



Onboarding Citizen Science and the role of research libraries: barriers and accelerators

#LIBER2021 - 23 June 2021



Setting the Tone

- Only the **presentation parts** of this workshop are being **recorded**. You will have access to the recording later.
- **Turn on your camera**, if you can and want.
- **Mute yourself** until you speak.
- Participate and enjoy!



Project:



SSHOC
social sciences & humanities open cloud



Horizon 2020
European Union Funding
for Research & Innovation

Type of action & funding:
Research and Innovation action
(INFRAEOSC-04-2018)

Partners: 48

(23 beneficiaries + 25 LTPs)

SSH ESFRI Landmarks and Projects
& international SSH data infrastructures

Project budget:

€ 14,455,594.08

Duration: 40 months

(January 2019 – 30 April 2022)

Project website:
www.SSHOpenCloud.eu



Objectives:

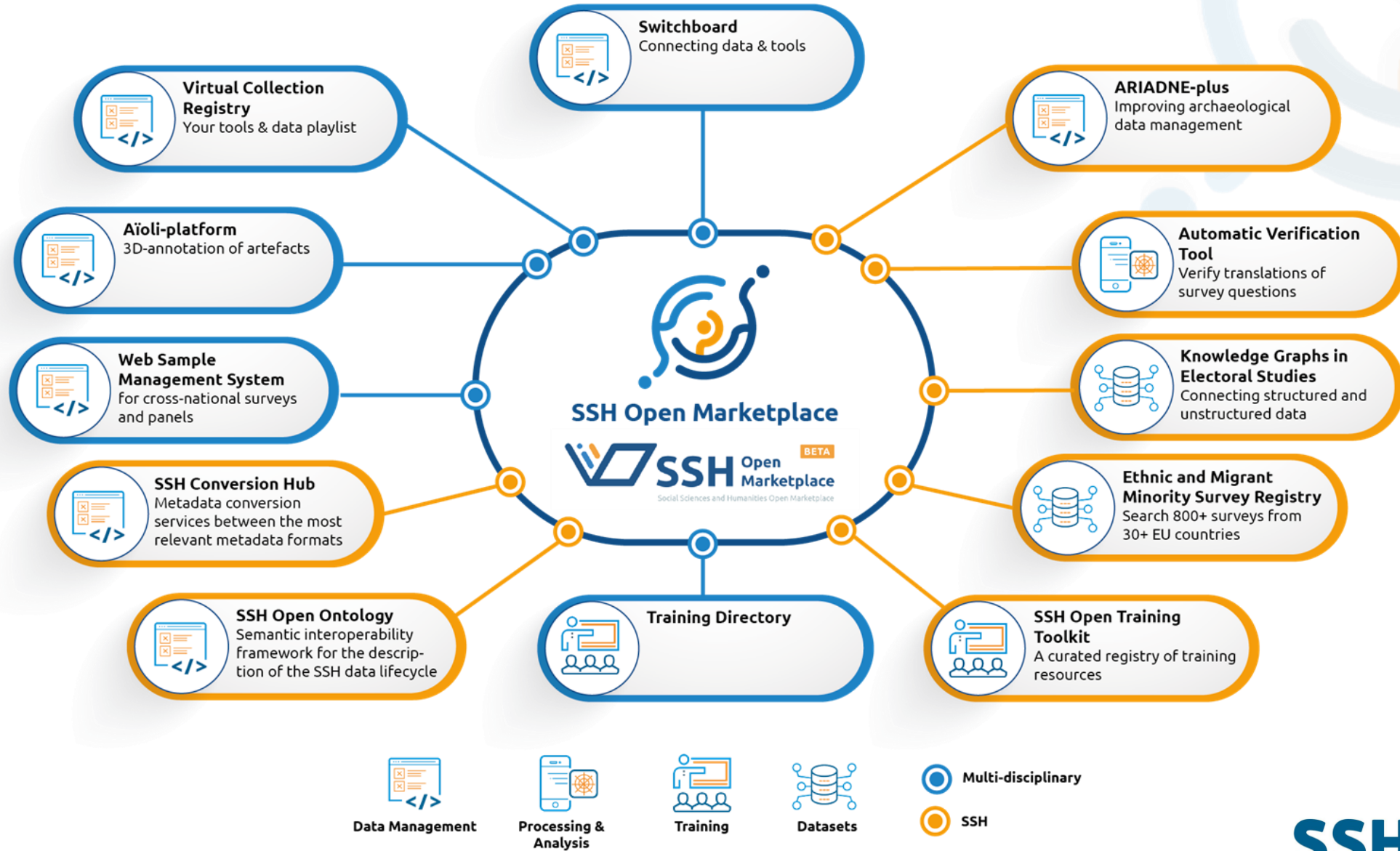
- creating the social sciences and humanities (**SSH**) part of European Open Science Cloud (**EOSC**)
- maximising **re-use** through **Open Science** and **FAIR** principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)
- establishing appropriate **governance model** for SSH-EOSC



SSHOC partners



SSHOC Key Exploitable Results



ESFRI domain distribution



● Social Sciences
● Humanities



Thomas Kaarsted
University Library of
Southern Denmark



**H el ene
Schwalm**
INOS



Marieke Willems
Trust-IT



Alessia Smaniotto
EHESS



Tiberius Ignat
Scientific Knowledge Services



Anne Kathrine Overgaard
University of Southern
Denmark



Tanya Yankelevich
LIBER



**Angela Justamente
Rodriguez**
COS4CLOUD

#LIBER2021
23 June 2021



Agenda

13.30 - 14.15 Short Presentations

- Tanya Yankelevich (SSHOC)
- Alessia Smaniotto (COESO, EHES)
- Thomas Kaarsted (LIBER CS WG)
- Anne Kathrine Overgaard (SDU CS Knowledge Center, LIBER CS WG)
- Tiberius Ignat (Scientific Knowledge)
- H el ene Schwalm (INOS, University of Bordeaux)
-  ngela Justamante Rodr guez (COS4CLOUD, CREAM)

14.15 - 15.20 Collaborative work on Google Jamboard

15.20 -15.30 Polling your level of onboarding” in Citizen Science



Thank you for your attention!

Join our community



<https://www.sshopencloud.eu>



@SSHOpenCloud



info@shopencloud.eu



[/in/company/sshoc](https://www.linkedin.com/company/sshoc)





COESO

connecting research and society

Enabling Citizen Science in the Social Sciences and the Humanities

A framework for COLlaborative Engagement on SOcietal issues

Alessia Smaniotto

Onboarding Citizen Science and the role of research
libraries: barriers and accelerators

Online event - LIBER Conference 2021, **23 June 2021**



COESO project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 101006325



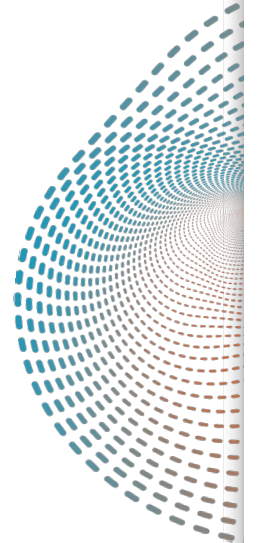
COESO project



COESO will contribute **overcoming the obstacles that hinder the development of Citizen Science in the SSH**, facilitating and supports participatory research in SSH, through a service-first approach.

Ten Citizen Science pilots will represent a variety of disciplines, societal challenges and types of engagement with citizens in different European countries.

COESO project will **develop a Virtual Ecosystem for Research Activation (VERA)** and will **collaborate with research funding organizations** to enhance financial support to Citizen Science. It will explore the frontiers of innovation in SSH public engagement through **mutual learning** and **transmedia writing**. “Cooperation analytics” will be designed to **measure the quality of collaboration** between researchers and citizens.



15 Partners, 3 third parties, 6 countries



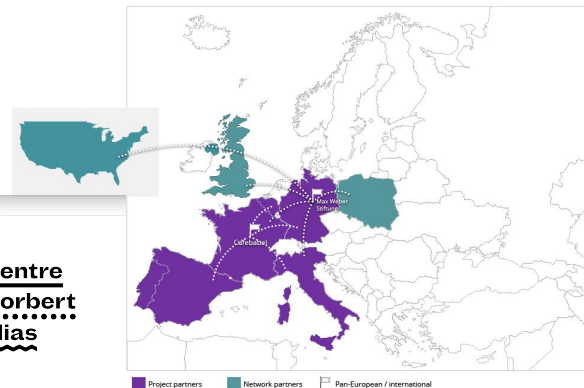
Coordinated by:



Funded by:



Integrated to:



Partners:



CRRIA

Max Weber
Stiftung

Deutsche
Geisteswissenschaftliche
Institute im Ausland

SciencesPo
CENTRE FOR EUROPEAN STUDIES
AND COMPARATIVE POLITICS



CAFÉBABEL



crime&tech
Powered by Transcrime



Third Parties:



Building on Hypotheses.org



International academic blogging platform dedicated to the SSH



OPENEDITION SEARCH Q | All OpenEdition

Academic blogs

An EOSC service



FEATURED POSTS



Prof. Dr. Francisco García-Jurado - Retirer la Le Antiquedad

AURIANE F. - MONDE DU LIVRE 17 JUN 2021

Le Phénomène Wattpad : la plate-forme fête ses 15 ans

Présentation : Fondée en décembre 2006 par les entrepreneurs canadiens Allen Lau et Ivan Yuen, la pl...

FLORIAN METRAL - INVESTIGATIO 17 JUN 2021

« Albert Brenet, un Peintre de Marine du XXe s...

Depuis 1830, la Marine française entretient un corps d'officiers t...

MARIE LE CLAINCHE-PIEL - CORTEM - LES CORPS TÉMOINS 17 JUN 2021

Portrait d'Elodie Fornezzo, sociologue

Elodie Fornezzo est doctorante en sociologie à l'Université de Lorraine et s'intéresse ...

MAUD LIEB - CONTREPOINTS 17 JUN 2021

Obésité : histoire sociale et médicale d'un phénomène civi...

L'obésité, un phénomène moderne ? Pas vraiment, quand on sait que les premières représentations de ...



Find resource...

All resour... ▾



My EOSC Mark

Resources > Processing & Analysis > Data Management > Discovery > OPERAS Research for Society (Hypotheses)



OPERAS Research for Society (Hypotheses)

The research blogging service in SSH to address societal challenges

Organisation: [OpenEdition](#)

☆☆☆☆☆ (0.0/5) 0 reviews



Add to comparison



Add to favourites

Access the resource

OPEN ACCESS

Webpage

Helpdesk e-mail

Manual

Ask a question about this resource?

ABOUT

DETAILS

REVIEWS (0)

The Research for Society Service is designed to be an interactive platform between SSH researchers and the society at large. Developing the practices of academic blogging, the hypotheses.org platform already offers to SSH researchers the ability to build an open conversation with socio-economic actors, more particularly regarding the societal challenges.

SCIENTIFIC CATEGORISATION



Social Sciences



Humanities

Building on Hypotheses.org



- Innovations in scholarly communication
- Open to participatory approaches

Hypotheses

OPENDITION SEARCH 🔍 Tout OpenEdition

PLACES

PLATEFORME COLLABORATIVE POUR LES SCIENCES SOCIALES

Recherche sur le site du projet PLACES!

Le premier objectif du projet PLACES est d'aider des chercheurs et des journalistes à travailler main dans la main sur une même enquête. C'est-à-dire à définir un sujet précis, à explorer un terrain et à en produire une analyse collective, voire à produire ensemble le produit final qui sera utilisé.

→ Trois pages pilotes ont été construites en ce sens. Ils rassemblent chacun un.e chercheur.e et un.e journaliste. Ils ont tous autorisés pour mener leur enquête à terme.

LES PROJETS

- **PLACES** : Plateforme collaborative pour les sciences sociales
- **PLACES** : Plateforme collaborative pour les sciences sociales
- **PLACES** : Plateforme collaborative pour les sciences sociales

Hypotheses

OPENDITION SEARCH 🔍 Tout OpenEdition

SigilAI

Sigillographie participative de l'Alsace et du Rhin supérieur

A propos

Carte de recherche sur un projet en sciences participatives associant des enseignants-chercheurs de l'Université de Strasbourg, les députés d'Alsace et du Rhin supérieur, la Fédération des sociétés d'histoire et d'archéologie d'Alsace et des citoyens issus de la société civile. Sigil.AI entend numériser (sous forme de photographie) tous les sceaux conservés dans ces dépôts, les analyser et les verser, avec leur fiche descriptive, dans la base nationale SIGILLA (hébergée par Humnum).

FAVORIS

- ARCHE - UR3400
- ALIBIA
- Centre des AD 47

Hypotheses

OPENDITION SEARCH 🔍 Tout OpenEdition

CITIZEN SCIENCE IN DEN GEISTSWISSENSCHAFTEN. BLOG-NEWSLETTER APRIL 2021

Zusätzlich geförderter Workshop mit der British Crown Science in den Geisteswissenschaften get together. Workshop in der

Hypotheses

OPENDITION SEARCH 🔍 Tout OpenEdition

urbain.e.s

LES PROJETS DE LA VILLE, PARTICIPATION, LEKADOU (JOURNAL ET SITE) UNE ÉQUIPE DE RECHERCHE PARTICIPATIVE

Hypotheses

OPENDITION SEARCH 🔍 Tout OpenEdition

RENCONTRES À VENIR

17 et 18 novembre 2020 à 19h30 à la bibliothèque de la Ville de Paris, 15 avenue de la République à Paris 11^e arrondissement

Le 20 novembre 2020 à la bibliothèque de la Ville de Paris, 15 avenue de la République à Paris 11^e arrondissement

Trainings of the SSH communities, in partnership with Libraries

Blogs de Humanides y ciencias sociales



BIBLIOTECA UNED

La **Biblioteca de la Universidad Nacional de Educación a Distancia** (UNED), con sede en Madrid, es un centro de recursos continua, al servicio de la comunidad universitaria. Nuestra misión es proporcionar recursos y servicios de información de fácil conocimiento para la consecución de los objetivos de nuestra universidad.

La Biblioteca UNED es la encargada de la gestión del portal hispanohablante es.hypotheses, tarea que realiza en colaboración blogueros en cuestiones técnicas y editoriales tanto a través de una lista de distribución como del blog La casa de los blogs, li objetivos de la plataforma.

Datos de contacto

Dirección:



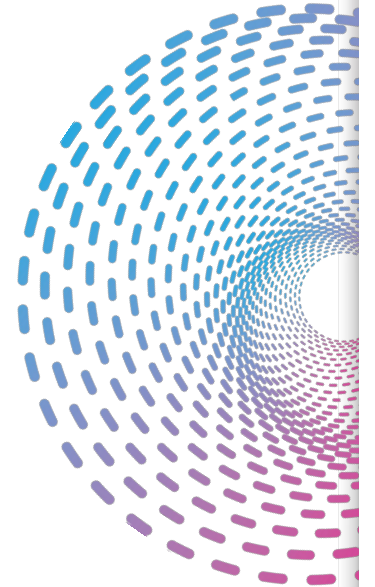
Bibliothèque universitaire des langues et civilisations

Enhance participatory research in the SSH



COESO builds a service contributing to:

- overcome the lack of visibility and recognition of the SSH contribution to citizen science
- overcome what hinder the development and funding of participatory research within the SSH disciplines



Ten pilots, ten different models of interaction



5 in-built pilots

Pilot 1 - Mass tourism and urban transformations

Societal challenge: How to promote dialogue and reduce tensions at the local level in urban communities

Bridging: History and Social anthropology researchers with sustainable development association members, local inhabitants and local authorities

Pilot 2 - Dancing Philosophy

Societal challenge: how empowering people to emancipate from social stigmas and develop a stronger sense of autonomy

Bridging: Philosophy and performance studies researchers with dancers and choreographers

Pilot 3 - Social evolutions through the common reuse of properties confiscated to mafias

Societal challenge: How to elicit good governance practices

Bridging: Political scientist and journalists with inhabitants of areas impacted by organized crime

Pilot 4 - Accessibility and appropriability of tools and databases for journalists to foster investigative reporting's impact

Societal challenge: How to tackle corruption, collusion and inequality risks in civil society

Bridging: Social scientists with investigative journalists

Pilot 5 - Growing Migrant Knowledge: Contemporary and historical perspectives

Specific challenge: How to develop systemic collaboration for addressing migration issues

Bridging: historians with lay citizens and practitioners from governmental sectors and NGOs

5 more to come
through an Open Call

Is it “Citizen Science”?



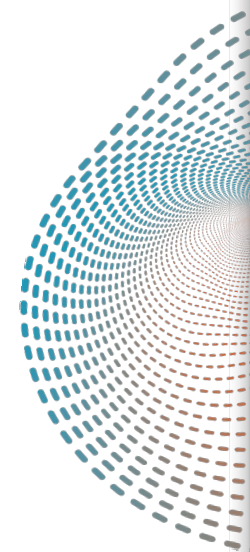
- shared research question(s) tackling a common societal challenge
- shared methodology for data collection and analysis
- shared production of new research outputs
- working together while respecting each other's epistemic culture

*“Citizen science is a common name
for a wide range
of activities and practices.”*

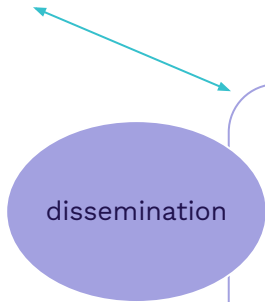
(ECSA's characteristics of citizen science, April 2021)

*“There are many forms of participatory research, but they all have one thing in common:
the conscious acknowledgement, to varying degrees, of non-academic knowledge.”*

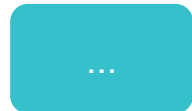
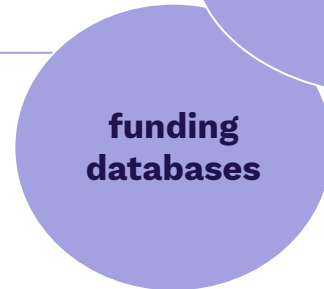
*(Frédérique Jankowski et Joëlle Le Marec, «Recherche participative et gestion des ressources naturelles»,
Conférence description, April 2011)*



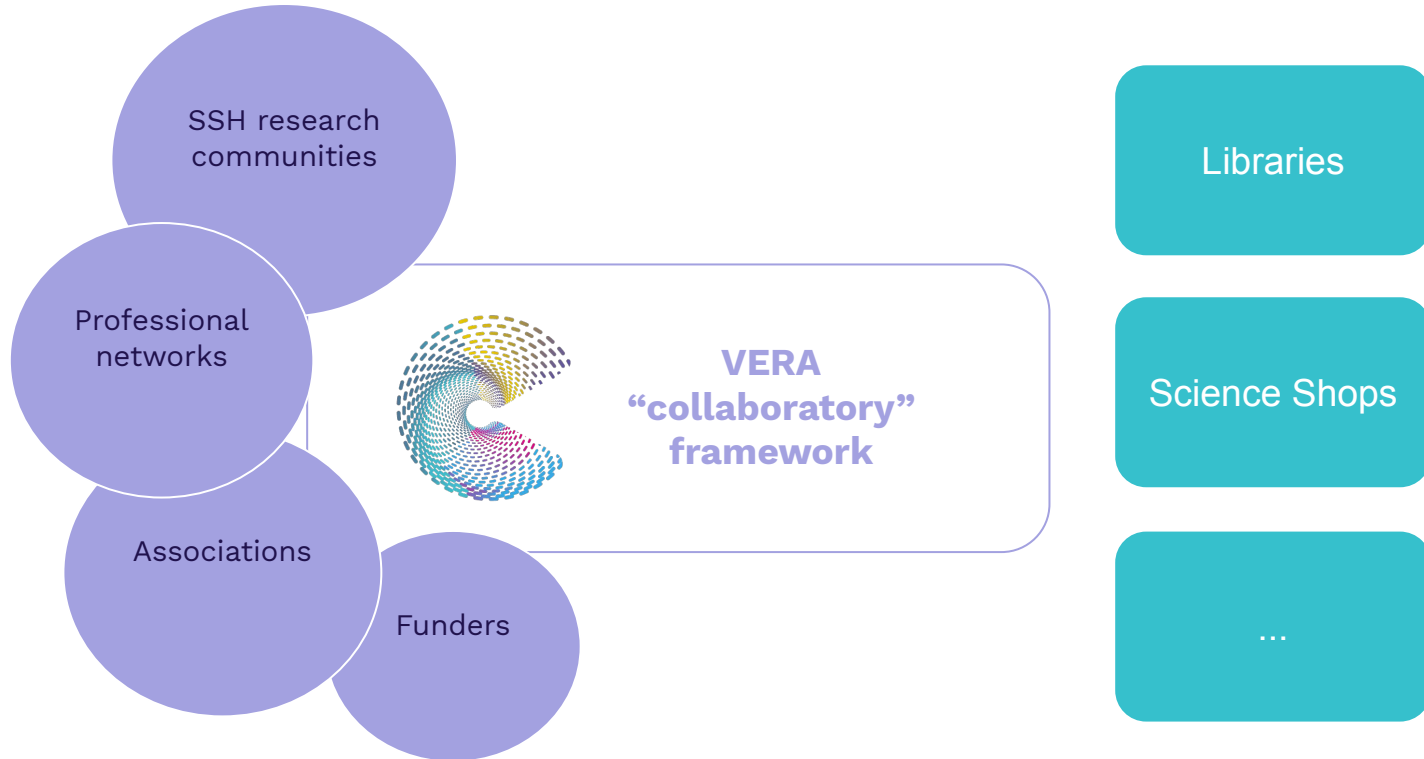
Bridging communities' platforms and tools in the digital space



VERA
"collaboratory"
framework

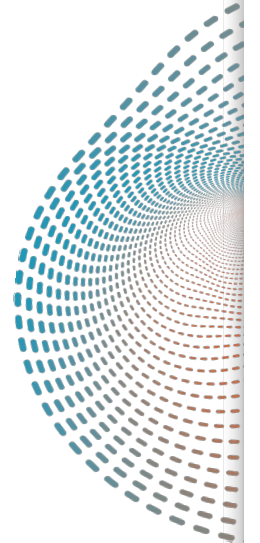


Bridging the digital and physical places



Conclusions

- So many citizen science practices within the SSH out there
- need to highlight them
- need to support them
- need for a common effort to build sustainable environments for citizen science practices in the SSH





COESO

connecting research and society

Thank you

alessia.smaniotto@openedition.org



COESO project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 101006325





BELGRADE 50th Annual Conference
ONLINE
23 -25 JUNE

Thomas Kaarsted (LIBER CS WG)

CC-BY



As shown in a SSHOC workshop in November 2020 libraries can play a core role in Citizen Science. They could facilitate that CS within SSH could take off – also libraries can offer tools and infrastructure



THE LIBER CITIZEN SCIENCE WORKING GROUP



The [LIBER Roadmap to Open Science](#) makes a set of four strong recommendations to European research libraries, recommendations which remains guidelines for our working group. Accordingly, the WG have agreed to the following strategic directions:

1. Projects

3. Partnerships

5. Building infrastructure

2. Staff development

4. Advocacy

6. Research Librarians Guide



WHAT CAN LIBRARIES CONTRIBUTE

FROM THE LIBER CITIZEN SCIENCE WORKING GROUP



Skills: Citizen Science skills development for staff, researchers, and the public

Infrastructures: As being active in the development of infrastructure for researchers to carry out Citizen Science

Good [open] scientific practice: as managing bodies around knowledge libraries that can translate good [Open Science] scholarly practice into new Citizen Science fields

Guidelines: develop guidelines for Citizen Science activities involving the library



My goal for The Workshop

Advancing SSH progress by showing onboarding in practice by discovering relevant competences and services.





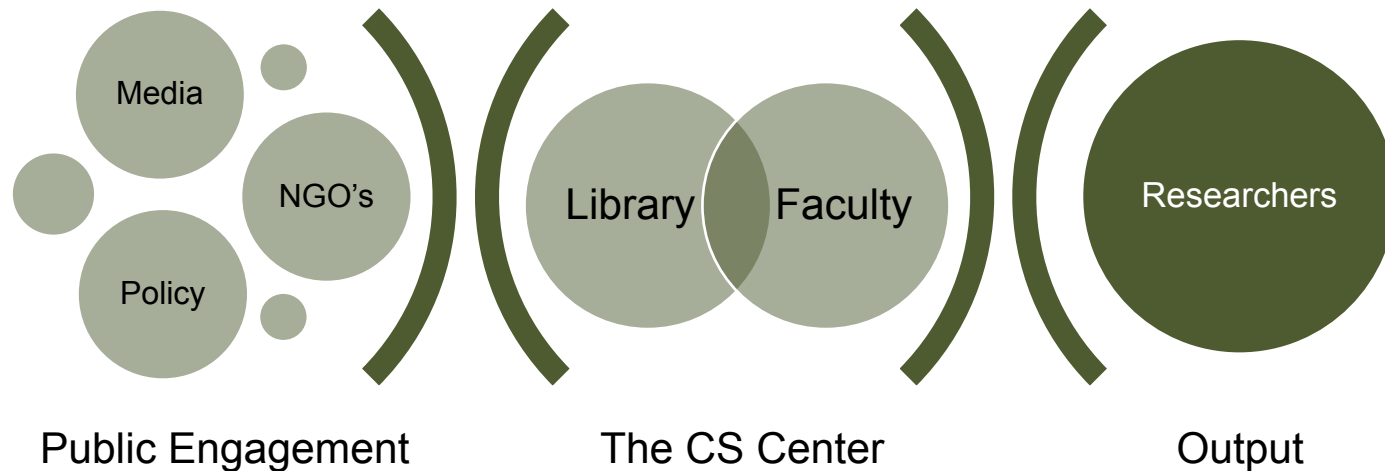
SDU KNOWLEDGE CENTER SOCIAL SCIENCE & HUMANITIES

Anne Kathrine Overgaard, SDU

LIBER2021, June 23, 2021

Drawing: Frits Ahlefeldt during the first Danish Citizen Science Symposium

THE KNOWLEDE CENTER (BESPOC)





Participation in citizen science

Level 4 'Extreme'

- Collaborative science – problem definition, data collection and analysis

Level 3 'Participatory science'

- Participation in problem definition and data collection

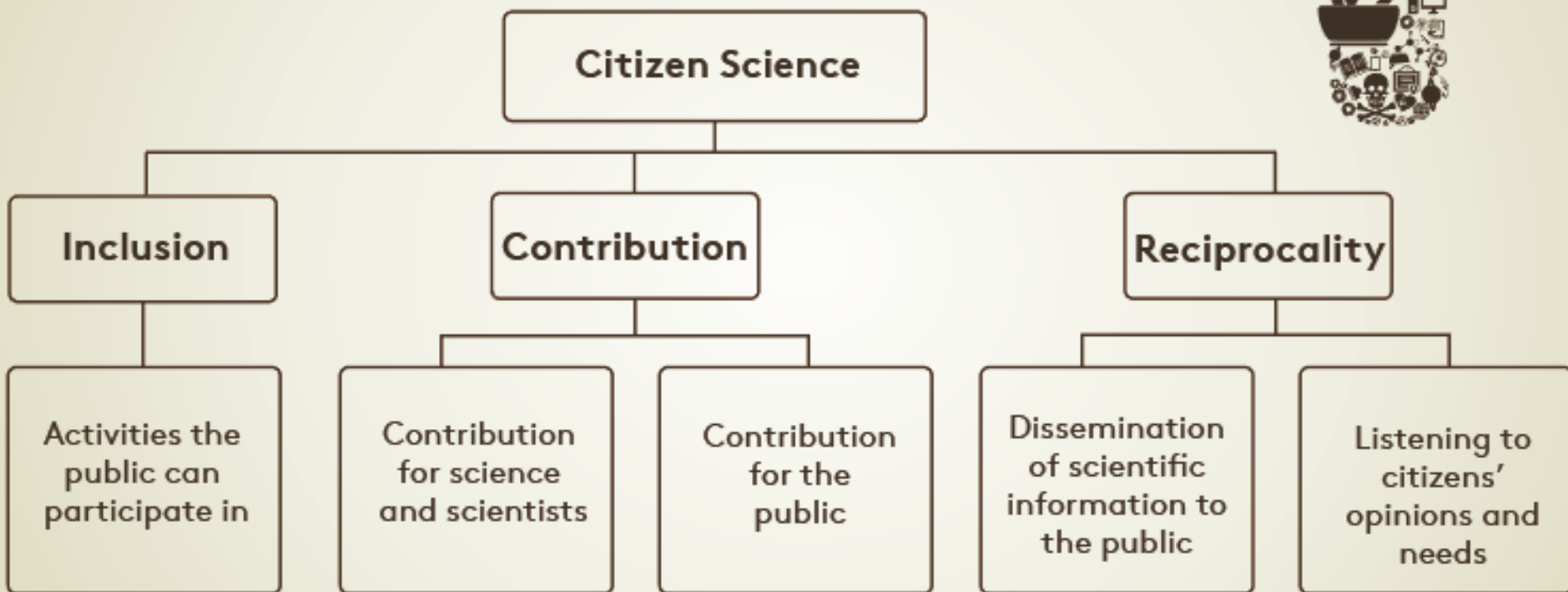
Level 2 'Distributed intelligence'

- Citizens as basic interpreters

Level 1 'Crowdsourcing'

- Citizens as sensors

Hvad er Citizen Science?



KOMMUNIKATION – PARTNERSKABER – TVÆRVIDENSKABELIGE FORSKNINGSPROJEKTER

(Kilde: Golumbic et al. 2017)



NET





MY GOAL FOR THE WORKSHOP

Advancing SSH progress by discussing concrete examples and possibilities for your libraries with participants and making new connections



BESPOC and EOSC

Tiberius Ignat (Scientific Knowledge Services)

**Onboarding Citizen Science and the Role of Research Libraries:
barriers and accelerators**

LIBER Online Annual Conference: July 23rd 2021



Recommendations for institutions

For universities, the recommendations are to:

1. Recognise citizen science as an evolving set of research methods, as well as its societal and educational benefits;
2. Consider creating, where viable, a single point of contact for citizen science within the institution, to advise scientists and ensure liaison with national and regional citizen science initiatives;
3. Raise awareness amongst researchers of criteria for successful citizen science, including community management, pedagogical practices, open science standards and social, intergenerational and gender diversity policies issues.
4. Ensure that proposals to granting bodies for citizen science projects include long-term commitment for infrastructures and data repositories, in line with other research projects with long-term scientific or societal benefits;
5. Ensure that project participants comply with ethical, legal and privacy regulations relevant to the scope of a given citizen science project, and have access to professional advice for this purpose;
6. Adapt research evaluation and reputation systems to include metrics that can characterise projects with a high societal impact, such as successful citizen science projects, and develop ways of assessing citizen participation.

CITIZEN SCIENCE AT UNIVERSITIES: TRENDS, GUIDELINES AND RECOMMENDATIONS

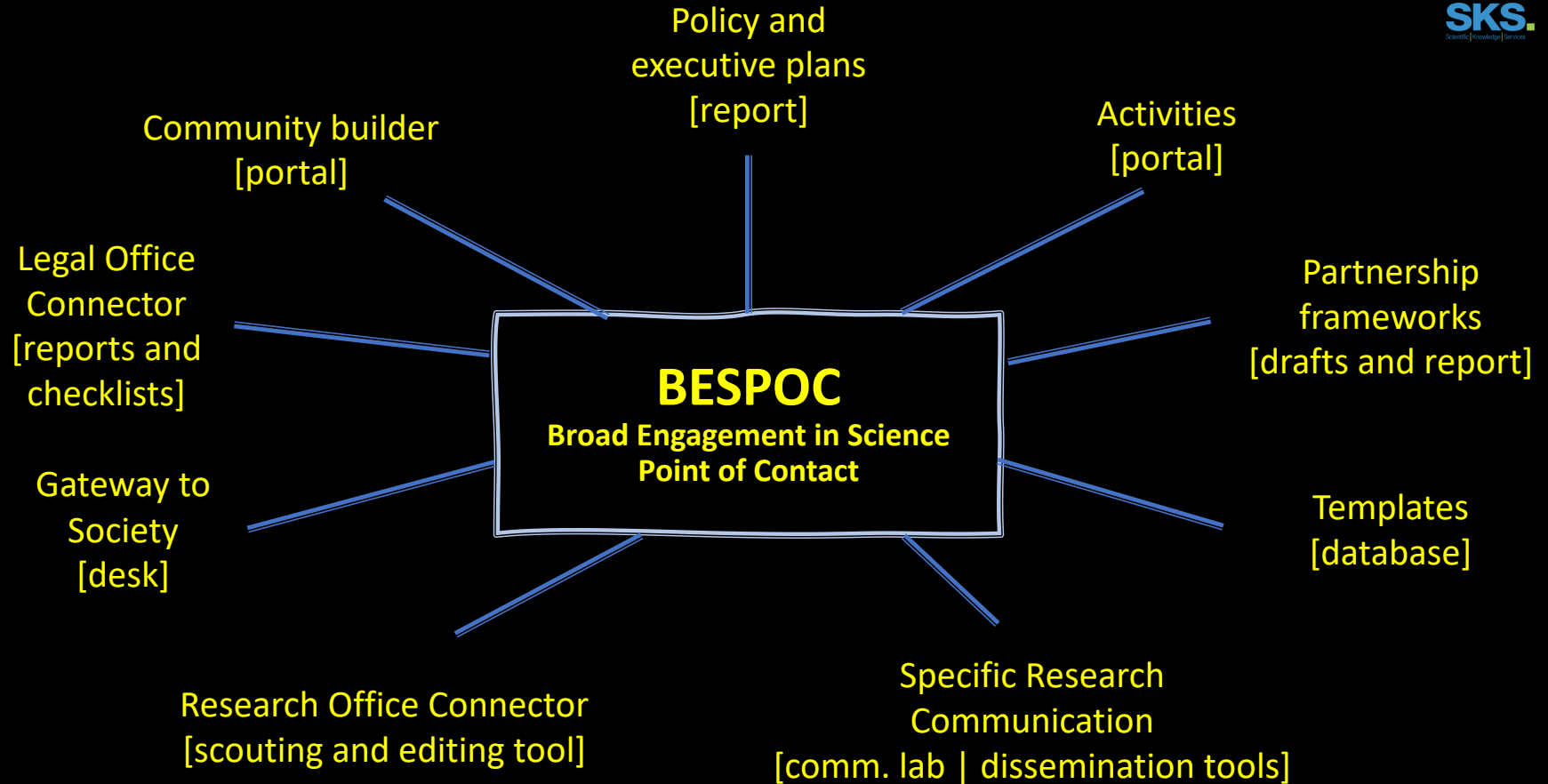
LERU
ADVICE PAPER no.20
(2016)

LEAGUE OF EUROPEAN RESEARCH UNIVERSITIES

University of Amsterdam - Universitat de Barcelona - University of Cambridge - University of Edinburgh
University of Freiburg - Université de Genève - Universität Heidelberg - University of Helsinki
Universiteit Leiden - KU Leuven - Imperial College London - University College London - Lund University
University of Milan - Ludwig-Maximilians-Universität München - University of Oxford
Pierre & Marie Curie University - Université Paris-Sud - University of Strasbourg
Utrecht University - University of Zurich

BESPOC

Broad Engagement in Science: Point of Contact



PRIVACY-BY-DESIGN, NO TRACKING WEBSITE

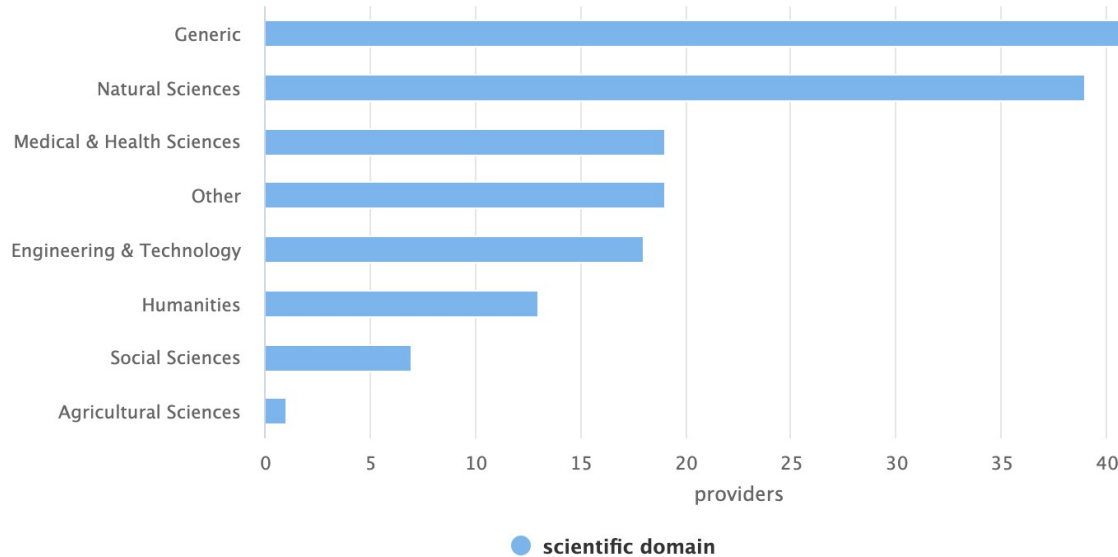
Citizen Scientists Investigating Cookies and App GDPR compliance.

(CSI-COP)

<https://csi-cop.eu/>

BESPOC in EOSC's Marketplace

Scientific domain
(top 10)



These images are screenshots of EOSC's Marketplace. Retrieved: 2021-06-21

**Citizen
Science -
Areas of
Competence**



Enhance Scientific
Research



Address Societal
Needs



Education and
networking

The Value of BESPOC

- nurtures a community of curious minds
- educates people
- consolidates trust in research

Evidence vs Misinformation

Sustainable Development vs Manipulation

Researchers:

better citizens, contributing more.

Tiberius Ignat



Scientific Knowledge Services

www.knowledge.services

[linkedin.com/in/tiberiusignat](https://www.linkedin.com/in/tiberiusignat)

Experimenting Open and Citizen Science
at the university of Bordeaux within the
INOS Project
Hélène Schwalm

LIBER Conference
*Onboarding Citizen Science and the role of
research libraries: barriers and accelerators*
June 23 2021

A position as an interface between science and society

- UBx is a large multidisciplinary university in « transition » : 2 roadmaps (environmental and societal, open science)
- An university engaged in a global and participative reflection for 2030:
 - Accompany the scientific mediation by modernizing it: scientists as referents (« manip confinées »)
 - Create some intermediate spaces, virtual or real to capitalize on the citizens' needs: « Tiers lieu »,...
 - Acculturate to participation: participative budget,...

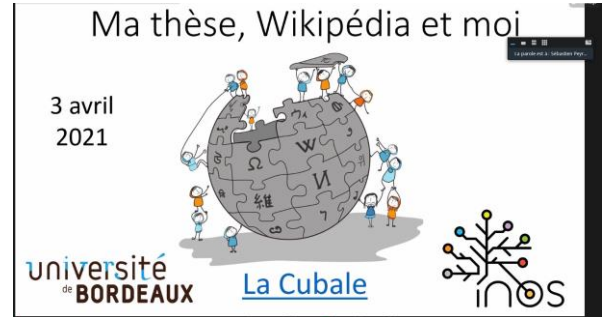


- Innovation Opportunities Office: design new programs that are relevant for the innovation ecosystem and pilot them with the academic staff, students, admin staff and partners
⇒ implies breaking down the university silos by connecting communities around these pilot programs.

Acculturate to open science and citizen science by experimenting new formats, notably open innovation activities

A collaboration with the Library Department: “landing projects”

- « My thesis on wikipedia »: PHD students, civic society (Wikipedists)
- Impacts: production of sourced information, training in scientific integrity and new position of the university role



EXPERTISE

Library
Dpmt

Concept
and data

Mediation

Analysis

Innov
Dpmt

Communication
support

Evaluation
support

Scaling support

CATALYST



Cos4Cloud

Co-designing Citizen Observatories Services
for the European Open Science Cloud

LIBER 2021

Ángela Justamente
Cos4Cloud communication



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 863463



COORDINATION



COLOMBIA



FRANCE



GERMANY



GREECE



NETHERLANDS



SPAIN



SWEDEN



UNITED KINGDOM



What is citizen science in Cos4Cloud?

Cos4Cloud, an European project to boost citizen science technologies.



Integrate citizen science in the European Open Science Cloud (EOSC) landscape



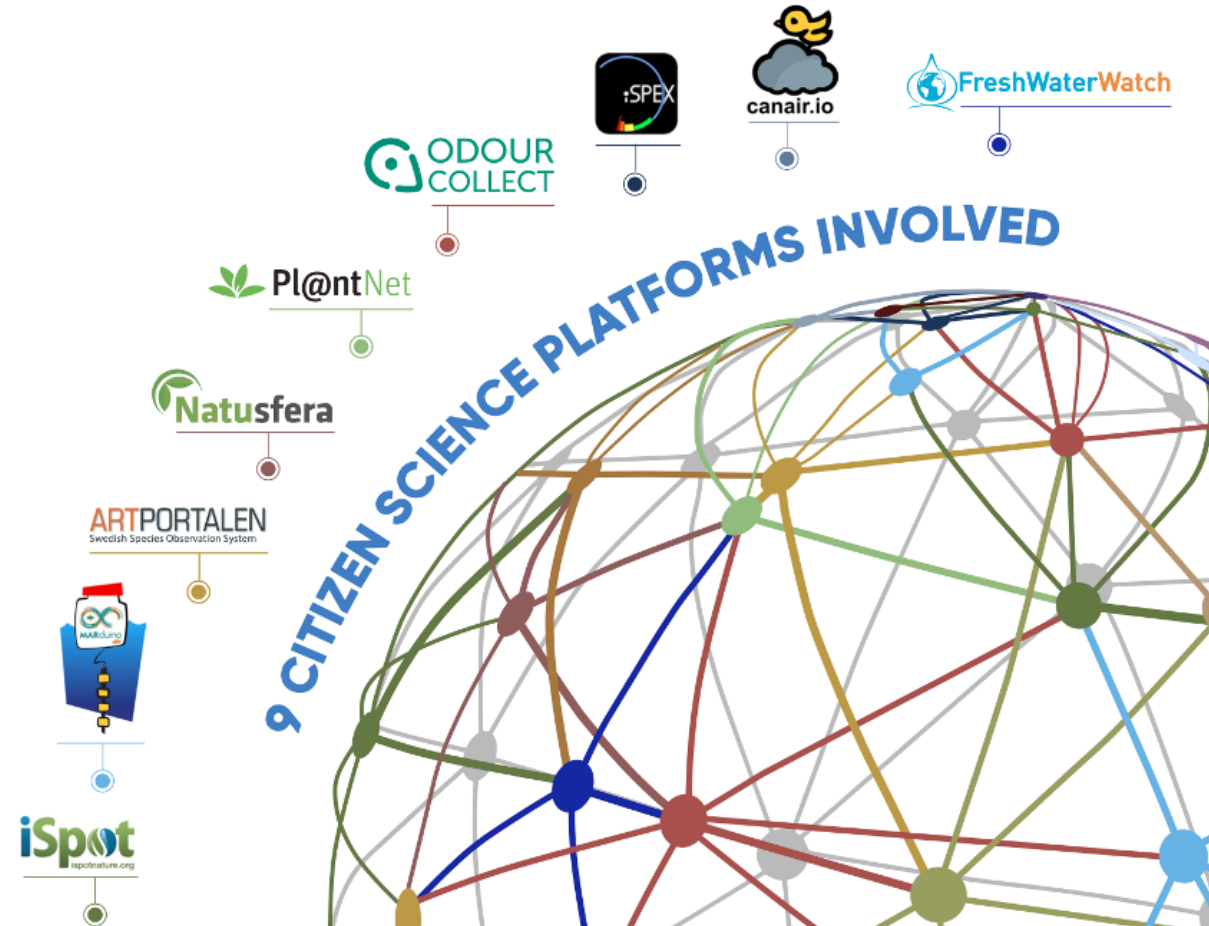
Co-design and develop 11 user-centered and innovative services to increase the quantity and the quality of observations.



Cos4Cloud services are built hand-in-hand with citizens, scientists, developers, naturalists, and all the scientific community - and tested collaboratively.



Contribute to ensuring the sustainability of the citizen observatories.



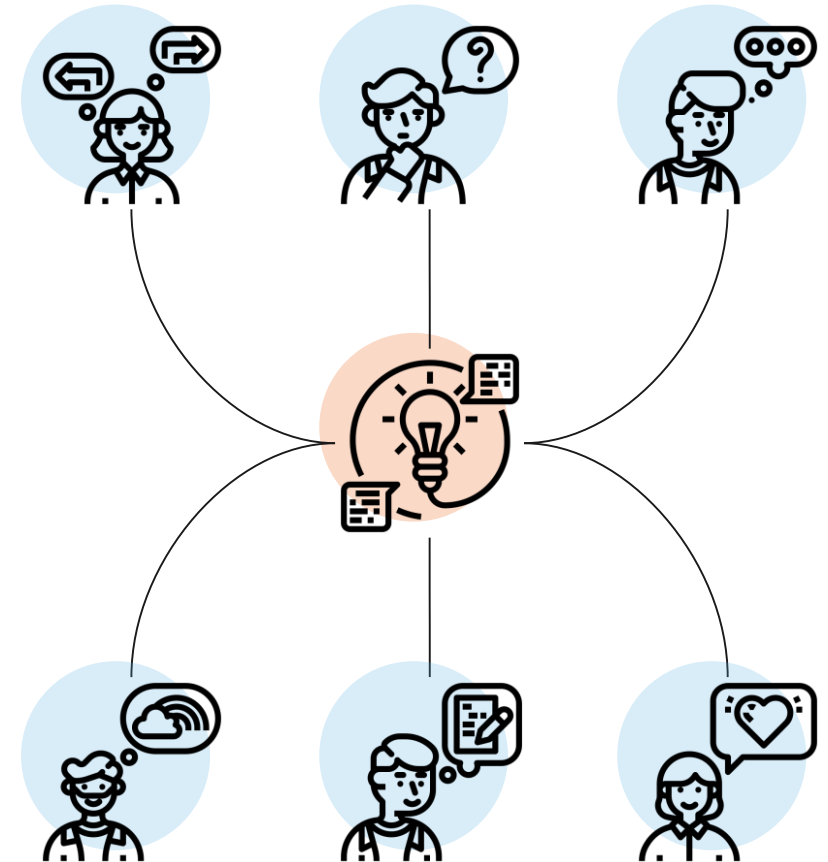
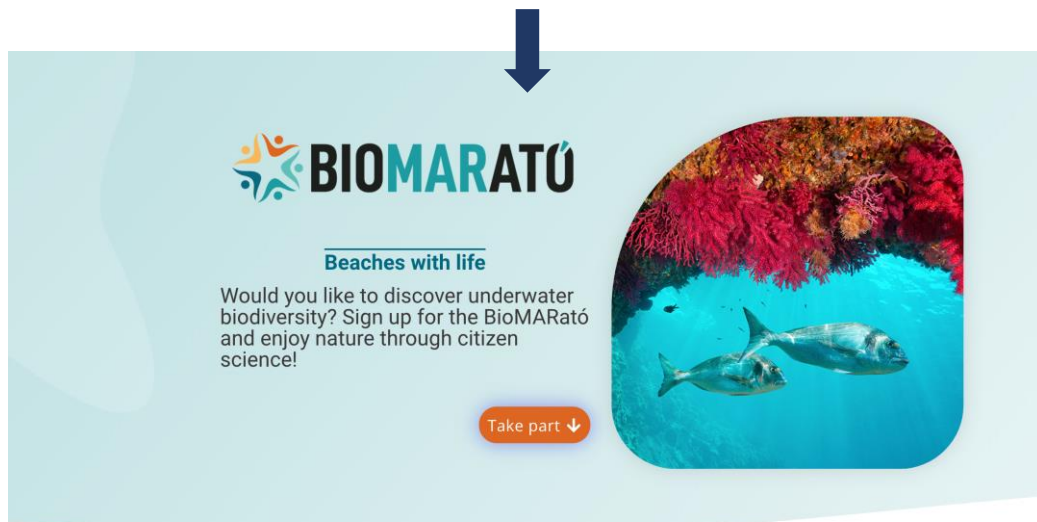
How do Cos4Cloud engage citizens?



How do Cos4Cloud engage citizens?

Co-design sessions: end-users share their opinion about one of our services (e.g., evaluating the service usability) and tell us the desired functionalities that they think the service should have.

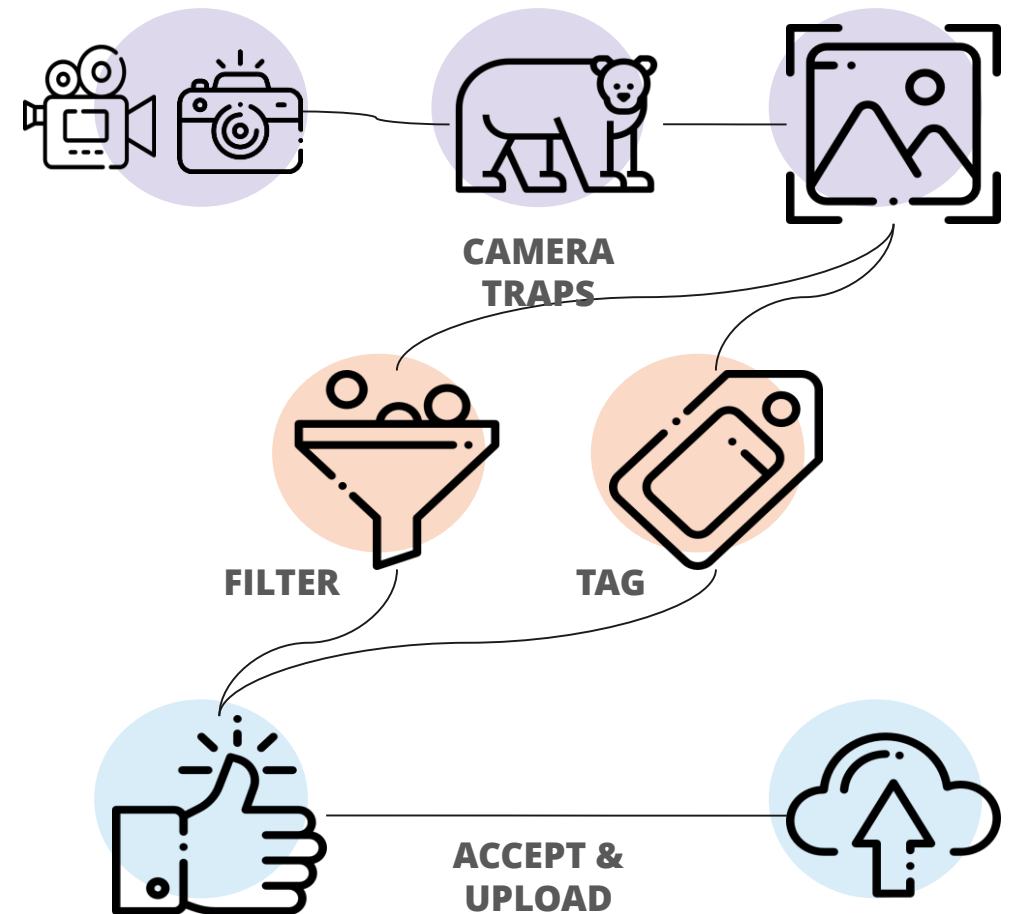
Testing activities such as BioBlitzs (collecting biodiversity observations), Hackathons, Datathons, citizen science data analysis and validation, building Do It Yourself (DIY) devices



Services and tools for citizen science: an example

FASTCAT-Cloud: upload and analyze all of your nature videos and pictures to the FASTCAT-Cloud website: get back only information on relevant images and recordings of **wildlife activity** and quickly identify the species names thanks to Artificial Intelligence.

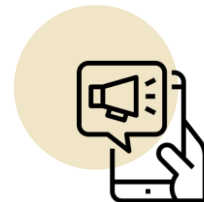
- ✓ This website service will eventually connect with **biodiversity citizen observatories**. So, if you are a citizen scientist that uses a camera trap, you will be able to easily upload the picture to some platforms such as iSpot, Artportalen or Natusfera.



What's your future perfect for citizen science engagement?



Create **user-friendly citizen science apps**.
& try to avoid linguistic barriers by creating a
citizen science app in diverse languages



Tools to **recognize citizens scientists' contribution to research**, for example, a
notification informing the participant that
her/his observation has been include in 'x'
paper.



Include in the project budget to **hire specialized communication personnel** to
create and work daily in the communication
and engagement strategy.



Increase funding to increase citizen
science projects' sustainability.



Increase the observations' credibility,
so the academic, political, and social fields
trust to use citizen science data.



**Join efforts among various citizen
science projects.**



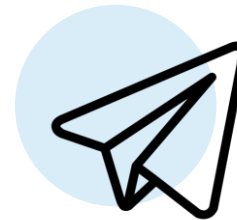
Organize joint activities (e.g., talks, workshops, promotion on social
media, etc.) with **research libraries**.

Join our community!

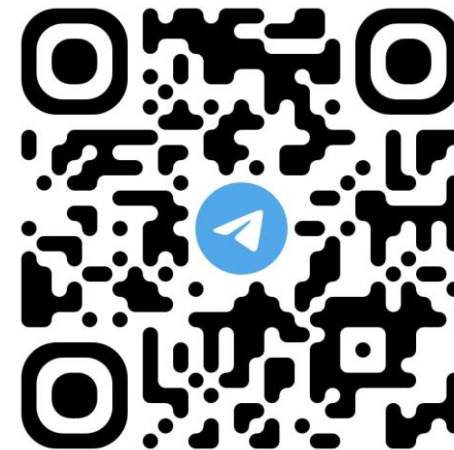
We will keep you updated about the workshops, activities, and news related to the co-design process in Cos4Cloud



Fill this form



**Join our Telegram
Channel**



Follow Cos4Cloud on social media!



Contact us on:

coordination@cos4cloud-eosc.eu





Onboarding Citizen Science and the role of research libraries: barriers and accelerators

#LIBER2021 - 23 June 2021

