone. Nevertheless, the contribution of a larger group of individual donors should not be underestimated. It is important for private donors to see and understand what happens with their money. They are also interested in the results or products that were financed by their donation.

Carola Cari-Tass

„I think careables is a good thing and makes sense. Especially the individual aspect is great.“

30, Individual Donor

- **Demography:** female, single, lives in a flat share in Vienna, highest education: A-levels
- **Behaviors:** does not take decisions lightly; positive attitude; open minded and communicative;
- **Personality:** likes to travel; has a large, international circle of friends; works in an international environment;
- **Needs:** Health; Sport; Sense of security; Sensibility
- **Thoughts about careables.org:** Good thing with an impact
- **Financial interests in careables.org:** Would donate money if it enabled the "purchase" of a careable tool for a disabled person



Figure 15: individual donor, Carola Cari-Tass, source: own illustration

2.1.3.1.8 Makers

To form the persona of the maker, we interviewed a lab manager and a person who is specialized in co-creation formats. For them, the project Careables is the perfect mix between their passion for DIY and their need to help people. However, it is important that they know that all costs will be covered and the person with a disability is willing to work with them. According to this information we created Bast Lehr.

Bast Lehr

"Use technology to support technology with social impact"

43, Maker

- **Demography:** engineer, married, 3 kids, started his career working in the automotive industry, founded and manages a fab lab
- **Behaviors:** love listening to and play music himself but doesn't have enough time currently, same thing with sports although he would like to remain in shape becoming older
- **Personality:** very social character, wants to make other's live better, open minded, cosmopolitan, creative thinker
- **Needs:** challenges and changes; bored by doing every day the same stuff until he is old enough to retire
- **Thoughts about careables.org:** loves the project as it combines anything he likes, working on very different challenges by simultaneously helping other people
- **Financial interests in careables.org:** helping anybody is more than earning money but costs have to be at least covered; helps refinancing solutions by creating a mis of donors



Figure 16: Maker, Bast Lehr, source: own illustration

2.1.3.2 Point of View

A Point of View (POV) provides a focus and describes the problem, inspires and gives us context for the idea. It enables us to make decisions and narrows down a challenge that was initially formulated too broadly. Due to the findings from the interviews we decided that it doesn't make sense to include the persona Financier – Health Care Insurances. We then condensed all remaining personas in to our conclusory Point of View.



Martin Müller
54, CSR Manager

- **central need:** must fit into current CSR strategy & company purpose
- **most relevant insight:** probably better for marketing events

How might we help **Martin Müller** to integrate the careables project in the existing CSR strategy of his company?



Carola Cari-Tass
30, Individual Donor

- **central need:** wants to know who receives her donation
- **most relevant insight:** personal interest influences where her donation goes

How might we support **Carola Cari-Tass** need to express her thankfulness for her own health through a meaningful donation?



Bast Lehr
43, Maker

- **central need:** wants to use his skills to help people
- **most relevant insight:** own costs must at least be covered

How might we help **Bast Lehr** to live his passion and create a social innovation but get their costs at least covered?



Stefan Starke
37, User

- **central need:** product especially tailored to him
- **most relevant insight:** doesn't know about the possibility of co-design DIY options

How might we help **Stefan Starke** to get a problem (non-affordable or non-existing product) solved at affordable cost?



Doris Dolent
48, Case & Care Manager

- **central need:** wants solve problems with affordable aides for her patients
- **most relevant insight:** does not have an impact on finance decisions & haven't heard about co-design DIY options

How might we help **Doris Dolent** to offer more options to meet specific needs of their patients?



Ursula Mayer
41, Specialist Supervision

- **central need:** way that enables her to finance the project directly
- **most relevant insight:** likes the project but has no budget to finance it directly

How might we help **Ursula Mayer** to find a way to finance the project directly?



Gustav Gans
36, Civil Cervant

- **central need:** full understanding of benefits & details of the project
- **most relevant insight:** opportunities to finance social projects are available but numerous & diverse

How might we help **Gustav Gans** to understand the process and who benefits the most?

2.2 Solution Space

The second diamond, the solution space, is categorized into ideation, prototyping and testing which shall be explained in more detail below.

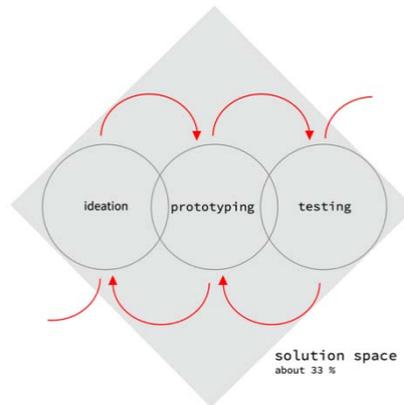


Figure 17: solution space, source: own illustration

2.2.1 Ideation

In the ideation phase, we used brainstorming techniques to generate many different (and unusual) ideas. In the end, we selected one of the ideas to work on further. The aim was to get as many ideas as possible.

2.2.1.1 Silent Brainstorming

There are many types of brainstorming (6-3-5, negative brainstorming, hot potato, 2050, etc). We decided to use the silent brainstorming technique as this seemed to be the most appropriate way moving forward during the period of distance learning. We also decided to use **mural.co** not only to organize the brainstorming but also to manage all our solution space tasks.

First, each participant silently wrote/visualized ideas on post-its (always only one idea per post-it) over a predefined period of time. The requirement for every team member was to make sure that they didn't prioritize any persona. Afterwards each participant presented his/her ideas and stucked their post-its on the whiteboard as you can see below:

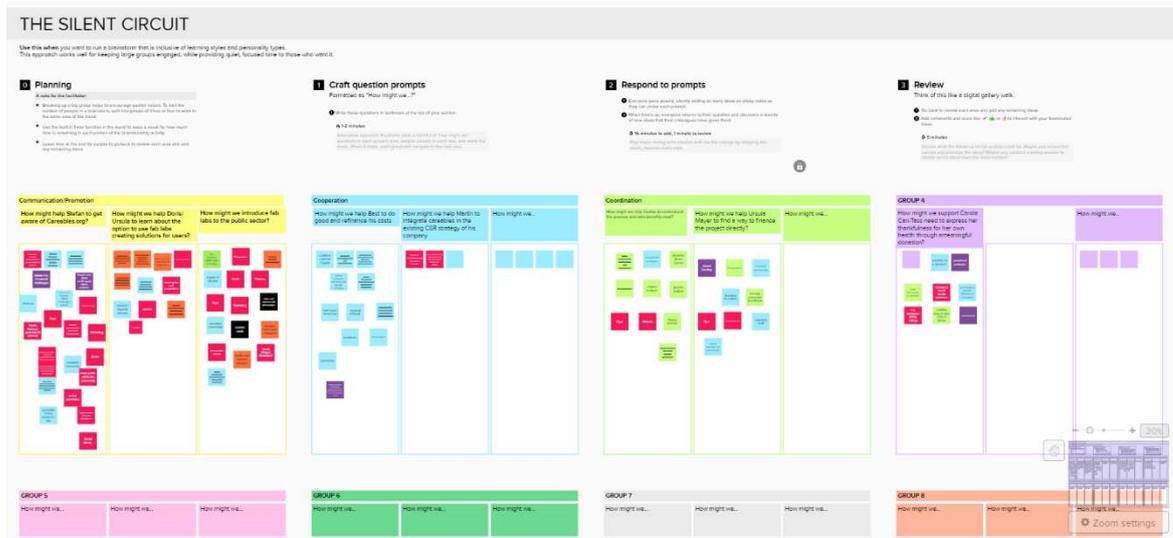


Figure 18: silent brainstorming, source: own illustration

2.2.1.2 Clustering & first Assessment

During the brainstorming process we were able to already identify four clusters where all the ideas could be grouped into:

- **Communication/Promotion** to help Stefan, Doris & all the others to learn more about the benefits & co-design solutions
- **Cooperation** to help Gustav, Bast & all the others to understand the needs and interests of the stakeholder better
- **Coordination** to help Bast to be innovative but gets his costs covered
- **Donation** to help Martin, Carola or Gustav to integrate Careables into their CSR-Strategy, express thankfulness or understand the beneficiaries

The already clustered ideas were still be considered independently when we made the first assessment of the ideas. That said, each idea was evaluated individually. We decided to use a color code for this evaluation. Each member of the team was allowed to attach three colored dots to ideas of their choice. The meanings of the different colors were defined as follows:

- purple: future-oriented
- yellow: the user loves the idea
- green: easy implementation



Figure 19: clustering, source: own illustration

2.2.1.3 Re-Iteration & second Assessment

After the first assessment we met to discuss the outcome of the evaluation. Each member provided its understanding of the results and what this means for the finalization of idea blueprints. Ideas with the highest grades have again been challenged against the different personas needs and have later been either selected as “single” ideas or re-clustered with others.

During this process of re-iteration the ideas with the highest points were further discussed. Each of these ideas has been presented and discussed once more to achieve a mutual understanding. After this discussion, ideas have been either kept as they are, regrouped into a new cluster or dropped out. Each of the remaining ideas or clusters have again been put in relation to the identified “how might we...” questions to sharpen the findings and finish this iteration. At the end, the final ranking of ideas became quite obvious and unanimous within the team. No special tool has therefore been used to run the second assessment.

2.2.1.4 Ranking & Final Step

The second assessment led to a final ranking of six ideas from which the top three were identified to develop the blueprint of our idea.

Rating	Which Idea?	Who is the idea for?	Personas (whom might we help)	POV (how might we...)	What should be achieved by the idea?
	Standardized Workshop	Maker, potential sponsors, users	<ul style="list-style-type: none"> • Carola (Individual donor) • Bast (Maker) • Stefan (User) • Martin (CSR Manager) 	How might we help Martin Müller (institutional donor) to integrate the careables project in the existing CSR strategy of his company?	create predefined workshops which can be sold, offer for sponsors
	National Chapter	association of labs (makers), contact person for financiers and users	<ul style="list-style-type: none"> • Bast (Maker) • Stefan (User) 	How might we help Bast Lehr (maker) to live his passion and create a social innovation but get their costs at least covered?	increase national awareness, local contacts
	Kick-off Event	association of labs (makers), contact person for financiers and users	<ul style="list-style-type: none"> • Carola (Individual donor) • Bast (Maker) • Stefan (User) • Martin (CSR Manager) • Ursula (Spec. Sup.Vision) 	How might we help Stefan Starke (user) to get a problem (non-affordable or non-existing product) solved at affordable cost?	Media presence, new careables, communication campaign, reach multipliers

Figure 20: Ranking 1-3, source: own illustration

Rating	Which Idea?	Who is the idea for?	Personas (whom might we help)	POV (how might we...)	What should be achieved by the idea?	
	Increase awareness in the health care sector	healthcare personnel, case & care manager	<ul style="list-style-type: none"> • Bast (Maker) • Stefan (User) • Doris (Case & Care Manager) 	How might we help Doris Dolent (health care professional) to offer more options to meet specific needs of their patients?	Making the idea of co-design known, enabling individual solutions	requires national contact points (national chapter) & a clear offer, ("cleaning the door" very costly)
	Crowdfunding	existing Careables, small projects	<ul style="list-style-type: none"> • Bast (Maker) • Stefan (User) • Carola (Individual Donor) 	How might we help Gustav Gans (financier public sector) to understand the process and who benefits the most?	Financing of an existing Careable (or partial financing)	already tested, go-life campaign
	Existing careables	users, who need an existing Careable	<ul style="list-style-type: none"> • Bast (Maker) • Stefan (User) 	How might we support Carola Caritass's (individual donor) need to express her gratitude for her own health through a meaningful donation.	easy access for the users, solution should be enabled	potential additional financing but not only for the total costs

Figure 21: Ranking 4-6, source: own illustration

During the development of the final ranking it became obvious to us that the three top ideas somehow complement and even depend on each other. Although each one of them could also be implemented independently the combination of all three should be even more beneficial. We therefore decided to introduce a **National Challenge** as an overall approach which integrates the Careables workshop, the initiation of the national chapter and the media effective kick-off event. From now on - especially during prototyping and testing - we focused on this overall approach.

2.2.2 Prototyping

During the phase of prototyping, a rough model of approach has been created. Again, the National Challenge includes the development/use of a standardized workshops and gives a newly founded national chapter the opportunity to organize a kick-off event to increase national awareness and promote the Careables idea. For the testing, documents and other materials had to be developed and created. Different to tangible products the prototype of our approach focused on the narrative instead of a classic built.

2.2.2.1 Paper Prototypes

Initially we described the ideas which have been developed for the long-term sustainability and continuation of the Careables idea more specifically. In a first step the three pillars of the National Challenge were outlined in more detail

- Development of a standardized workshop
- Establishing a "national chapter"
- kick-off event

Development of a standardized workshop

New Careables are created together with users and makers in labs. This creation takes place in the context of workshops. Makerlabs create predefined workshops where a new Careable can be created. These workshops can be sponsored by companies as well as private persons. There should be no costs for the user. The challenges which should be solved in the workshops are submitted by users. Finally, the aim of the workshop is to develop a new Careable and to make the manual available free of charge on the Careables.org platform.



Figure 22: standardized workshop, source: own illustration

Establishing a "national chapter

The national merger of Makerlabs is supposed to create a central interlocutor and a national network. This interlocutor is available for and exchanges with users, financiers for any other stakeholder. It is also aimed at increasing national awareness and providing clear and simple access for all parties involved.



Figure 23: national chapter, source: own illustration

Kick-off event

When the national chapter is created, the main aim is to promote the idea of Careables. This is done by a kick-off event. During the event, a standardized workshop is held, which creates a new Careable. Users can submit their challenges for this event. The selection is made by voting. This event is accompanied by a media campaign including a media partner. Furthermore, the project will be promoted via the social media accounts of the national chapter & friends so that the progress of the project will be visible at any stage. The event shall increase the national awareness of Careables, especially among multipliers.



Figure 24: kick-off event, source: own illustration

2.2.2.2 Storyboard & Video

To present the combination of all three pillars of the **National Challenge Approach** we decided to use a video to perfectly explain our idea. To produce the video, we developed a storyboard to create the final presentation and explanation of the project. In addition, a one-pager was created for cases where the usage of video is not applicable. The video was later uploaded to Vimeo to make it easily available during the testing process.



Figure 25: screenshot video careables, source: own illustration

Link: <https://vimeo.com/496955123>

Passwort: CareablesChallenge21#

2.2.3 Testing

After the prototypes were developed we started to test them. In a first step the target groups for the tests had to be identified. To realize the National Challenge, it's crucial that the approach gains multiple support from the **makers**, the **media** as well as the **sponsors**. The makers have to commit to the establishment of the National Chapter. The media is necessary for promotion and the generation of media value. This then hopefully provides an attractive package for the sponsors which shall finance the approach. If the approach misses the backing from only one of the supporters mentioned above, it will not happen. Therefore, we decided to focus on the described three groups to test the prototype. Where possible the team contacted the same people who have been interviewed during the observe phase.

2.2.3.1 MAKERS – Create a National Chapter

For the implementation of our blueprint, it is necessary to have a national contact point. To facilitate the testing in this phase, we decided to exclusively test in Austria. Nevertheless, this concept can be implemented in all other countries as well. As a first step, we assessed the potential of the Austrian maker scene. This was done through a desk research. Here 19 Makerlabs were identified, which have the potential to participate in Careables. The following map graphically represents the identi-



Figure 26: map with makerspaces, source: own illustrated Makerlabs.

The next step was to contact these Makerlabs and send out an interview request. The purpose of the interview was to introduce the idea of the National Chapter to the Makerlabs and to get the opinion of the Labs about the developed concept. During the test phase we were in contact with nine Makerlabs. Two of them have told us from the beginning that they are not interested in participating. For them, the reason for refusing was the lack of interest in prototyping health tools. Another reason for refusal was the lack of know-how in the field or a different understanding of the project. Interviews were held with the other seven Makerlabs to get their opinion. In each case we asked about the opinion of our idea, the possibility of implementation and the conditions under which the Lab would participate. One of the basic messages from the interviews is the need for networking between Labs. The maker

scene currently still "suffers" from a very low awareness outside the community. The media support is also intended to promote the maker scene. Another common finding is the fact that all labs have both private individuals and companies as customers. Private persons usually pay some kind of membership fee to get access to the lab. Companies usually have separate agreements. The Makerlabs also suggest that in particular private individuals might be interested in participating in Careable workshops and make their workforce available free of charge. A compulsory condition for Makerlabs to participate in Careables is to secure funding for a workshop. It was mentioned several times in the interviews that you don't get rich with a Makerlab and therefore the Labs have limited possibilities to cover some of their costs. However, is the possibility of providing infrastructure as well as staff time free of charge was mentioned several times. Another important topic for the Makerlabs was the liability. Liability must be clearly regulated, otherwise the Makerlabs would not participate. An initial meeting between chapter participants and Careables would also be appreciated by almost all Makers. Plus, the provision of content for the national website as well as a clear contact person. Overall, there is an extremely high interest in Careables from the Austrian maker scene.

The exact form of the merger may vary from country to country all over Europe. The Makerlabs in Austria would agree to a loose merger and definitely see the possibility to become a partner of Careables. Of course, there are still concrete contracts and conditions to be agreed upon, but in any case, there is great interest and thus a high potential to realize the idea.

2.2.3.2 MEDIA – Become a Partner

As outlined above we have identified three success factors for the implementation of our National Challenge. First, the incorporation of the FabLabs/Makers in each country were tested as described in the previous part. Second, we had to challenge our assumption that it is possible to establish strong media partnerships. This would make the sponsoring packages we want to offer much more attractive.

We knew from the beginning that collaborations with media house are possible. What we didn't know was if our concept was good enough to bring the media on board. And, even more important, which exact terms we are talking about.

To get a better understanding of these questions we contacted the marketing department of nine major newspapers in Austria which we have selected mainly by the number of their circulations. Other aspects such as likeliness to support social initiatives have also been considered. The final targets were:

- Kronen Zeitung
- Kleine Zeitung
- Kurier
- Oberösterreichische Nachrichten
- Salzburger Nachrichten
- Tiroler Tageszeitung (TT)
- derStandard
- diePresse
- Falter

Every media house has been either contacted directly or was approached using other intermediaries including the marketing department of the IMC FH Krems. All of them got a short cover letter explaining who we are, what we are doing, what the idea is and what we want. To better explain our overall approach, we included the link and the password to the explanatory video which we produced and uploaded to Vimeo (<https://vimeo.com/496955123>, pw: CareablesChallenge21#).

We got immediate interest from four newspapers (Krone, derStandard, Salzburger Nachrichten and Tiroler Tageszeitung), although the TT would only support a project in Tyrol with Tyrolians. Die Presse declined from the very beginning. Feedback from the remaining media is still pending. A reminder has been sent and a follow up by phone during the next days is planned as well.

The learnings we already got are very positive and supportive. Not very surprisingly – especially as we are planning to integrate sponsors into our communication (e.g. with logo integration) – the newspapers won't be able to offer anything for free. But

they confirmed to offer very attractive discounts on their list prices, first, for the social aspect and background of our National Challenge. And second, due to the fact that this is a student project.

Based on these findings we feel comfortable that our planned budget of EUR 150.000 to cover three workshops, administration as well as marketing and promotion should be sufficient. We even feel that we can lower the costs for the workshops (EUR 20.000 each) substantially or reduce them to two in general. With that measures we should be able to reduce the financial needs for the National Challenge to about EUR 100.000.

Of course, the costs for a full-page advertisement very much depends on the reach of the newspaper but from what we have learnt is that we can calculate with EUR 30.000 to EUR 35.000 for an Austrian wide media partnership including a minimum of 10 full-page advertisements. This should leave enough headroom to further invest in our own social media activities.

2.2.3.3 FINANCIERS – Make it happen

We meanwhile know that the maker scene in Austria is very positive about building something like an association to support any activities to increase awareness for their doing. In addition, we found out that there is a very high interest to cooperate from a media perspective including the fact that the inherent costs should fit perfectly our planned budget. Bottom line, we are able tick two from three uncertainties already. But what about the sponsors? Is our assumption correct that we can draw up a budget from EUR 100.000 to 150.000 with – let's say – three to five sponsors or supporters.

In the preparation for contacting potential sponsors, stakeholders and supporters we outlined a cover letter which included a draft of a potential media package we want to offer:

- Logo Integration (website and other online platforms, at venues, etc.)

- Integration into any communication activities at maker spaces, into the promotion (incl. social media) of the ÖSTERREICH CHALLENGE to encourage user to register.
- Provision of media value via our media partner(s)
- Integration into any advertising material around the ÖSTERREICH CHALLENGE (print, online, social media, TV (if possible));
- Integration into the general coverage of our initiative
- Integration in die accompanying social media activities
- Integration into corresponding video content incl. the live streams of the workshops
- Usage of the ÖSTERREICH CHALLENGE for own communication purposes
- Mentorship for one of the beneficiaries

With that document we started not only to intensify the discussion we already had with potential sponsors and other contacts during the problem space phase. But also additional targets have been contacted to learn more about our financial possibilities. As we didn't only plan to talk to additional companies, we were also looking forward meeting with people from the public sector (state, city, community). Plus, we tried to get in touch with influencers and multipliers.

To identify additional companies, we simply took the list of signatories to the *Charta der Vielfalt* (https://www.wko.at/site/Charta-der-Vielfalt/unterzeichnerinnen/unterzeichnerinnen-der-charta-der-vielfalt/UnterzeichnerInnen_der_Charta_der_Vielfalt.html) and sorted them by size in the next step. Among others this left us with ASFINAG, AVL List GmbH, ERSTE BANK, Generali, Henkel, NOVOMATIC, PORR, VERBUND. In a last step, we have contacted a total of 15 companies and sent out informal requests to support our ÖSTERREICH CHALLENGE. This came on top of stakeholders like FH Technikum, myability, UNIQA and others with whom we had initial exchanges already.

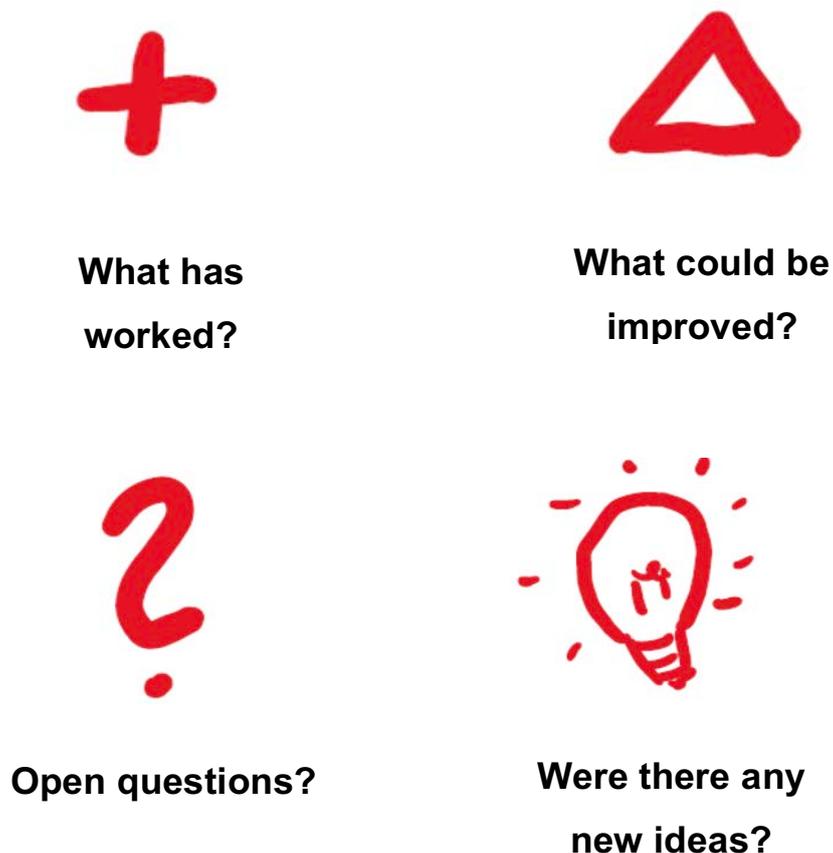
This last phase of testing has only been started right before the deadline for the submission of this report. Therefore, final feedback is still pending. But we are very optimistic that we are able to tick this box as well.

2.2.3.4 Evaluation of Feedback & Re-Iteration

Due to the fact that this report – as already mentioned - had to be submitted before the testing was finalized there isn't a structured feedback available yet. We have planned to use a so-called *feedback grid* (see below) to structure the findings from the discussion with the makers, media and financiers.

What we already know today is that the assumption we made around makers and media worked. Details of the media partnerships still have to be defined and will most likely become even more customized when the actual partners (makers & media) have been identified. This comes along with a lot of open questions including the size (two or three workshops), exact design of the promotion & communication campaign, etc.. Not very surprisingly there are new ideas popping up in any discussion we have around the ÖSTERREICH CHALLENGE, e. g. does a further regionalization could make sense? Or, how can we improve the general accessibility of our communication? And so on...

Nevertheless, we are convinced: our NATIONAL CHALLENGE approach works!



3 Learnings & Conclusion

3.1 Careables Design Challenge

The biggest learning for us from the Design Challenge is definitely the approach to this very challenging project. Especially the iterative process was both challenging and important to be able to grasp and work on the entirety.

Very positive and motivating for us, of course, was the great encouragement for the idea that we received from the interview partners. Above all, we received positive feedback from the makers, the media and also from the lecturers. Furthermore, it is important for us to note that we received a lot of appreciation, especially from the maker scene. If, for example, no interview partners were available due to time constraints or other reasons, we still received a justified feedback.

It was also interesting to learn that Careables is still unknown in the maker scene, among those affected and in public. However, there is strong interest on the part of – not only but especially - the media in helping Careables to become better known. This shows - above all - the enormous potential of Careables.

The challenge was even more demanding and complex due to the international nature of the project. The fact that Careables is taken over by the German association GIG initially led to numerous discussions in the team about the extent to which individual points, interviews, ideas, personas, etc. from an Austrian point of view could subsequently be transferred to Germany or other European countries. The different ideas within the consortium also gave some leeway on the one hand, but on the other hand it was difficult to filter out which ideas really made sense to pursue further. There was a great deal of interest in the project within the Austrian maker scene. However, from our point of view, it is questionable whether this continuation can also be transferred to Germany or whether the person who will subsequently be entrusted with Careables can also muster the time resources to carry out this acquisition.

All in all, however, we agree that the design of the Design Challenge has turned out very well and has also really found favor within the Maker scene and has already

aroused the interest of some media. Of course, we hope that this will be built upon and that the project, which we personally consider having a very promising and meaningful future, will be able to continue to raise the necessary financial resources. Perhaps with the help of this work.

3.2 Process Design Challenge

In the first days at IMC FH Krems we got a lot of interesting input on the topic of team building, design challenge, processes, brainstorming, etc.

It was particularly interesting that there was -intentionally - no role allocation in the team per se and that it worked perfectly for us. At no point did we have the feeling that people were isolating themselves or not contributing their ideas.

Furthermore, it became clear how important it is to do several rounds on certain topics. In this context, going backwards is by no means a step backwards. It was especially important for us to incorporate the numerous insights from the interviews again and again. Looking back, it was also particularly important to involve the maker scene very strongly. We personally had no connection to this scene before the project. Here, the openness and interest of this community for the project became apparent and a realistic picture was drawn of what is possible - real world means real world.

Kind of difficult in the process was embedding the tasks and lectures during the semester. For us, it was particularly challenging to have the lecture on stakeholder management right at the beginning of the semester. Especially with the breadth of our consortium, it became apparent that many people and groups are important for the continuation and others that we initially thought were important have no significance at all. Here, it would have been optimal to have another lecture later after gaining some real information about the current situation. The prototyping is also generally chosen at a rather difficult time. In the end, testing of the prototype was primarily only possible in mid-December to early January. At that time, however, key people were difficult or even impossible to reach due to the Christmas holidays.

We particularly benefited from the weekly jour fixes and the quick accessibility and exchange via WhatsApp. If necessary, other appointments were also made spontaneously during the week. Above all, this exchange was advantageous in that everyone was always up to date. If someone did not have time for a meeting, the information was shared directly via WhatsApp.

Even though it was initially difficult to find one's way into the project, the process leading up to the final product proved to be very pleasant, professional, respectful and largely stress-free.

References

careables.org. (2020). Retrieved from our principals:
<https://www.careables.org/emergency/>

WHO. (2011). World report on disability.

Name	Website	Legal structure [1]	Governance structure [2]	Offered services	Beneficiaries/customers	Competitive advantage/Positioning [3]	Sustainability/Business model	Other relevant aspects
Open Knowledge Foundation	https://okfn.org/	founded in 2004; non-profit organisation registered in the UK as company limited by guarantee; plus a network of local chapters/partners who are legally independent	The CEO reports to the Board of Directors, which is final responsible for finances and legal probity of the OKF; Board met bi-monthly, now quarterly	mainly offer trainings and consulting, research, community management and technology solutions, events for the community, campaigns, projects	governments, universities and civil society organisations, companies, public organisations, international organisations, NGOs	solid track record and being there from the beginning to promote open knowledge & open data; being frontrunners and having extensive experience and expertise related to legal, technological and community aspects of open data, e.g. they created the Open Definition in 2005, the gold standard for open data, etc.	funding via regular or one-off donations; grants; have important funding organisations: such as Shuttleworth Foundation, Adesium Foundation, Wellcome Trust, Alfred P. Sloan Foundation, International Development Research Centre, The William and Flora Hewlett Foundation, CIVICUS, Hivos, Omidyar Network, Luminate, Sigrid Rausing Trust, Indigo Trust	
Repair Cafe	https://repaircafe.org/	first cafe started in Amsterdam in 2009. The foundation is founded in Amsterdam in 2010 under the name Repair Cafe International	The foundation has a board, consisting of three members (no fee, only travel expenses). Daily governance of foundation consists of founder Martine Postma working together with five employees	A repair cafe is a free gathering where volunteers help visitors to repair broken household appliances, clothing etc. This is also one of the requirements: not to bring and pickup appliances, but share knowledge together to understand the repair. Visiting a cafe is free of charge, also usage of tools and materials. Aim of the foundation is to create a database of repair manuals, develop/translate a training kit for schools and to spread the network. The website provides a map to find a repair cafe near you. There is also a forum with help, tutorials, manuals, pictures and advice	civil society	Always free of charge. Aim is to create insights and knowledge with visitors that they don't have to throw away broken appliances. With the help of volunteers visitors repair their appliance themselves. Since the aim is knowledge transfer, there is no competition with professional repair shops. Although these shops are not readily available. Repair cafe's are readily available, making it accessible for everybody	Visitors are asked for a voluntary donation, when visiting. This donation is used to cover the costs for hosting the cafe. There is a donation button on the website to donate financially. Regarding the foundation: Small professional team, so limited costs. Fee (voluntary) for digital starterskit (logo, posters etc). Fee to become a member (one-time fee, no recurring service fee) Donors Three financing bodies (foundations)	To organise a repair cafe you need to have volunteers. In some cafes this is a challenge, and they are in search of volunteers with skills Easy to read communication, also their requirements to start a cafe are four bullits.
MakersMaking Change	https://www.makersmakingchange.com/	It is a project by Neil Squire society, a Canadian no-profit organisation funded in 1980s, whose main aim is supporting people with disability with technology to foster autonomy (especially employability). They start up local chapters lead by champions, involving makers, schools, hp professionals committed to voluteer their time. In some cases, the community chapter leads belong to makerspaces/fablab (do they become affiliates? a logo of MMC appears on their own websites).	The project is linked to Neil Squire Society. There are regional offices in Canada.	The platform supports the connection between a person with need (requesting a device) and a maker (volunteering his/her time). It is a pure match-making platform, the staff monitors the first interaction and works on engagement. A maker can make a device of the library or post a own device A professional can review a device A person with disability can request a device or post an idea Togheter with Printlab, they launch also the Academy of assistive devices (not promoted on the platform) -> https://classroom.weareprintlab.com/p/assistive-device-academy-v2	Their targets are: . disability professionals . makers . people with a disability The academy is free of charge and designed for students	"Makers Making Change is a unique project in that it is the only project of its kind to include and value the feedback of Disability Professionals based on their professional opinions and advanced knowledge of assistive devices." (hidden in the terms of reference)	Neil Squire society is funded by Canada government. The platform itself has a "donate" button. Materials and shipping for the devices are paid directly by the person with need. Not clear if the local chapters pay a fee for affiliation.	. "Matchmymaker" concept . communication is not their best

Name	Website	Legal structure [1]	Governance structure [2]	Offered services	Beneficiaries/customers	Competitive advantage/Positioning [3]	Sustainability/Business model	Other relevant aspects
wikifactory	https://wikifactory.com	Founded by Wikifactory Company limited, a profit organisation based in UK. It was launched in 2018. The company obtained two seed capitals rounds in order to start up (1500k)	Company with 4 founders.	All maker oriented services: Version Control 3D Visualisation Issue Tracking Documentation tools Collaborative projects Private feature Social features (stories, forum, collection)	It is designed for "product developers, that are makers, designers, engineers, hardware developers and, in general, creative problem-solvers". It is meant both for single users and groups (organisations/companies/open communities)	It is meant to "accelerate your product development", to be a social platform, to have more than 15.000 projects	Subscription fee: 7 euro/month per individuals 25 euro/month per organisations	Good communication (wording) / adobe style graphics (products vs maker projects)
ESCOOP – The first European Social Cooperative	http://www.escoop.eu/en/	European Cooperative Society, which is a specific legal structure: https://ec.europa.eu/growth/sectors/social-economy/cooperatives/european-cooperative-society_en	needs 5 individuals or 2 legal entities to be established, minimum capital required: 30.000€; they have members from different European countries; main office is in Italy, second office in Finland	socio-health, education and training services for the benefit of underprivileged people, productive activities in which the working integration and/or work placement of socially underprivileged people would be realized.			they mostly get funding for projects	
ECSCA: European Citizen Science Association	https://ecsa.citizen-science.net/	non-profit organisation legally established association under German law	around 250 members; members are part of the general assembly and they select the board of directors (5 members) and the executive board (Chair and 2 Vice-Chairs); they also have an advisory board and staff members in the central headquarters and some employees who work remotely for specific projects	aims to encourage the growth of the Citizen Science movement in Europe in order to enhance the participation of the general public in scientific processes, mainly by initiating and supporting citizen science projects as well as performing research on citizen science.	Individual researchers and organisations from academia and NGOs who are conducting Citizen Science projects	it is THE European Citizen Science Association and everyone active in CS knows it; they are organising the bi-annual conference and are closely connected with other CS associations worldwide, especially in the USA and Australia	they request annual membership fees (100€ per organisation; if you have less than 5 employees the fee is 50€)	started with only a few partners, but managed to become the leading organisation; they were the first ones to establish such an association in Europe and had leading scientists in the field on board from the beginning; they also had the institutional commitment from the Museum of Natural History to take a strong lead in the association and initially fund some activities via their personnel resources
Open Knowledge Maps	https://openknowledgemaps.org/	charitable non-profit organization (association under Austrian law)	According to Austrian law you need a board (Vorstand) that includes at least a chairman, a treasurer and a secretary; they have defined these roles and they also have an Advisory board	they want to build a visual interface that dramatically increases the visibility of research findings for science and society alike. They offer training materials and consultancy	for their community they offer to becoming an enthusiasts! Or run your own workshop with our training materials. community programme: https://openknowledgemaps.org/community#enthusiasts-program	as far as I know they are well connected and have a very specific expertise	they get some project funding and also have some "supporting members", they have a membership model elaborated and a flyer to inform what the membership includes; membership categories: Supporting member starting at EUR 2,800 per year 1 seat on the Board of Supporters (BoS), listing on website Sustaining members starting at EUR 4,800 per year 2 seats on the BoS, listing on website and in select materials with logo Sustaining members PLUS starting at EUR 9,800 per year 3 seats on the BoS, listing on website and in select material	I know that they are still struggling with their finances; they are happy that they got some sustaining members now but they are still recruiting more such members, they also have a "make a donation" button on their website

Name	Website	Legal structure [1]	Governance structure [2]	Offered services	Beneficiaries/customers	Competitive advantage/Positioning [3]	Sustainability/Business model	Other relevant aspects
Open Desk	https://www.opendesk.cc/	Company?		<p>Opendesk is a global platform for local making. We host digital furniture designs that can be made anywhere in the world through a global network of local makers. Platform business, sells connection to local makers?</p>	<p>Independent makers are at the heart of our model, and paying a fair price to the people making Opendesk furniture is very important to us. This generally means a greater amount of the sale price goes to the maker compared with traditional factory production, which can rely on huge volumes of stock made for low or minimum wages. Our model saves on shipping, storage & showrooms - because everything is made local and on-demand we have almost no need for shipping or warehousing. Because you're buying direct from the maker we don't need to pay for a high street showroom either.</p>			
Design for america	https://designforamerica.com/	<p>It is a not profit organisation (?) founded in 2009. It is linked to the Northwestern University based in Evanston (USA). Not sure if it has a own legal status (they define themselves as a community or a social innovation design program)</p>	<p>The staff is really minimalistic and includes also fellows. They have also an advisory committee. It is structured as a network and at the moment it has 42 dfa studios (hosted in universities universities).</p>	<p>from the national structure:</p> <ul style="list-style-type: none"> . methodology . mentorship feedback while progressing with the projects . resources on design . list of challenges . partnerships with companies . community (mentors, alumni, local actors) . annual gathering 	<ul style="list-style-type: none"> . students in the universities participating in the programme . universities . local communities 	<p>It is meant to give important assets for the students taking part: they "are prepared to navigate change, take on big challenges, and make our communities better." DFA is the difference is one of their logo</p>	<p>Not clear if there is a membership fee for design studios taking part. It's up to them to find resources for the solutions. The staff is very small. They accept donation through the website.</p>	<p>Is human centered design so uncommon and unusual in America? What are the solutions emerged from the local workshops?</p>
Fixed / Fixperts	http://fixing.education/	<p>Not clear. It is described as a "thinktank" and involves professionals dealing with design. First articles about fixperts dated back to 2012. The founders are two designers.</p>	<p>Core staff and a worldwide network of schools/universities</p>	<ul style="list-style-type: none"> . Network . Resources: presentations, session warm-ups and printable templates . support . training 	<ul style="list-style-type: none"> . person with a problem to fix . students . organisations carrying out the programme 	<p>"Because the world needs fixing", and everyone can become an expert in fixing: simple and true statement. But the name itself is not so "catchy".</p>	<p>Membership is free of charge while fix-camp has a little fee for the carrying out. They were exploring ways to support their activities and they recently applied to grants. They probably receive funds from some of the partners listed in their website.</p>	<p>Their solutions are really really brilliant. Should get better their communication and narrow down contents in their website. They also produced some careables</p>
OER Information Point	https://open-educational-resources.de/ueber-uerinfo/about-the-information-service-uer/	<p>Run by a research institute, funded by German Education Ministry</p>	<p>Editorial team collected from experts</p>	<ul style="list-style-type: none"> - OER map - infos, resources, - event calendar ... 				
Textile lab								

careables benchmarking

[1] typology of organisations (association/foundation/profit...)

[2] How is it organised? Who takes decision? How can other become affiliates?

[3] What they claim to be, to offer better
(aka value proposition)

careables.org

Open Source Hardware in Health and Care

Corona Care Maker Initiatives

Summary:

What can Careables do to support	1
General Collections	1
Open Hardware/Maker Initiatives	1
National	2
Careables Items for Welder.app/Careables	3
Ventilators	7
Door openers	7
Face masks	8
Gadgets	9
Events	9
Howto	9
Challenges/Virtual Hackathons	10
Press Coverage	10
Fundraising / Calls	11
Legal Info	12
Open Non-Hardware Knowledge	12
Personal Precautions	12
Remote Working & Events	13
Visuals	14

Global Innovation Gathering e.V.

Wilhelmine-Gemberg-Weg 14
10179 Berlin, Germany
globalinnovationgathering.org



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 780298.

What can Careables do to support

We can collect and disseminate information, support makerlabs printing coordination and help connect the maker community around the globe.

Join the new slack channel:

https://join.slack.com/t/careablesglobal/shared_invite/zt-da26hhg0-mmr9k95Mh3Nd2QRvhHQufg

General Collections

COVIDbase – is a work-in-progress curated list of projects, news, and data related to COVID-19.

<https://covidbase.com/>

COVID / Corona Learning Library

<https://learningorchestra.com/c/covid-corona-learning-library/21>

COVID-19 relevant information and resources by country

<https://kumu.io/access2perspectives/covid19-resources>

Open COVID Care - Collectively learning how to respond to this crisis

<https://www.opencovid.care/>

Open Hardware/Maker Initiatives

Open Source COVID19 Medical Supplies: Our mission is to provide transparent, accurate, medically-reviewed content that will help communities around the world develop open source medical supplies.

- + Slack coordinators group
- + Collection of FAQ,
https://docs.google.com/document/d/1-71FJTml1Q1kjSDLPoEegMERig_okk_7UfaRE4r66Mg/preview
- + fb group: <https://www.facebook.com/groups/670932227050506/>

Helpful Engineering

https://docs.google.com/document/d/1cM87eJdXhP_8eggJJZ_SnZXdo_huWsBmMzcgYWbhEOg/preview#

#projectopenair

We are working on medical devices, such as open-source ventilators, to have a fast and easy solution that can be reproduced and assembled locally worldwide.

<https://www.projectopenair.org/>

Makers Against Corona,

<https://makersagainstcorona.org/>

Corona Virus Tech Handbook - a crowdsourced resource for technologists building things related to the coronavirus outbreak

<https://coronavirustechhandbook.com/>

3D Printer & Talent Public Crowdsourcing for COVID-19

<https://docs.google.com/forms/d/e/1FAIpQLSdVfWaQi31l8VNUY6CVctJm5bELMmBKL7YG3mHY8ASvvcwrag/viewform>

Covid Accelerator

<https://covidaccelerator.com/>

BCN3D

is helping all innovators and its 3D printers are available for scientifically, medical and health validated projects to fight Covid19 in Spain, Europe and all around the world. Get in touch with us at covid19help@bcn3d.com

#HackCorona – An online hackathon for public protection from COVID-19

<https://www.eventbrite.co.uk/e/hackcorona-an-online-hackathon-for-public-protection-from-covid-19-tickets-100161529832>

JOGL OpenCovid19 initiative as a program is to collectively develop open-source and low-cost tools and methodologies that are safe and easy to use to fight the Covid19 Pandemic.

<https://app.jogl.io/program/opencovid19>

National

France: Makers on COVID19 FB Group

https://www.facebook.com/groups/1120744844933688/?hc_location=ufi

Germany: #WirVsVirus Hackathon

<https://wirsvirushackathon.org/>

Germany: 3D-Druck für die Krisenbewältigung

<https://www.facebook.com/groups/2690012721238793/>

Italy: Make in Italy

<http://www.makeinitaly.org/>

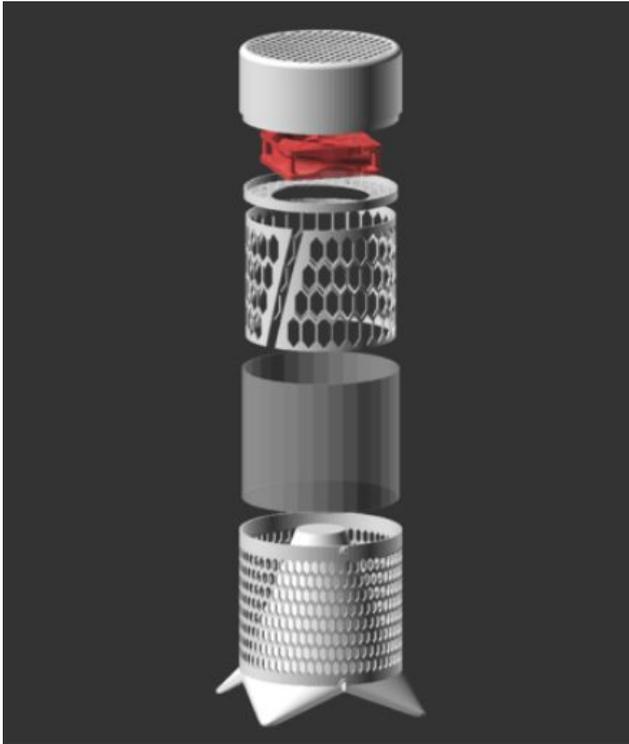
Careables Items for Welder.app/Careables

NEW: Collection by Thingiverse: [Forums - HackThePandemic - Groups](#)



Respirator valve:

<https://www.thingiverse.com/thing:4189592>



Air Filter:

<https://www.thingiverse.com/thing:4229193>



Hot Water Inhaler

<https://www.thingiverse.com/thing:4219164>



UV Sterilizer

<https://www.thingiverse.com/thing:4223034>



U-Shaped Virus Water Trap Filler

<https://www.thingiverse.com/thing:4222897>



Acrylic board stand for blocking droplet
<https://www.thingiverse.com/thing:4198078>

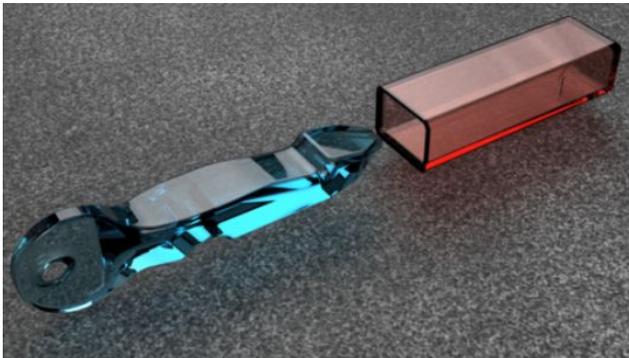


Goggle:
<https://www.thingiverse.com/thing:4185602>



Handy Tool for Buttons (Kid)

<https://www.thingiverse.com/thing:4220694>



Button press tool with a protective sleeve

<https://www.thingiverse.com/thing:4219470>

Handy Tool for Buttons/Handles

<https://www.thingiverse.com/thing:4215704>

Coronavirus Covid-19 Custom Message Display Board

<https://www.thingiverse.com/thing:4220162>

Surgical Mask holder - desktop

<https://www.thingiverse.com/thing:4227196>

Gas Pump Handle Holder

<https://www.thingiverse.com/thing:4226249>

Ventilators

[Ventilators ↗](#)

A section split off from Hardware to focus just on making ventilators.

Design Library for DIY Ventilators

https://diyventilators.com/?fbclid=IwAR1kpm-wvQ_XTmrPzGFRhtCZkT8rPVc_gYO-of_tZ3nKoL72loJuv9TmQ4!

Open Source Ventilator

https://www.appropedia.org/Open_source_ventilator

Low-Cost Open-Source Ventilator-ish Device

<https://github.com/jcl5m1/ventilator>

MIT E-Vent | MIT Emergency Ventilator

<https://e-vent.mit.edu/>

CORESPONSE - COvid19 RESPIrator OpeN SourcE

<https://coresponse.github.io/blog/>

Medtronic is responding to this crisis by making the design files for the PB560 ventilator system

<https://www.medtronic.com/us-en/e/open-files.html>

Repurposing sleep apnoea ventilators: We're collecting CPAP and BiPAP machines from the community, sanitizing, testing, and refitting them for use in hospitals.

<https://www.ventilatorproject.org/>

Door openers

Savegrabber - open door without touching the handle, press knobs without touching - an additional barrier for the coronavirus

<https://www.thingiverse.com/thing:4192643>

Another door opener:

<https://www.thingiverse.com/thing:4224156>

Doorknob Handle

<https://www.thingiverse.com/thing:4224517>

Non-contact foot-based door latch

<https://www.thingiverse.com/thing:4226561>

Face masks

Open Source Masked

<https://www.opensourcemask.com/en/>

COVID-19 Modified Creality mask with optional Y splitter, one-way vents and HEPA filter addon

<https://www.thingiverse.com/thing:4227510>

Covid Coronavirus Face Mask

<https://www.thingiverse.com/thing:4222563>

Cotton self-protection Face Mask (cute!)

<https://www.cottontimemagazine.com/page/10>

More masks:

<https://www.thingiverse.com/thing:4177128>

<https://www.thingiverse.com/thing:4185367>

<https://www.thingiverse.com/thing:4223974>

<https://www.thingiverse.com/thing:4222984>

<https://www.thingiverse.com/thing:4215454>

<https://www.thingiverse.com/thing:4222567>

<https://www.thingiverse.com/thing:4225667>

<https://www.thingiverse.com/thing:4223531>

<https://www.thingiverse.com/thing:4226409>

<https://www.thingiverse.com/thing:4217534>

<https://www.thingiverse.com/thing:4164771>

<https://www.thingiverse.com/thing:4167649>

<https://www.thingiverse.com/thing:4214066>

<https://www.thingiverse.com/thing:4227577>

<https://www.thingiverse.com/thing:4227223>

mask clip:

<https://www.thingiverse.com/thing:4227132>

<https://www.thingiverse.com/thing:4219552>

Face mask hook:

<https://www.thingiverse.com/thing:4225191>

Face Shields



Face Shield (excellent project)

<https://www.prusaprinters.org/prints/25857-protective-face-shield-rc1>

Willifoxz

<https://www.thingiverse.com/thing:4227278>

GliaX

<https://github.com/gliax/faceshield>

<https://glia.org/covid-19/>

Full Face Mask:

<https://www.thingiverse.com/thing:4225760>

Events

Howto

How to set up an online hackathon within 6 hours and suggestions from the global community on how to do it when you have more time: [Guidelines PLEASE LEAVE COMMENTS](#)

Challenges/Virtual Hackathons

20-22 March, Germany: #WirVsVirus Hackathon

<https://wirvsvirushackathon.org/>

20-22 March #HACKCORONA – Calling the global data science community

<https://www.eventbrite.co.uk/e/hackcorona-an-online-hackathon-for-public-protection-from-covid-19-tickets-100161529832>

UBORA design competition 2020: win 500€ with Medical Devices against Corona

<http://ubora-biomedical.org/ubora-design-competition-2020/>

[Deadline 29 March] Open Source Face Mask Challenge

https://docs.google.com/forms/d/e/1FAIpQLSfZc1hxgx2-ObcqODuML4OEqNrW2TEtxdbOu75x_upr5fUeVw/viewform

-> TO REVIEW THE DESIGN: Go to the spreadsheet located at:

<https://docs.google.com/spreadsheets/d/1e81ceSrVT6Bl4UaS1SxIUUUzgZAdkIstU7Hzoto8Ld8/edit#gid=46475755>

[Deadline 5 April] Munich Re and Fraunhofer-Gesellschaft

<https://give-a-breath-challenge.innosabi.com/login>

Hack the Crisis - Berlin Edition

<https://adhocracy.plus/citylab-berlin/>

2 April 2020: Combating COVID-19 Conference: A Collaborative Arduino

Community Initiative to take place on April 2nd at 5pm CEST

<https://blog.arduino.cc/2020/03/27/together-lets-make-covid-19-history/>

Press Coverage

Environmental testing for Coronavirus using BeagleBone and other open-source hardware

<https://blog.adafruit.com/2020/03/14/environmental-testing-for-coronavirus-using-beaglebone-and-other-open-source-hardware/>

People Are Trying to Make DIY Ventilators to Meet Coronavirus Demand

https://www.vice.com/en_us/article/5dm4mb/people-are-trying-to-make-diy-ventilators-to-meet-coronavirus-demand

Medical company threatens to sue volunteers that
3D-printed valves for life-saving coronavirus treatments

<https://www.theverge.com/2020/3/17/21184308/coronavirus-italy-medical-company-threatens-sue-3d-print-valves-treatments>

Calling All People Who Sew And Make: You Can Help Solve 2020 N95-Type
Mask Shortage

<https://www.forbes.com/sites/tjmccue/2020/03/20/calling-all-people-who-sew-and-make-you-can-help-solve-2020-n95-type-mask-shortage/>

7 open hardware projects working to solve COVID-19. Open hardware solutions
can prevent the spread and suffering of the novel coronavirus.

<https://opensource.com/article/20/3/open-hardware-covid19>

2020, March 25: Careables Brazil: Empresa desenvolve máscaras e faz doação à
Saúde de Olinda

<https://www.folhape.com.br/economia/economia/coronavirus/2020/03/25/NWS.134791.10.1669.ECONOMIA.2373-EMPRESA-DESENVOLVE-MASCARAS-FAZ-DOACAO-SAUDE-OLINDA.aspx>

2019, May 1: Student invention gives patients the breath of life

<https://www.inmed.us/training-sites/kwai-river-christian-hospital-thailand/>

Distributed Design in the times of crisis

<https://distributeddesign.eu/distributed-design-in-the-times-of-crisis/>

Careables Press Coverage

A small movie about face shields production in Brazil Olinda

<https://www.youtube.com/watch?v=JVXpsc8Jkio>

Nepal Fab lab Humanitarian Design

<https://nepal.communiter.org/fab-lab-humanitarian-design-challenge-2020/>

lab procomum, careables and our friends at labcoco today at the biggest news
portal of brazil

<https://www.uol.com.br/ecoa/ultimas-noticias/2020/04/09/como-senso-colaborativo-maker-mudou-para-de-enfrentar-uma-pandemia.htm>

The First Month of a maker lab against Covid19 in north eastern brazil

<https://medium.com/@readruiz/the-first-month-of-a-maker-lab-against-covid-19-in-northeastern-brazil-121d161be705>

HIGHLIGHT BLOG

#CAREABLES: NETWORK OF MAKERS STARTS PRODUCTION OF PROTECTIVE EQUIPMENT FOR COVID-19

<https://lab.procomum.org/blog/2020/03/30/careables-rede-de-makers-inicia-producao-de-equipamento-de-protecao-para-o-covid-19/>

Olinda Recieves Facial Protectors Donation for Health Professionals

<https://www.olinda.pe.gov.br/olinda-recebe-doacao-de-protetor-facial-para-profissionais-da-saude/>

Brazilian network of makers uses 3D printing to produce masks at scale

<https://www.hypeness.com.br/2020/04/rede-brasileira-de-makers-usa-impressao-3d-para-produzir-mascaras-em-escala/>

Taking care of those who care

<https://www.youtube.com/watch?v=JVXpsc8Jkio>

<https://www.youtube.com/watch?v=jzlegqk6Gww&feature=youtu.be>

DW Press Coverage on Onlinda Brazil

<https://web.facebook.com/watch/?v=678119406297800>

Covid-19: Italian makers take action

<https://www.makery.info/en/2020/06/22/covid-19-la-riposte-des-makers-italiens/>

Fundraising / Calls

[Closed] Applications welcome from startups and SMEs with innovative solutions to tackle Coronavirus outbreak

https://ec.europa.eu/info/news/startups-and-smes-innovative-solutions-welcome-2020-mar-13_en

[Closed] COVID-19 response: searching for emerging market ventilation systems

<https://www.disabilityinnovation.com/news/frontier-tech-4-covid-action-emerging-market-ventilation-systems>

GERMAN Overview: Aktuelles vom Fördermittelmarkt für gemeinnützige Organisationen angesichts von COVID-19

<https://blog-foerdermittel.de/2020/03/aktuelles-vom-foerdermittelmarkt-fuer-gemeinnuetzige-organisationen-angesichts-von-covid-19/>

The Founder Institute has launched a new Public Health startup fellowship for solutions that cure, prevent and mitigate threats to public health. <https://bit.ly/FICovid19>

Norrskan Foundation has opened applications for startups, projects or initiatives that address the impacts of Coronavirus. https://lnkd.in/gt_Nn-v

Solve - MIT is seeking for tech innovations that can slow and track the spread of future infectious disease emerging outbreaks. <https://bit.ly/MITCovid19>

#Techforce19 is calling on all innovators providing technological solutions that can help vulnerable, elderly or self-isolating people as COVID-19 continues to spread. <https://lnkd.in/gBbRybA>

#HackTheCrisis just launched a series of online hackathons taking place all over the world to address Coronavirus. <https://lnkd.in/g6eRpcQ>

Innovative Medicines Initiative (IMI) created a 45 Million fund aiming to support initiatives related to therapeutics, diagnostics, tools, etc. fighting against COVID-19. <https://bit.ly/IMICovid19>

[9 April 2020] CEI Extraordinary Call for Proposals 20201 <https://www.cei.int/sites/default/files/2020-03/CEI%20Extraordinary%20Call%202020.pdf> -> ca. 10 x 10.000€ projects

Mozilla Open Source Software: launches COVID-19 Solutions Fund: awards of up to \$50,000 each to open source technology projects which are responding to the COVID-19 pandemic in some way. <https://blog.mozilla.org/blog/2020/03/31/moss-launches-covid-19-solutions-fund/>

[submissions currently paused] Fast Grant: <https://fastgrants.org> If you are a scientist at an academic institution currently working on a COVID-19 related project and in need of funding, you can apply for \$10k to \$500k. Apparently, decisions are made in under 48 hours. Researchers outside the US are eligible for funding!

Legal Info

Coronavirus: European standards for medical supplies made freely available to facilitate increase of production https://ec.europa.eu/commission/presscorner/detail/en/ip_20_502

European standards organizations CEN and CENELEC with all their Members, to make a series of European standards (ENs) for medical devices and personal protective equipment freely available.

<https://standards.cen.eu/dyn/www/f?p=CENWEB:5:::NO>

DIN stellt Normen für medizinische Ausrüstung bis auf Weiteres kostenlos bereit

<https://www.beuth.de/de/sonderausgaben-normen-medizinische-ausruestung>

Open Non-Hardware Knowledge

Personal Precautions

Bay Area General COVID19 Protocol

https://docs.google.com/document/d/11wTW5TEfiScfQahCd18pFaOii2hpX6Ct_SY8DEoa-ks/mobilebasic#

Covid personal precautions:

https://docs.google.com/document/d/1zAovK9ExNRIPPyQN1sLBfRchn-dUUWj_jxwcEmhw8ixg/edit

Covid at home:

<https://covid-at-home.info/>

Effect preparation worksheet:

<https://docs.google.com/document/d/1fLVBQbv0713pXKkJ4eBRIDkjoTJN1XHrtDMRYWv14IA/edit#heading=h.vvcrcv6273s4>

Covid Q&A:

<https://docs.google.com/document/d/14zYcXZeAmsnyqQcJbsstmJd5VT-3mfuZ8cVnKegRrec/edit>

Covid-19 Africa Responses

<https://docs.google.com/document/d/1VrojbQ3B3jSnx1yPCpueJmUynkd3AsjeAnuz0Mw2jFw/edit>

Open source repository of vital information materials and campaigns to address the pandemic of disinformation and distrust

<http://www.pollyz.wiki/index.php/About>

Covid-19 Resources and guidelines for supporting individuals with autism

<https://afirm.fpg.unc.edu/supporting-individuals-autism-through-uncertain-times>

High Temperature and High Humidity Reduce the Transmission of COVID-19
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3551767

Remote Working & Events

Best practice for working from home & event alternatives
<https://coronavirustechhandbook.com/remote>

Volunteering App in Denmark
<https://nyby.com/volunteerism-against-corona>

Corona no-panic handbook
<https://cloud.globalinnovationgathering.org/index.php/s/6zL5WHFbg6GR6Er>

Anarchists Survival Guide for the Coronavirus
<https://archive.org/details/2019ncov/mode/2up>

Covid-19 updates for startups:
<http://blog.eladgil.com/2020/03/coronavirus-covid-19-update-for-startups.html>

Coronavirus Country Comparator:
<https://boogheta.github.io/coronavirus-countries/#confirmed&countries=Brazil,France,Germany,Iran,Italy,South%20Korea,Spain,United%20States>

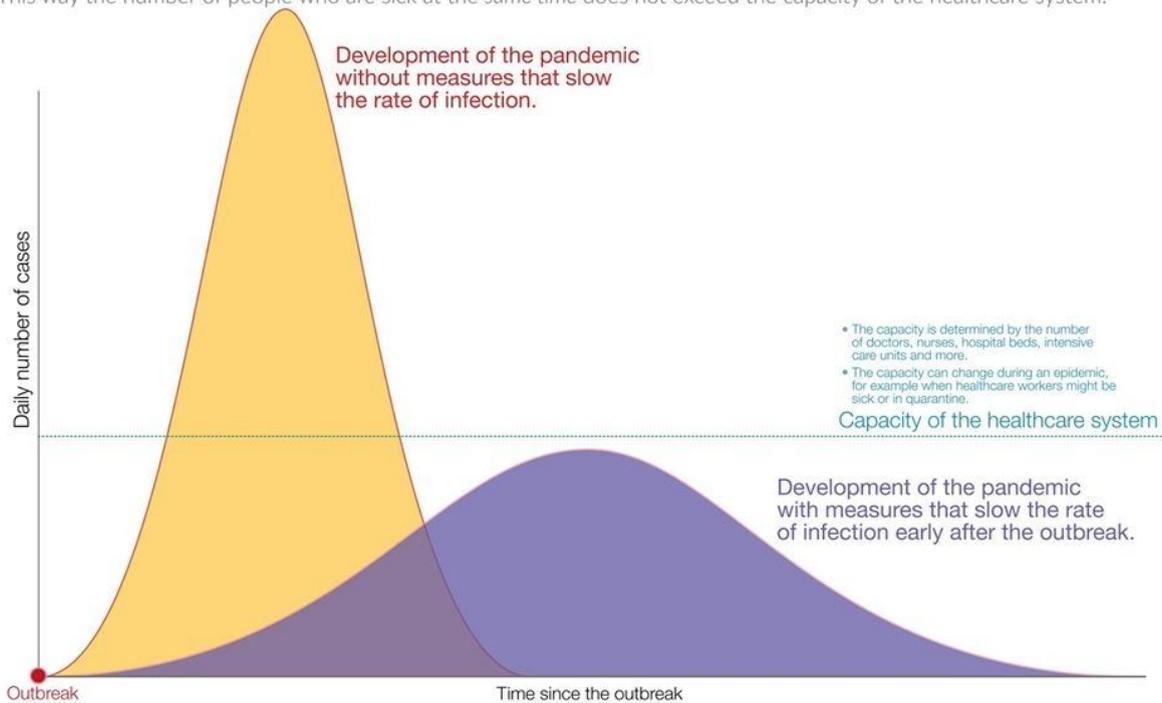
A peer-reviewed scientific source to check out last science insights (especially for medics) <https://www.thelancet.com/coronavirus>

Visuals

In the outbreak of an epidemic *early* counter measures are important



Their intention is to 'flatten the curve': to lower the rate of infection to spread out the epidemic. This way the number of people who are sick at the *same time* does not exceed the capacity of the healthcare system.



Based on the Centers for Disease Control and Prevention
 OurWorldinData.org - Research and data to make progress against the world's largest problems.

Licensed under CC-BY by the author Max Roser

MANAGING CORONA VIRUS (COVID-19) ANXIETY



For You

- Avoid excessive exposure to media coverage
- Connect through calls/text/internet
- Add extra time for daily stress relief
- Practice self-care
- Focus on your mental health

BlessingManifesting

For Kids

- Reassure them that they're safe
- Let them talk about their worries
- Share your own coping skills
- Limit their news exposure
- Create a routine & structure

For Quarantine/Isolation

- Keep in contact with your loved ones via social media, texts, and phone calls
- Create a daily self-care routine
- Keep yourself busy: games, books, movies
- Focus on new relaxation techniques

A MODEST PROPOSAL

WHAT IF WE USED THIS COMPLEX, EXTRAORDINARY SITUATION TO GAIN CLARITY ON SOME THINGS?

1. TAKE STOCK, SLOW DOWN, THINK, USE OUR IMAGINATIONS

2. SEE HOW QUICK AND EASY REDUCING EMISSIONS CAN BE, AND CLEAN THE AIR IN OUR CITIES

3. PUT AN END TO PREDATORY TOURISM

YOU KNOW...

MAYBE SOMETHING GOOD COULD COME OF THIS!



4. RECOGNIZE OUR VITAL PUBLIC SERVICES

5. SHOW THAT WORKING REMOTELY IS FEASIBLE

6. IT'S A GREAT OPPORTUNITY TO SHARE CARE WORK AND DUTIES

7. SHOW THE POWER OF COMMUNITY VS. MASSIVE SCALE

8. BE CONSCIOUS OF OUR EMPATHIC AND COLLECTIVE POTENTIAL TO PRESERVE LIFE

9. SEE WHAT A DEGROWTH SOCIETY WOULD LOOK LIKE, IF ONLY FOR A WHILE

 World Health Organization

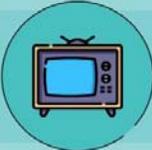
Coping with stress during the 2019-nCoV outbreak

 It is normal to feel sad, stressed, confused, scared or angry during a crisis. Talking to people you trust can help. Contact your friends and family.

If you must stay at home, maintain a healthy lifestyle - including proper diet, sleep, exercise and social contacts with loved ones at home and by email and phone with other family and friends. 

 Don't use smoking, alcohol or other drugs to deal with your emotions. If you feel overwhelmed, talk to a health worker or counsellor. Have a plan, where to go to and how to seek help for physical and mental health needs if required.

Get the facts. Gather information that will help you accurately determine your risk so that you can take reasonable precautions. Find a credible source you can trust such as WHO website or, a local or state public health agency. 

 Limit worry and agitation by lessening the time you and your family spend watching or listening to media coverage that you perceive as upsetting.

Draw on skills you have used in the past that have helped you to manage previous life's adversities and use those skills to help you manage your emotions during the challenging time of this outbreak. 

 World Health Organization

Helping children cope with stress during the 2019-nCoV outbreak

 Children may respond to stress in different ways such as being more clingy, anxious, withdrawing, angry or agitated, bedwetting etc. Respond to your child's reactions in a supportive way, listen to their concerns and give them extra love and attention.

Children need adults' love and attention during difficult times. Give them extra time and attention. Remember to listen to your children, speak kindly and reassure them. If possible, make opportunities for the child to play and relax. 

 Try and keep children close to their parents and family and avoid separating children and their caregivers to the extent possible. If separation occurs (e.g. hospitalization) ensure regular contact (e.g. via phone) and re-assurance.

Keep to regular routines and schedules as much as possible, or help create new ones in a new environment, including school/learning as well as time for safely playing and relaxing. 

 Provide facts about what has happened, explain what is going on now and give them clear information about how to reduce their risk of being infected by the disease in words that they can understand depending on their age. This also includes providing information about what could happen in a re-assuring way (e.g. a family member and/or the child may start not feeling well and may have to go to the hospital for some time so doctors can help them feel better).

Habits we should all keep after Covid-19

- ★ Supporting small local businesses.
- ★ Making "concern for our most vulnerable" an urgent priority. All caring about it.
- ★ Slowing down.
- ★ Checking in on people.
- ★ Singing from our balconies, together.
- ★ Thinking about what REALLY matters.
- ★ RESTING.
- ★ Realising that we're all in this together.

@ECO^{with}EM-



NAWA MIKONO

Osha mikono yako mara kwa mara, na maji na sabuni nyingi. Osha kwa muda wa sekunde 20



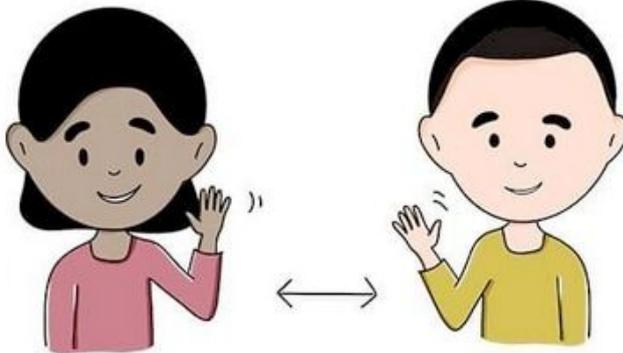
UKIKOHOA AMA KUPIGA CHAFYA

Funika mdomo wako unapokohoa ama kupiga chafya, na tishu au ndani ya kiwiko chako



MACHO, PUA, MDOMO

Mikono inagusa nyuso nyingi na inaweza kuchukua virusi. Epuka kugusa macho yako, pua au mdomo. Virusi huweza kuingia mwilini na zinaweza kukufanya uwe mgonjwa.



EPUKA MAWASILIANO YA KARIBU WAKATI WA SALAMU



KAMA UNAUGUA

Ikiwa una ugonjwa kama mafua, wajulishe watu walio karibu nawe. Ikiwa ugonjwa wako unazidi, tafuta matibabu.



HOW TO:
ONLINE
MAKER
GATHERINGS

BY CAREABLES.ORG

HOW TO:

**ONLINE
MAKER
GATHERINGS**

BY CAREABLES.ORG



This work is licensed under a Creative Commons Attribution 4.0 International License.

Global Innovation Gathering e.V.
Wilhelmine-Gemberg-Weg 14
10179 Berlin, Germany
hi@globalinnovationgathering.org



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 780298.

This is an open document with the learnings on how to organize an online Maker gathering at the time of the Covid-19. The content can be used as guide to organizing other formats of online meetings and events. This document is meant to be a live document that should be updated regularly with learnings from other organizations and individuals.

Do you have something to share or to contribute to this document? scan the **QR code below** or **Contact us here**



version 1.0
check the updated version online:

ABOUT CAREABLES

We are all different than why care for everyone the same?

Each disability, both physical or cognitive, permanent or temporary, should be faced with solutions that address relevant problems, contain costs and, nonetheless, care about aesthetics.

Careables.org is an open and inclusive platform for people to find, share and actively co-create healthcare solutions together, according to your needs, your skills, your interests.

We develop and collect resources that are relevant to learn more about principles and practices to innovate healthcare and to contribute significantly in careables dissemination and distribution.

1.

PRE-GATHERING

Before the event start, Identify your core team, people who are committed to organizing this and preferably have good knowledge of the network and potential contributors. Use a google spreadsheet with different tabs. Make sure you have a To Dos list under one of the Tabs. Reach out to your network and ask them if they are interested to be part of the gathering whether in their role as Speakers/ facilitators or helping in Organization (In our case, this was done through email and writing in WhatsApp Groups- reach out directly to people you think can facilitate or speak during the event.)

- * Create a program with talks, workshops, leisure time, depending on the goals of the event. Make sure to always everywhere refer to one timezone (UTC)

- * Create a Visual identity to your event early on. Preferably in line with the visual identity of your organization. (We used a template from Canva to create a flyer for the event. Make sure your design is inclusive of and representative of the whole community i.e. People of color, people with Disabilities, Women ...etc- include the logos of partner organizations and partner in your posters, flyers and all visuals created.)

- * Create a how-to guidelines aiming at moderations and lead workshops, to allow the event to be more decentralized from the Core organizers (check Chapter on Moderation below)
- * Agree on the platforms to be used during the gathering: Video conferencing and note taking (We used Bloom. StreamYard is also a great option. Both differ on the format - group meeting/ stream+ chat format)
- * Create a shared Document for Notes Taking during the event, prepare it with the Agenda

SOCIAL MEDIA AND REACH OUT

- * Agree on a hashtag for the event to unify social media posts about the event. KISS (keep it short and sweet)
- * Share the event poster on your different platforms
- * Post countdown reminders for the event in intervals - eg 1 week to, 3 days to, 1 day
- * Note down the social media handles/usernames for the speakers and the participating organizations
- * Share some information about the participating organizations
- * Share brief profiles and quotes from the speakers (on why the event is going to be super amazing)
- * If you have sponsors/partners, make a post talking about them and tag them

2.

DURING THE GATHERING

Assign people to note-taking, timekeeping, support with technical problems, announcing on the general chat; time, links from presentations etc.. Ideally, you should aim at having one of the core members in each session to help answer questions and pose questions.

- * We created different rooms with different focus discussion points on Bloom platform where people would break out from the general channel into groups and discuss further for a period of time.
- * They were expected to present their points from their discussion in the main room. It helps if someone takes the role of note-taking early in the discussion and then later presents those points in the general channel.
- * Try to mix different sessions: panels, workshops, drying, yoga sessions and so on.
- * At the end of the gathering, look for calls of actions and see how you can transfer that into a solid outcome.

3.

POST GATHERING

Create a feedback collection tool. Send an email to thank all participants and contributors and ask them for their feedback. Maybe a special email to the speakers and facilitators.

- * Ask speakers and participants to fill in missing notes, send resources that were mentioned during the presentations and were relevant to the discussions.
- * Make sure you formulate the outcome of the gathering in a solid form. i.e.
- * Create a blog post, start a research paper etc.

4.

NOTES FOR MODERATORS

By Platform Africa & ASKnet

Before moderating the discussion requires some preparations before hand, and moderate the discussion. Read the panelist bios. Know your audience. People attending the webinar are generally young, excited about creating positive change in their communities and, therefore, learning how to do so.

- * Prepare a few questions ahead. Based on what you read about the panelists, what are you curious about? What do you think will spark the audience's attention? How can you connect the different panelists' expertise?
- * Join the session a few minutes early to test your video and audio.

During the Session

- * Start by introducing yourself and the webinar to the audience.
- * Ask the audience to engage with the panel. During the session, they can make comments and ask questions using Twitter or Facebook comments.
- * Ask panelists to mute their microphones when they're not speaking. This will reduce interruptions and make the session go smoother. When they want to talk, they can unmute themselves.
- * Introduce the speakers using the bios they provided.
- * Give each speaker 5 - 6 minutes to introduce themselves and their work.
- * Remind the audience that they can ask questions using the comments box.
- * Start moderating by asking one of the questions you've prepared. The first question should be broad enough to give all panelists a chance to answer, and also to lead to potential follow-up questions from the audience.
- * Take questions from the audience. Don't forget to keep time!
- * Ask one final question to sum up what was discussed. If there isn't time for all panelists to answer, recall the main learnings of the discussion yourself.
- * Thank the audience for participating. Announce when the next session will take place.

MORE ON MODERATION

- * Use the online webinar features. During the session, you can make live polls and encourage conversations among the participants.
- * Not all panelists have to answer all the questions. Keeping time and making sure everyone has a fair chance to contribute to the discussion is more important. Even when you have to remind panelists of the time, be polite, and do your best to include everyone in the conversation.
- * During the panel, don't turn off your camera. It might seem rude to the panelists and participants because it can seem as if you're doing something else.
- * Let your roommates, family members (and pets!) know that you're in a webinar session so that you don't get interrupted. Avoid distractions, as your Whatsapp opens on your computer or cellphone.
- * Check your background, a white one is preferred. Make sure everything on the camera seems clean and organized, even your outfit and personal appearance.
- * Start with the objective of the panel, explain what it is about and what is expected before starting the questions.
- * Ask easy questions at first to get acquainted, to then move on to harder, more specific ones.
- * Show interest in what people are saying, listen to what people are saying instead of thinking what you are going to ask next.
- * Ask clarifying questions if something is unclear, or you think it could sound offensive. Instead of assuming, ask.

- * Do not interrupt people when they are speaking, if they are taking too long, it's better to send a reminder of the time that was given via personal chat. Do so politely.
- * Formulate open questions rather than yes or no ones, to ensure creativity and much richer answers.
- * Make sure you ask one question at the time. If you ask more than one, people will answer the easiest.
- * Avoid using suggestive questions, let the interviewed answer without your interference.
- * Make sure you know who the panelists are and their titles, always be respectful.
- * There might be an international audience and speakers, so make sure you talk slowly, enunciating well. Avoid the use of jargon or slang words, and if you do say them, explain what they mean.



ABOUT THE GLOBAL INNOVATION GATHERING

Global Innovation Gathering (GIG) is a vibrant, diverse community of innovation hubs, maker spaces, hacker spaces and other grassroots innovation community spaces and initiatives as well as individual innovators, makers, technologists and change makers.



GIG is pursuing a new vision for global cooperation based on equality, openness and sharing. We aim to enable more diversity in the production of technology, and global innovation processes and support open and sustainable solutions developed by grassroots innovators

.

careables.org

sustainability benchmarking



Careables.org is managed by the Made4You project and has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 780298.

1

careables status quo

What unresolved challenges have we encountered?



Few careables are scaling yet

Most careables are by definition hardly scalable or, if so, are not being scaled yet. However, this is where making starts to be sustainable.



"Decreasing marginal motivation"

While makers and users alike are easy to motivate for hours or few days, motivation drops significantly after a certain period.



In the future, financing needs to come in chunks

What currently works within the framework of project financing might in future have to be replaced by ~~product related financing.~~

service related financing

(1) Spotlight *careables platform*: two 'relative sustainability strategies' seem promising



- Framing *careables.org* as an academy-like vehicle for blended and value-driven learning & education.
- Schools, universities and related programs such as Fab Academy could use *careables.org* to source real life pain points which their students should try to solve.
- Contributing would become obligatory for some, voluntary for others.



- Framing *careables.org* as a civil society-driven initiative to be sponsored by one or two distinguished foundations.
- Ideally, the foundations would sponsor the intermediary overhead, not the transaction between users and makers.
- Contributing would become easier as the matchmaking would be outsourced.

What do we see as the greatest sustainability-related achievements?



Constant increase in built quality & complexity

Careables are becoming increasingly complex and professional during the project.



Outreach corresponds with higher demand

The more outreach we achieve, the more demand for Careables we can sense.



New partners for a relative sustainability

Within the last 6 months, the consortium has discovered new potential partner institutions.

Experiences from GIG network!

2

How are others doing it?

We looked at different kinds of organisations

REPAIR CAFE

 opendesk

 **OPEN KNOWLEDGE MAPS**
A visual interface to the world's scientific knowledge

 **Makers Making Change**
A Neil Squire Program

 **Open Knowledge Foundation**

 **Wikifactory**
+wikifactory

 **ESCOOP**
European Social Cooperative - Cooperativa Sociale Europea · sce

 **ecsa** | European Citizen Science Association

Foundations/
Associations

Programme/
Platforms

European Cooperative

REPAIR CAFE

started in Amsterdam in 2009; **foundation** registered in 2010; 2067 repair cafes worldwide

founder + 3-5 employees work in central office

everyone can open a repair cafe following 4 basic rules

services are for free; visitors are asked for donations to cover costs of local repair cafe

financial income for foundation: Fee (45 € voluntary) for digital starterskit (logo, posters etc), Fee to become a member (one-time fee, no recurring service fee), Donors (with donation button on website), Three financing bodies (foundations)



Open Knowledge
Foundation

non-profit organisation registered in the UK 2004 as company limited by guarantee

network of **local chapters** who are legally independent

offers trainings and consulting, research, community management and technology solutions, events for the community, campaigns, projects

funding: via regular or one-off donations; grants; important funding organisations: such as Shuttleworth Foundation, Adessium Foundation, Wellcome Trust, Alfred P. Sloan Foundation, International Development Research Centre, The William and Flora Hewlett Foundation, CIVICUS, Hivos, Omidyar Network, Luminate, Sigrid Rausing Trust, Indigo Trust



OPEN KNOWLEDGE MAPS

A visual interface to the world's scientific knowledge

charitable non-profit **association** under Austrian law

they offer training materials and consultancy on visualising research finding

community programme/enthusiast programme where you can use their training material

membership model: Supporting member EUR 2,800 per year (1 seat on the Board of Supporters (BoS), listing on website), Sustaining members EUR 4,800 per year (2 seats on the BoS, listing on website and in select materials with logo) Sustaining members PLUS EUR 9,800 per year (3 seats on the BoS, listing on website and in select material)



European
Citizen Science
Association

non-profit organisation; legally established **association** under German law

offers events, webportal, conference, knowledge exchange of Citizen Science community, working groups

small central office with staff; around 250 members (individuals and organisations)

financing: via grants and annual membership fees (100€ per organisation; if you have less than 5 employees the fee is 50€)

Foundations - Associations - Non-profit

What do they have in common?

network character, but all are **legally registered in one country!**

small central structure for core management, organisational, support activities

unique in their field of expertise (e.g. being the first, being the most visible, well connected; good expertise,)

Board of directors - decision taking body

Network of Partners - for funding and collaboration

3 basic options

1. loose structure (one is responsible for central contact, one for website, one for this, this, ...)
2. new association, own legal & admin structure – could be in the Netherlands
3. under existing legal & admin structure – i.e. GIG -> could be with extra advisory/supervisory board, handling overhead)

loose network structure - no formal organisation

- establish a **careables board** assigning responsibilities
- define minimum tasks and commitment
- based on voluntary contributions
- regular online meetings
- collaboration tools (e.g. continue using nextcloud for sharing documents)

loose network structure - no formal organisation

pros

- easier to set up
- no legal registration necessary

cons

- less commitment
- cannot manage any grants or funding

opportunities: WAAG, GIG, Opendot,...

WAAG: commitment; could establish an association (example: TextileLab has set up new foundation, located in Italy, with cash contribution but refund through committed work)

GIG: part of the GIG structure; own programme; own board; etc. but use their organisational structure

Input partners: what activities can/will you do?

- ❑ Agile/Heap: probably further wishes to be part of Careables, working on getting further funding for Careables beyond 2020
- ❑ GIG: offering their legal & admin structures as charitable organisation as umbrella; also would contribute to another association/foundation
- ❑ Waag: aims to continue MakeHealth, but needs project funding; pushes for other places to take up Make Health and Careables programme; for association: needs to discuss with management board about legal structure for the future; needs funding for activities
- ❑ Open Dot: wants to continue; find synergies between Careables and FabCare group (part of Fab Foundation)
- ❑ TOG: interested in being part, committed to work further in the field; cannot lead, currently changing its legal structure,
- ❑ KULeuven: no real organisational commitment (if there is no funding such as EC funds), but personal interest in continuing from Erik & Elisabetta and write similar proposals together
- ❑ ZSI: could contribute, but not create the association
- ❑ Wevolver: host+maintain welder platform for 5 years (wevolver focusing more on professional engineers as target group; professional health engineering could be part of it)

Other interested parties: what activities can/will you do?

- ❑ be able
- ❑ GIG member hubs

Partnerships: how to best establish them? what can we offer them?

e.g. with MedTech companies, other networks,

3

what does careables offers?

Our project has different layers which need to be taken into account first



Individual Projects

What is careables?

we are a platform & knowledge base

what do we want to become?

- a brand?
- a movement?
- a network?
- a community?
- a charity?

What do we offer?

Minimum?

- a platform for hosting DIY healthcare products
- training material

Additional?

- a brand
- consultancy
- legal advice
- platform/channel to connect & community management
- events: training, co-design, ...

4

Cost Structure

Cost structure

welder.app

- server & hosting: 750-1.000€/month
- maintenance: 1.000 - 1.500€/month
- yearly costs: 60.000 - 90.000€

careables.org

- hosting, maintenance: 7.000€/year

Central coordination, admin

- 3 PM (¼ appointment): 30.000€

Branding, marketing, events, trainings

- personnel: 20.000 - 50.000€
- material costs: 30.000€
- subcontracting: variable depending on activities

TOTAL: min 150.000€/year

5

Possible structure for careables

careables association/foundation

established in one country in Europe as non-profit organisation

offers:

- . branding
- . material on how to run careables session
- . training & consultancy on co-creation of careables
- . training & consultancy on how to document a careable
- . legal advice on licenses and other aspects related to open health products
- . consultancy on open hardware for health & care (standards)
- . events

careables association

funding:

- . consortium members are founding members and pay a small fee (either in money or by dedicating resources to careables)
- . membership model
- . members are mostly fablabs or healthcare institutions (or?)

**careables
fan**

free

**careables
friend**

50 €

branding
package

**careables
family member**

200 €

branding
package; events
briefing

careables foundation

funding:

. supporting founding members (e.g. foundations); finding foundation(s) that would be willing to sponsor initially

. donation model

careables fan any amount	careables friend 2.000 € Board of supporters website listing	careables family member 5.000 € Board of supporters website listing logo at events, material etc.
------------------------------------	--	---