INTELCOMP PROJECT

A COMPETITIVE INTELLIGENCE CLOUD/HPC PLATFORM FOR AI-BASED STI POLICY MAKING

(GRANT AGREEMENT NUMBER 101004870)

DISSEMINATION AND COMMUNICATION REPORT. DELIVERABLE D7.5

Deliverable information

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Authors	Thorben Bethe (FECYT) Sofía Pérez (FECYT) Joseba Sanmartín (FECYT)
Reviewers	Lorena Roldán (NTT DATA) Daniel Jiménez (NTT DATA) Androniki Pavlidou (ARC)
Approved by	Cecilia Cabello (FECYT)
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The Communication Plan (D7.2), also referred to internally as the Dissemination and Communication Plan (DCP) is the planning instrument for the effective communication and dissemination of the Project activities and results, showing how they can impact into the society and policy making with its added value. All partners in the consortium are involved and coordinated by FECYT –as the leader of the Communication and Dissemination Task- in the execution of the DCP and they are all encouraged to proactively carry out communication and dissemination activities in agreement and open dialogue with related work package leaders.

This second monitoring report on the execution of the DCP of the IntelComp Project describes both the communication and dissemination channels and materials developed to reach the main target groups: Public Administration, Society, Industry and Academia. It also takes stock of the specific communication and dissemination actions carried out during the two years of the Project to accomplish the Plan's objectives: raise awareness of the Project, disseminate its results and support the engagement of external actors with it.

In this report, we first detail the status of the implementation of the tasks included in the DCP up to 31st of December 2022, covering the channels, materials and actions. We then provide an update on the values of the Key Performance Indicators of the DCP. The report also includes an update of this plan, describing the tasks that are planned to be executed up to the end of the project, and defining owners and deadlines of these tasks. Finally, we extract some conclusions from the monitoring so far.

There will be an update of this Dissemination and Communication Report at the end of the Project (December 2023).

1. INTRODUCTION

The **IntelComp project** is a Horizon 2020 Innovation Action to build a platform that will be able to analyse large volumes of textual data, varying from government open data to open access scholarly works (e.g. OpenAIRE Research Graph[1]) using Artificial Intelligence (AI) services. The IntelComp platform is designed to assist Public Administrations and policymakers in several stages of the Science, Technology, and Innovation (STI) policy-cycle: agenda setting, implementation, and monitoring. It will also assist all relevant stakeholders of STI policy (academia, industry, and citizens) to co-create policies in the three specific domains where the platform will be tested: AI, climate change/blue economy and health/cancer.

The Communication Plan (D7.2), also referred to internally as the Dissemination and Communication Plan (DCP) is the planning instrument for the effective communication and dissemination of the Project activities and results, showing how they can impact into the society and policy making with its added value. All partners in the consortium are involved and coordinated by FECYT –as the leader of the Communication and Dissemination Task- in the execution of the DCP and they are all encouraged to proactively carry out communication and dissemination activities in agreement and open dialogue with related work package leaders.

In July 2021, FECYT sent a survey to all partners in the consortium to create a record of their communication and dissemination channels and materials, and to know the third-party events (including conferences) that they are aware of, in order to use these instruments and materials for IntelComp communication and dissemination. All partners answered the survey and provided relevant feedback.

This monitoring report on the execution of the DCP describes the communication and dissemination channels and materials developed to reach the main target groups of the Plan: Public Administration, Society, Industry and Academia. It also takes stock of the specific actions carried out during the first two years of the Project to accomplish the Plan's objectives:

- Objective 1. Raise awareness of the Project.

- Objective 2. Disseminate the activities and results of the Project.

- Objective 3. Initiate the engagement and support of external actors to the Project.

In this document, we first detail the status of the implementation of the DCP, covering the channels, materials and actions. We then provide an update on the values of the Key Performance Indicators of the DCP. The report also includes an update of this plan, describing the tasks that are planned to be executed up to the end of the project, data efining owners and deadlines of these tasks. Finally, we extract some conclusions from the monitoring of the DCP.

There will be an update of this Dissemination and Communication Report at the end of the Project (December 2023).

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[1] https://graph.openaire.eu/

2. STATUS OF THE IMPLEMENTATION OF THE DISSEMINATION AND COMMUNICATION PLAN

Section 6 of the DCP outlines its implementation up to December 31, 2021, describing the tasks that were planned to be executed. These tasks related to the development of the communication and dissemination channels and materials defined in the DCP, and to the execution of the actions.

Table 2 shows the status of the implementation of these tasks up to December 31, 2022. Of the twenty tasks foreseen in the DCP for 2021, fourteen have been done by the end of 2021 and eighteen by the end of 2022. The press release and the associated database of news media and journalists have been delayed until the platform is ready.

Table 2. Status of the implementation of the DCP foreseen tasks

Area	Communication / Dissemination purpose	Task	Owner	Due Date (in month)	Status (as of December 31, 2021)	Status (as of December 31, 2022)
Channels	C&D	Publish the Project Website	FECYT	February 2021	Done	Done
	C&D	Create a content plan and social media accounts	FECYT / All partners	September 2021	Social media accounts ready. Content plan expected for February 2022, as input from partners is not ready yet.	Done. Content plan shared with partners in February 2022
	C&D	Fill in questionnaire for feedback on partners' channels	FECYT / All partners	July 2021	Done	Done
	C	Acquire email marketing tool	FECYT	December 2021	Done	Done
	D	Identify potential journal and international conferences	All partners	September 2021	Done	Done
	D	Set up IntelComp Zenodo and GitHub open-	FECYT	September 2021	Done	Done

Area	Communication / Dissemination purpose	Task	Owner	Due Date (in month)	Status (as of December 31, 2021)	Status (as of December 31, 2022)
		access repositories				
	C&D	Generate a database of news media and journalists	FECYT and NTT DATA / All partners	December 2021	Expected for Q3 2022 as the first press release will be released when a first version of the platform is ready	Expected for October 2023
Materials	C	Interview one expert	FECYT	December 2021	Done	Done
	C	Design e-leaflet	FECYT	October 2021	Expected for Q2 2022, to be ready for the Living Lab events	Done (Available since August 2022)
	C	Design and print leaflets	FECYT	November 2021	Expected for Q2 2022 – to be ready for the Living Lab events	Done (Partners can print leaflets since August 2022)
	C	Design and produce roll-up	FECYT	September 2021	Expected for Q2 2022 – to be ready for the Living Lab events	Done (Available since June 2022)
	C&D	Produce press release	FECYT and NTT DATA / All partners	December 2021	Expected for December 2022 – to inform about first platform release	Expected for November 2023 to inform about the platform release
	C&D	Fill in questionnaire for feedback on partners' materials	FECYT/ All partners	July 2021	Done	Done
	D	Produce scientific publications	All partners	December 2021	Done	Done

Area	Communication / Dissemination purpose	Task	Owner	Due Date (in month)	Status (as of December 31, 2021)	Status (as of December 31, 2022)
Actions	C	Organize opening event	FECYT	April 2021	Done	Done
	C	Organize consultation workshops	Technopolis Group	June 2021	Done	Done
	C&D	Fill in questionnaire for feedback on other activities (events, etc.).	FECYT / All partners	July 2021	Done	Done
	C	Organize preparatory workshops for the Climate Change Living Lab	ARC	30 July, 8 October, 29 October, 17 December 2021	Done	Done
	D	Submit contributions to conferences	All partners	December 2021	Done	Done
	C	Organize Joint Data Driven Policy Cluster event	FECYT	Autumn 2021	Done	Done

In the following points, **updates on the implementation of the DCP since 30 June 2021** are provided.

2.1. Communication and dissemination channels

2.1.1. IntelComp website (communication and dissemination purposes)

The Project's website[2] is a strong communication and dissemination channel to showcase activities and results to the four target groups. Since 30 June 2021, we have introduced a horizontal navigation bar. It lists the pages side-by-side and is placed in the website header. The

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[2] https://intelcomp.eu/

website now features the following sections: About, Living Labs, Outreach, Events and Be Part of IntelComp (Figure 1)

Figure 1. Screenshot of the home of the IntelComp website
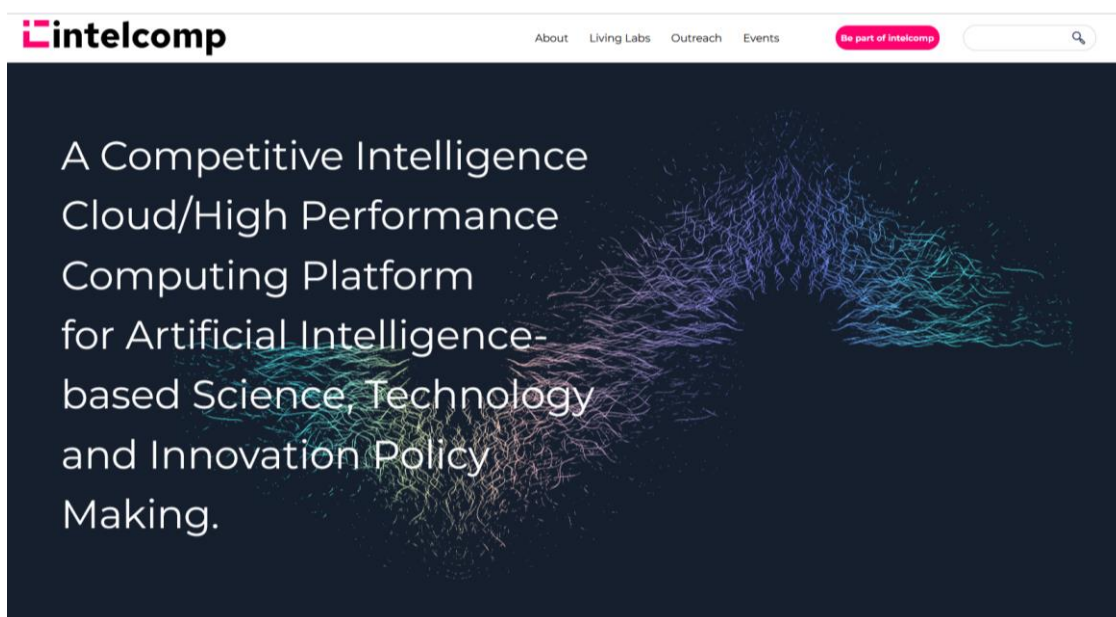
We have also made the following updates on the website sections:

- *About*. We have included a link to the Policy Brief in the IntelComp Community in Zenodo; a subsection explaining the Priority Policy Areas with a link to the Report on the Identified Measurements and Data Sources for the IntelComp Platform, in Zenodo; a subsection introducing the Data Driven Policy Cluster (the projects funded under the same H2020 topic, "GOVERNANCE-12 Pilots on using the European cloud infrastructure for Public Administrations") with all the publications of the cluster and a list of their members; and we have presented the IntelComp consortium – Partners.

- *Living Labs.* This section will include all the results of the Living Labs' activities.

- *Outreach*. In this section, web visitors can search the different types of outreach materials: updated list of public deliverables, newsletters, scientific publications, and videos (tutorials, webinars, training material, etc). Public deliverables are classified by Work Package. The deliverables can be accessed through links to the Zenodo community.

- *Events*. Each event is presented with an image, a caption text and the month and year of the event to allow users follow up all actions around the project. We have disseminated the agenda and the outcomes of eighteen events.

Following good practises, Google Analytics run on IntelComp website, to measure outreach and engagement. The main analytics for the period 01/01/2022 to 31/12/2022, as a quantified way to present information are:

- 1.700 different users have visited the webpage.

- 7.069 Page views were received of which 3.564 are classified as sessions (a session is a group of user interactions with the website that take place within a given time frame).

- 1.488 (41%) of the sessions came from direct access (i.e. typing in the URL of the webpage or following a link) and 1.469 (41%) of the sessions came from organic searches (Google etc.)

- According to data on web traffic from Google Analytics, the top countries by number of sessions are: Spain, United States, Greece, France, Italy and Belgium.

2.1.2. IntelComp social media (communication and dissemination purposes)

IntelComp is present in two major social media platforms: Twitter[3] and LinkedIn[4], which support and build an IntelComp brand for communication and dissemination purposes. We use social media to promote the activities of the IntelComp project, to promote other related news and activities and to support the website of the Project. The information hosted in the IntelComp website is adapted and disseminated in the social media to attract traffic to the website.

Content plan for social media

The Content Plan serves as a guide to know what content we should publish through the different digital channels and to see what objectives we intend to achieve with it. This plan is a guide for communicating correctly to the outside world, setting out recommendations in terms of frequency, periodicity, type of publications, formats, possible questions to be answered, etc.

Twitter

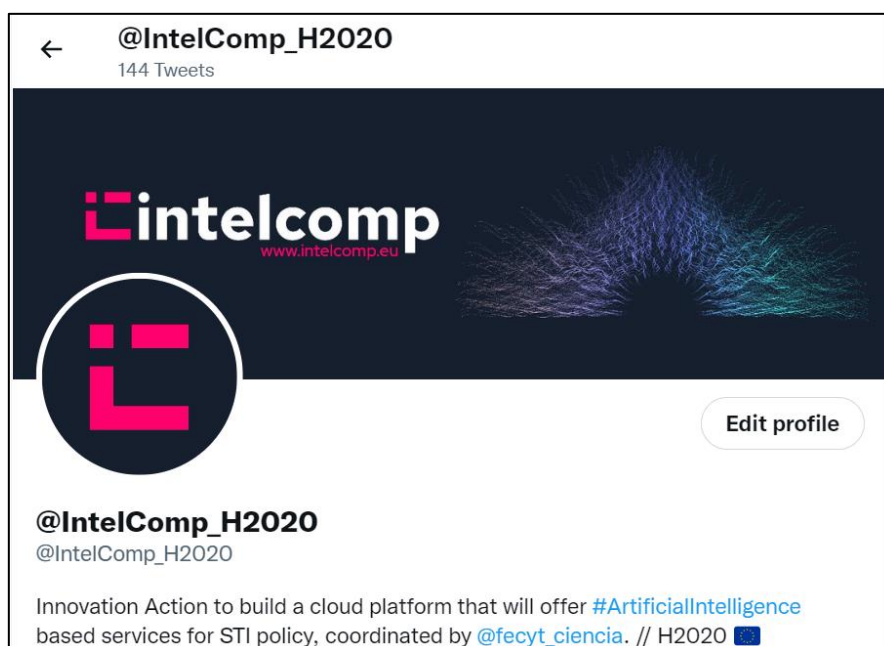The IntelComp Twitter account was created on 20th October 2021 and on 31th December 2022 it has 96 followers. This channel is used to report on activities, events and to disseminate publications and papers from the website. Figure 2 shows a screenshot of the account profile.

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[3] https://twitter.com/IntelComp_H2020
[4] https://www.linkedin.com/groups/12587102/ and https://www.linkedin.com/company/intelcomp-h2020/

Figure 2. Screenshot of the IntelComp Twitter account profile

The Twitter strategy is to achieve diffusion through the frequent generation of tweets based on the Project's own activities and on related activities. We have a continuous live interaction with followers, tagging relevant actors and EU projects. To reach to profiles of people, organisations and influencers, related to public policy, AI, open access, Open Science, we follow them, so they follow us back. To achieve maximum diffusion, depending on the objective of each tweet, we seek specific support from the corporate accounts of the partners

Up to 31th December 2022, we have posted a total of 139 tweets and have had 57 mentions. The most successful tweet is related to the diffusion of the #Intelcomp General Assembly meeting This tweet is the one that has generated the most impressions, the most views. In total, it got a total of 3.278 impressions.

<u>LinkedIn</u>

The IntelComp LinkedIn Group was created in October 2021, and, on 31st December 2022, it has 40 members and 62 followers. This communication channel is mainly being used to raise awareness of the project and to disseminate its results to the target groups of Industry and Academia. Figure 3 includes a screenshot of the new IntelComp LinkedIn account.

Figure 3. Screenshot of the IntelComp LinkedIn account
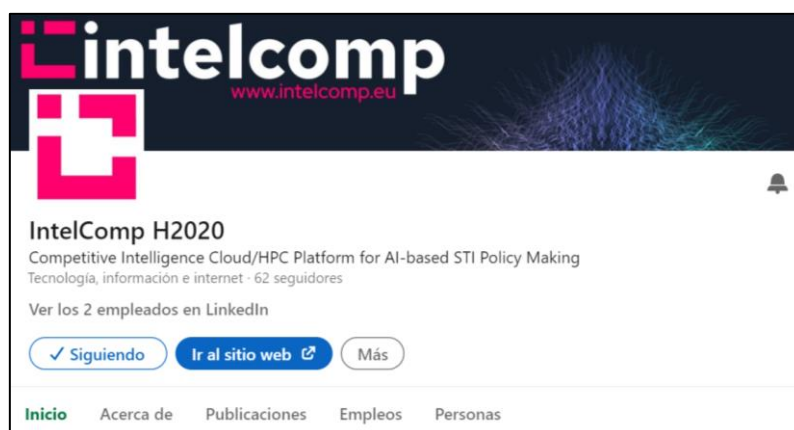
References to the main results of the Project in the LinkedIn group are being published: scientific papers and reports available on the IntelComp Community in Zenodo[5]. Professionals related to the Project in order to stimulate an active and fruitful discussion are contacted and invited.

The most successful publication was about the kick-off meeting of the Artificial Intelligence Living Lab with 926 impressions.

Actions, news, and events are reported, and publications and papers are disseminated to increase the awareness. LinkedIn is continuously monitored to determine what content is most appealing and compelling to its audience. Content will be merged as the project develops and its user base grows to ensure its presence is cohesive and impactful.

Once there is a wider base of followers, a more qualitative analysis of the current followers and interactions in social media will be carried out to better design and focus upcoming efforts to increase their impact according to IntelComp objectives.

2.1.3.   Emailing (communication purpose)

Two mailing lists have been created so far: one in the registration for the opening event to be informed about the events of the Project and another, through the "Be Part Of Intelcomp" section of the Project website, to be informed about collaboration opportunities in the Project domains. The former list has 26 contacts while the latter has 48 as of December 31, 2022.

A digital newsletter for the communication and dissemination of the Project and the IntelComp platform has been designed. The aim is to inform about collaboration opportunities in those areas where external input is needed. The first release of the newsletter was sent via MailChimp in March 2022, in the first phase of the co-creation stage of the Living Labs, as stated in the Engagement Plan of the Project (Deliverable D7.3).

The recipients of the newsletter are those contacts included on the two mailing lists. Figure 4 shows the design of the IntelComp newsletter.

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[5] https://zenodo.org/communities/intelcomp

A second newsletter is expected for January 2023 to increase the engagement around the project. The aim is to make an overview of the main actions of 2022 and keep the recipients updated about the coming actions.

Figure 4. First IntelComp newsletter
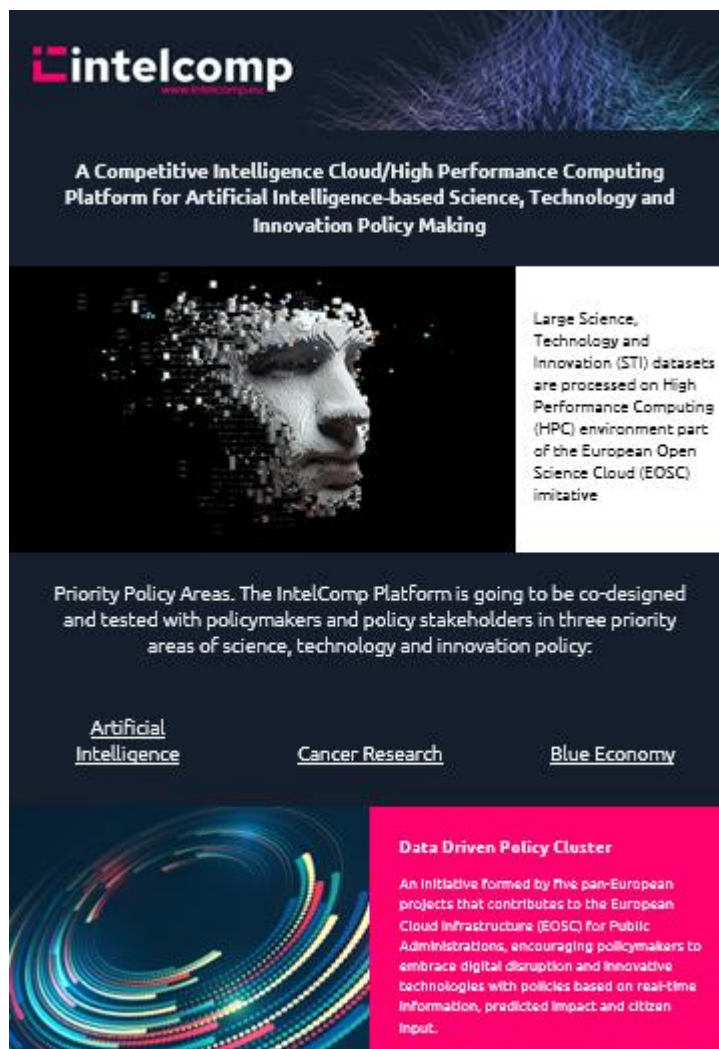
2.1.4. *News media (dissemination and communication purposes)*

According to the survey sent to all the partners in the Consortium, none of the organizations have a database of general and/or specialized news of European media and journalists that may be used in the Project. FECYT, as leader of the communication task of the Project is therefore setting up a specialised database to disseminate the results of the Project to its target groups: Public Administrations, Society, Industry and Academia. FECYT has contacted the European Parliament's Communication team and the European Commission in order to include best fit contacts on the list.

A press release of the Project will be available in November 2023 to communicate and disseminate the platform release. Consequently, the database of news media and journalists is planned to be ready by October 2023.

2.1.5. Scientific conferences and journals (dissemination purpose)

The Work Package 7 of the Project (Engagement, Dissemination and Sustainability) has a dedicated task for scientific dissemination (Task 7.5). The objective of this task is to coordinate and follow up on the scientific dissemination of IntelComp results. The scientific community will be able to consult and reuse IntelComp scientific publications.

The Task 7.5. (Scientific dissemination) starts in 2022, nonetheless, some preparatory actions took place in 2021, including the general set up for the coordination and the implementation of the task. These preparatory actions were carried out jointly by the Coordination team and the WP and Task Leaders in order to establish an overall strategy for Scientific Dissemination and define an internal workflow for the management and follow up of the task.

The results of these preparatory actions in 2021 resulted in:

- *The identification of potential journal and international conferences*, taking into account the interdisciplinary nature of the consortium and its main dimensions: the technical dimension as well as the applied dimension, i.e. policy making. A list of potential journals and international conferences was created collaboratively with the feedback of the different partners (Tables 3 and 4).

- *The establishment of quality criteria for scientific dissemination.* Criteria were established for both channels' journals and international conferences. For journals, it must be an indexed journal with impact (e.g. the Journal Citation Report). For conferences, two aspects are foreseen: being international and publishing proceedings based on a peer reviewed process*.

- *The monitoring of the progress of this task.* The progress of this task is addressed in the periodic follow-up meetings of WP7 and the monthly Steering Board meetings, based on the internal living document created to keep record of all scientific publications resulting from IntelComp activities.

Table 3. Potential journals to disseminate IntelComp results

Journal	Field of expertise	Language	Open Access
Scientometrics	Information Science & Library Science, Computer Science, Interdisciplinary Applications	English	Article Processing Charges
IEEE Transactions on Pattern Analysis and Machine Intelligence	Computer Science & Artificial Intelligence	English	Article Processing Charges
Journal of the Association of Computational Linguistics	NLP and Artificial Intelligence	English	Free
Journal of Language Resources and Evaluation	NLP and Language Resources	NLP and Language Resources	Free

Table 4. Potential conferences to disseminate IntelComp results

Conference	Field of expertise	Geographical level	Periodicity (annual, etc.)
Workshop on Argument Mining	Computational linguistics	International	Annual
Conference on Sustainable Development	Sustainable Development	International	Annual
Workshop on Scientific Knowledge Representation, Discovery, and Assessment	Scientific knowledge	International	Annual
European Forum for Studies of Policies for Research and Innovation (Eu-SPRI) Conference	STI Policy	International	Annual
EMNLP Empirical Methods on Natural Language Processing	NLP & Artificial Intelligence	International	Annual

IntelComp teams were active since 2021 and they already submitted some articles for journals and conferences in the last months of 2021. In 2022, having the framework set for this Task, teams continued to submit manuscripts and articles to journals and international conferences. Some scientific contributions are under review (Table 5), and some are already accepted (see section 2.2.4. Dissemination material).

Table 5. Scientific contributions under review

Field	Title	Journal/Conference
Natural Language Processing	User in the loop Hierarchical Topic Modeling	International peer reviewed conference 2023 European Chapter-Association for Computational Linguistics (EACL)
	A weakly supervised textual entailment approach to zero-shot text classification	
	Federated Neural Topic Models	International peer reviewed conference 2023 IEEE International Conference on Acoustics, Speech and Signal Processing
STI Policy Studies	A series of Preparatory Living Lab workshops as the enabler of a co-	Peer-reviewed journal Frontiers in Environmental Economics

creation ecosystem under the
IntelComp platform

2.1.6. Open access repositories (dissemination purpose)

The IntelComp community in Zenodo is set up[6], as well as an account in GitHub[7]. These repositories allow for the showcase and dissemination of the IntelComp reports, services and tools not only to Academia but also to Public Administrations and European industrial stakeholders, including SMEs.

In Zenodo, as of 31 December 2022, 15 publications (9 deliverables, 5 reports and 1 Data Management Plan) and 1 presentation are in the community "Material from the IntelComp project", all with open access rights (Figure 5). In GitHub, there're 10 public repositories.

Figure 5. Screenshot of the IntelComp Zenodo community
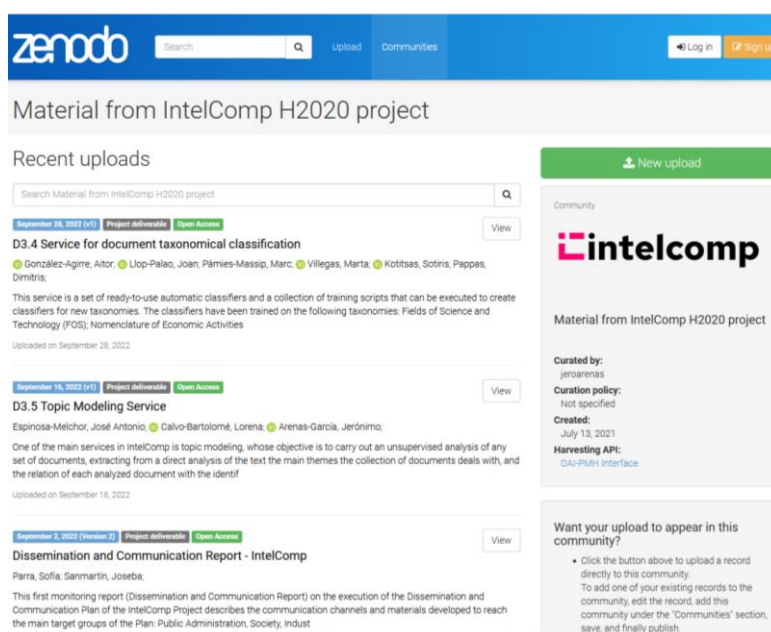
2.1.7. Partners' communication and dissemination channels

The survey that was sent out to consortium partners, provided information on which communication channels they regularly use to communicate their activities. Nine out of thirteen partners are planning to use their websites to communicate IntelComp activities. Most of them focus on the target groups of Society and Academia, and some on Public Administrations/Policy Makers and Industry.

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[6] https://zenodo.org/communities/intelcomp/
[7] https://github.com/IntelCompH2020

The partners' websites include information on the IntelComp project (e.g. the FECYT[8] website) and some partners have a dedicated website space for IntelComp (i.e. ARC[9] or ZSI[10], OpenAIRE[11]). There is great potential to have a multilevel reach by using the United Nations Sustainable Development Solutions Network (SDSN) in Greece (through ARC)[12]. The OpenAIRE network newsletter[13] is also used to communicate IntelComp's activities.

Being conscious that a good organization between partners is crucial for a good communication and dissemination, we have improved the way to share each other the potential information to communicate and disseminate. In the same document where we note journal publications, we report the coming events and disseminated publications. The aim is to improve the strategy about communication and dissemination having a calendar about potential information to be posted.

The approach of WP7 is to request before of its monthly meeting all partners to fill in the minutes document that is edited during the meeting. In addition, we request all partners to share the information published on the social media accounts and on the website to raise awareness about IntelComp and achieve more impact.

2.2. Communication and dissemination materials

2.2.1. Audiovisual materials (dissemination and communication purposes)

In September 20, 2022, IntelComp organized together with the other projects in the Data Driven Cluster, the workshop "Disruptive technologies accelerating data-driven policymaking in the public sector" at the EGI Conference 2022. A demo of one of the IntelComp platform tools, the Interactive Model Trainer, was presented at the conference and uploaded on FECYT's YouTube channel[14].

In October 2022, IntelComp participated on the Open Access Week 2022 initiative, through the OpenAIRE partner that organised sessions related to "Open for Climate Justice" topic[15]. More specific, along with the DECIDO project, the Project Coordinator, Cecilia Cabello, presented IntelComp project on an hour Knowledge Café session "Open Data in the forefront: driving policy decisions for climate justice". Additionally, a representative of the Climate Change living lab, Lydia Papadaki, presented the work performed on the topic by IntelComp. The presentations and recording of the session are available on Zenodo[16] and YouTube[17].

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[8] https://www.fecyt.es/es/noticia/fecyt-coordina-la-creacion-de-la-plataforma-intelcomp

[9] https://www.athenarc.gr/en/institute-language-and-speech-processing/projects/competitive-intelligence-cloudhpc-platform-ai

[10] https://www.zsi.at/en/object/project/5739

[11] https://www.openaire.eu/intelcomp-project

[12] http://www.unsdsn.gr/intelcomp
http://www.unsdsn.gr/newsletters-and-press-releases

[13] https://www.openaire.eu/archive/319-openaire-newsletter-november-2021?format=raw&tmpl=raw&userid=-

[14] https://www.youtube.com/watch?v=UVhUi08TPy0

[15] https://www.openaire.eu/oaweek2022

[16] https://zenodo.org/record/7314023

[17] https://www.youtube.com/watch?v=6vD4UtTt088

2.2.2.   Interviews (communication purpose)

In order to inform Society about the progress of the Project, it is wise to use the interview format to "translate" what experts in the areas are saying to the general public. This approach is more comprehensive to the audience that has an interest in the topic. For this purpose, an interview with the Project Coordinator was conducted and disseminated through the OpenAIRE partner newsletter[18].

2.2.3.   Promotional materials (communication purpose)

FECYT has produced an e-leaflet for multiple digital channels, a flyer version of the leaflet and a roll-up for physical events. These materials were ready for the Living Lab events. They contribute to the two objectives of the DCP related to communication: raise awareness of the Project and engage external actors to it.

For instance, the HFRI partner participated at the Thessaloniki International Fair 2022 promoting the IntelComp project[19] through the leaflet (Figure 6)

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[18] https://www.openaire.eu/blogs/ai-driven-science-technology-and-innovation-sti-policy
[19]   https://www.linkedin.com/company/hellenic-foundation-for-research-and-innovation/posts/?feedView=all

Figure 6. Distribution of the IntelComp leaflet at the Thessaloniki International Fair 2022

2.2.4. Press release (communication and dissemination purposes)

According to the DCP, a first press release would have been distributed in December 2021 to communicate the identification of policy needs and selected measurements and data collection needs. However, the consortium has decided that the press release of the Project will be distributed in November 2023 to communicate and disseminate the release of the platform and attract media attention.

2.2.5. Publications and contributions to conferences (dissemination purpose)
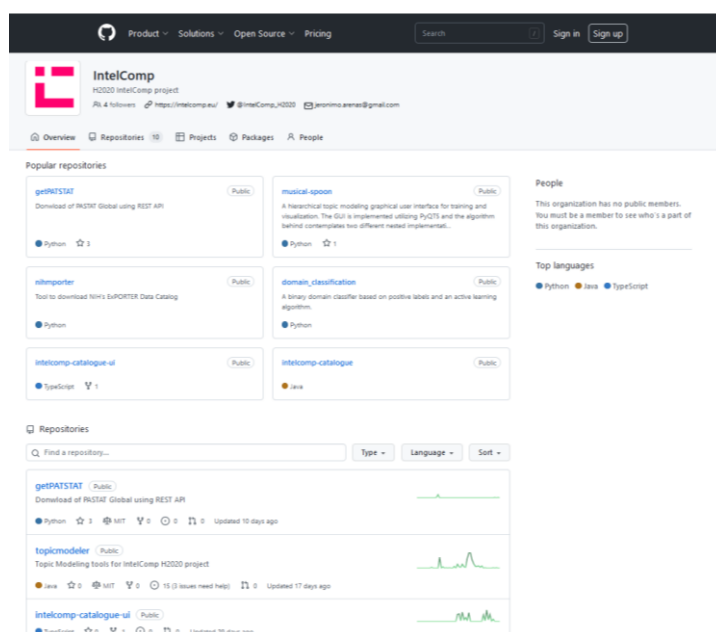
The consortium has disseminated the results of the IntelComp project to the Natural Language Processing scientific community with a journal article and two contributions to conference:

- The journal article "Validation of Scientific Topic Models using Graph Analysis and Corpus Metadata", published in *Scientometrics*[20] (Open Access funding provided thanks to the CRUE-CSIC agreement with Springer Nature).

- The contribution to the 2nd International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment, "SciNoBo: A Hierarchical Multi-Label Classifier of Scientific Publications", is available as an arXiv preprint[21].

- The contribution to the international conference, 8th Workshop on Argument Mining, "Argumentation Mining in Scientific Literature for Sustainable Development" has been published, in open access, in the peer-reviewed *Proceedings of the 8th Workshop on Argument Mining*[22].

In the realm of STI policy for sustainable development, the contribution to the International Conference on Sustainable Development 2021, "Accelerating science driven blue growth via a competitive intelligence cloud/HPC platform for AI-based STI policy making" has been published, in open access, in the peer-reviewed *Environmental Sciences Proceedings*[23].

Documentation regarding the open-source software production is also available to different scientific communities through the software repositories of the IntelComp Project in Github[24] (Figure 7).

Figure 7. Screenshot of the IntelComp software repositories in GitHub

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[20] https://link.springer.com/article/10.1007/s11192-022-04318-5

[21] https://arxiv.org/pdf/2204.00880.pdf

[22] https://aclanthology.org/2021.argmining-1.10/

[23] https://www.mdpi.com/2673-4931/15/1/68

[24] https://github.com/IntelCompH2020

2.2.6. Policy briefs and reports (communication purpose)

The Project has also produced a policy brief on the use of Artificial Intelligence and data-driven tools for STI policy making (Deliverable 1.4)[25]. And the five projects (Policy Cloud[26], Decido[27] AI4PublicPolicy[28], DUET[29] and IntelComp) in the Data Driven Policy Cluster have produced a series of reports, available on the IntelComp website[30] (Figure 8):

- Roadmap for "Using the European Cloud Infrastructure for Public Administrations"[31], which includes several ideas from the IntelComp consortium.

- Joint Policy Brief "Co-Creation and Stakeholder Engagement for Evidence Based Policymaking"

- Joint Policy Brief "Policy Prediction, the Future of Evidence-Based Policymaking?"

- Joint Policy Brief "Governance Ethics for Evidence Based Policymaking".

- Post Event Report: Evidence Based Policymaking in Europe Summit 2021.

- Data Driven Policy Cluster @EGI2022: A Post Event Report

Figure 8. Publications of the Data Driven Policy Cluster in the IntelComp website
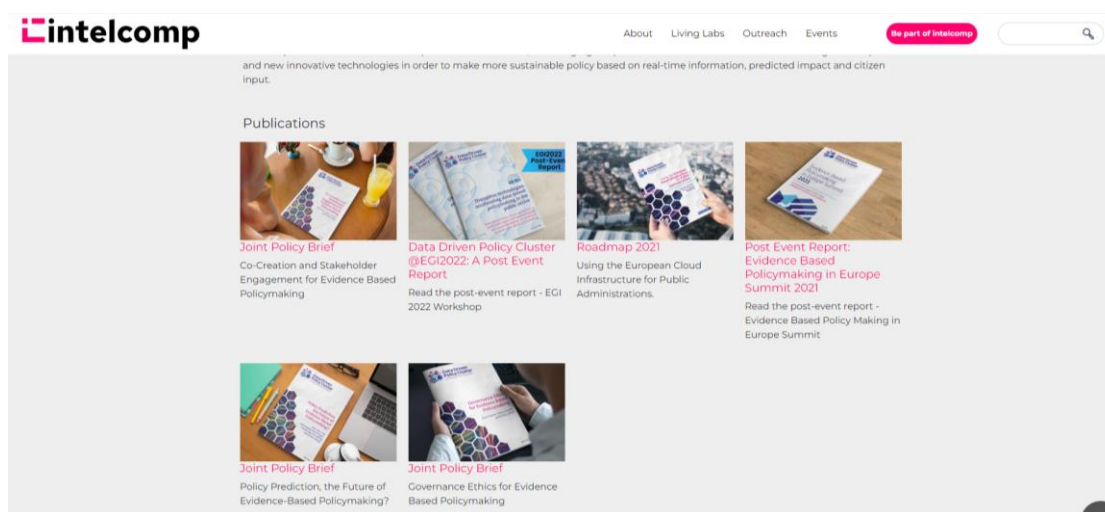
2.2.7. Partners' materials

According to the survey sent to partners, the most relevant materials used by the partners to communicate IntelComp's activities would be:

- Scientific publications. 5 out of 13 partners expect to publish results in this format.

- Non-scientific publications: 8 partners expect to publish results in this format.

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[25] https://zenodo.org/record/5541595#.Yt-uV4RBzgh

[26] https://www.policycloud.eu/

[27] https://www.decido-project.eu/

[28] https://ai4publicpolicy.eu/

[29] https://www.digitalurbantwins.com/

[30] https://intelcomp.eu/data-driven-policy-cluster

[31] https://zenodo.org/record/5681330#.YbNNJdDMI2y

- Other media content (e.g. web tutorials, podcast, videos, presentations, demos, etc.): 5 partners foresee to use these materials.

2.3. Communication and dissemination actions

The communication and dissemination actions involve not only the events organized by the consortium but also the participation of the consortium in third parties' events that disseminate the IntelComp project indirectly. These activities feed with content the communication channels (website[32] and social media) of IntelComp and also, they are shared in some partners accounts (FECYT, ZSI, OpenAIRE, ARC, HFRI) to achieve maximum dissemination.

We have used the IntelComp website and the social accounts to disseminate the consultation and preparatory workshops, and the workshops organized by the Living Labs. The consortium has also had an active role in the events organized by the Data Driven Policy Cluster, with the participation of some partners as speakers or disseminating the events through corporative and personal social media accounts.

With respect to the participation of the consortium in third parties' events, partners have contributed to several international conferences and events.

2.3.1. Events organized by the project

Table 6 provides an update of Table 3 in the DCP, list of confirmed events organized by the Project.

Table 6. List of confirmed events organized by the project

Date	Event (KPI)	Specific objectives	Target group	Content	Status
27 April, 2021	Virtual opening event (85 attendees)	O1. Raise awareness of the Project. O3. Engage external actors to the project	- EC STI policy makers - Other Public Administrations and stakeholders	- Session 1. The EC STI data system and possible synergies with the IntelComp platform. - Session 2. Looking at the core of the platform: technologies and developments behind the IntelComp platform. - Session 3. The Living Lab approach for co-creating the platform and STI policies in the AI, Climate Change and Health domains.	Done
8, 10 and 15 June 2021	Three consultation workshops (60 unique attendees)	O1. Raise awareness of the Project O3. Engage external actors to the project	Public Administration Stakeholder: Academic (Universities, Research	Introduction to policy questions: Conceptual framework and explanation of policy cycle focus "Teaser" Presentation of IntelComp data tools	Done

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[32] https://intelcomp.eu/events

Date	Event (KPI)	Specific objectives	Target group	Content	Status
			Centers…) / Industry Expert / Civil Society Organization or Advocacy Organization Expert.	Discussion on policy priorities and corresponding policy questions	
Autumn 2021	Joint e-governance event – Data Driven Policy Cluster (200 registrations)	O1. Raise awareness of the Project	Policy makers	Plenary sessions, but also smaller workshops. Engage the joint communities & share best practices between the projects. Showcase planned results and engage the audience in the ongoing work	Done. IntelComp has organized three more workshops or panels together with the cluster
28 June. 30 July, 8 October, 29 October, 17 December 2021 28 January, 25 February 2022	Preparatory workshops for the Climate Change Living Lab (20 attendees per workshop)	O1. Raise awareness of the Project O3. Engage external actors to the project	Institutes and Research Innovation Centres Universities and Educational Institutions Civil Society Public and Regulatory Authorities	This series will explore the co-development and use of the IntelComp Platform for activities such as a holistic mapping and understanding of the laws, policies, and strategies at international, European, and national level; and an analysis of innovations and new technologies to enhance mitigation and adaptation to climate change.	Done
Q4 2022 and 2023	National infodays for Public Administrations, Academia, Industry and Citizens	To co-design and co-create IntelComp tools and services To validate the resulting platform through the co-creation of STI policies in three different domains: artificial intelligence, climate change and cancer	Public Administrations and stakeholders (civil society organisations, academia, and industry organisations)	To understand the challenges of STI policy-making and the development of a suite of AI models and tools for analysing STI and validating STI policies;	Kick-off event of the AI Living Lab (52 attendees) Event to showcase the STI Viewer in the Climate Change Living Lab (20 attendees)

Date	Event (KPI)	Specific objectives	Target group	Content	Status
2023	Event at EOSC Symposium (60 attendees)	O2. Disseminate the results of the Project	Researchers, EOSC officials, EC officials	EOSC and HPC partners will discuss and explore how IntelComp can be an innovation paradigm in the STI domain	IntelComp has been presented at the EOSC Symposium (14th-17th November 2022)
2023	Collective European Day (100 attendees)	O2. Disseminate the results of the Project	EC STI policy makers\n\nOther Public Administrations and stakeholders	To showcase methods and tools, and disseminate Project's results with the EU community	

Preparatory workshops (communication purpose)

Since the first version of the Dissemination and Communication Plan (i.e. since June 2021), in the framework of WP6 Living Labs, the Climate Change Living Lab has organized seven preparatory workshops. They've focused on climate change and its interconnection with blue growth in the European area, by acknowledging that effective climate related policies require a holistic and inter-regional and international approach. The targeted audiences of these workshops were institutes and research innovation centers; universities and educational institutions; civil society organisations; and public and regulatory authorities outside of the consortium. The dates and titles of these workshops were:

- "Kick-off of the preparatory workshops in the Climate Change Living Lab"[33], June 28, 2021)

- "Understanding the gap between knowledge and action":

   o July 30, 2021. The Mediterranean Sea Group[34].

   o October 8, 2021. The Black and Caspian Sea Group[35].

- "Climate change and energy":

   o October 29, 2021. The Mediterranean Sea Group:[36].

   o December 17,2021. The Black and Caspian Sea Group[37].

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[33]   https://intelcomp.eu/events/intelcomp-project-preparatory-living-lab-workshops-sustainable-blue-growth-under-climate

[34]   https://intelcomp.eu/events/july-30-consultation-workshop-climate-change-and-blue-growth-mediterranean-group

[35]   https://intelcomp.eu/events/october-8-consultation-workshop-climate-change-and-blue-growth-black-and-caspian-sea-group

[36]   https://intelcomp.eu/events/october-29-consultation-workshop-climate-change-and-energy-mediterranean-sea-group

[37] https://intelcomp.eu/events/december-17-consultation-workshop-climate-change-and-energy-black-and-caspian-sea-group

- "Industry and climate change":

  o January 28, 2022. The Mediterranean Sea Group[38].

  o February 25, 2022. The Black and Caspian Sea Group[39].

These seven workshops, together with the three consultation workshops (60 unique attendees) organized by WP1 in June 2021, were a steppingstone for the activities of the Living Labs in WP6 of the Project. They contribute to one of the three objectives of the IntelComp Dissemination and Communication Plan: support the engagement of external actors in the project to gather their requirements for the tools of the platform.

Living Lab events (communication and dissemination purposes)

The Living Lab events have two main goals. The first is to showcase the IntelComp platform and its tools to ministries and funding agencies, and policy stakeholders from academia, industry (including SMEs), and society. The second is the engagement of external actors from Public Administrations and policy stakeholders, to further refine the knowledge of their requirements for the platform and tools, so that the resulting tools are exactly tailored to the needs of those actors.

The partner ARC has organized a workshop on December 8, 2022 to familiarize the participants in the Climate Living Lab with the IntelComp STI Viewer tool. The workshop was joined by Elpedison, a leading company in electricity production and supply; Electra Energy Cooperative, a certified social cooperative that supports the transition to a democratic, efficient, and sustainable energy system; DAPEEP, the Renewable Energy Sources Operator market operator; HFRI, the Hellenic Foundation for Research & Innovation; and the Hellenic Centre for Marine Research[40].

The partner SEDIA (the Spanish Secretary of State for Digitization and Artificial Intelligence) organized the kick-off event of the AI Living Lab, on October 24, 2022. 52 people attended the hybrid event and 27 of them were external stakeholders from academia (12 people), industry (7 people from big firms like Telefónica, several SMEs and industry associations), society (3 people) and public administrations outside of the consortium (5 people)[41]. The event served to engage specific potential users to further refine the knowledge of their requirements, so that the resulting tools are exactly tailored to the needs of these actors (Figure 9).

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[38]   https://intelcomp.eu/events/consultation-workshop-climate-change-and-blue-growth-mediterranean-sea-group

[39]   https://intelcomp.eu/events/consultation-workshop-climate-change-and-blue-growth-black-and-caspian-sea-group

[40] https://intelcomp.eu/events/living-lab-climate-change-workshop-intelcomp-sti-viewer-tool-academia-industry

[41] https://intelcomp.eu/events/october-24-ai-living-lab-kick-event

Figure 9. Image of the kick-off event of the AI Living Lab on the IntelComp website

Data Driven Policy Cluster

As part of the Data Driven Policy Cluster, on December 9th and 10th 2021, IntelComp co-organized the "Evidence Based Policy Making in Europe" event[42], to explore major challenges, trends, and opportunities to improve public sector decision making that will deliver healthier, happier places to live and work.

Over 220 people registered for the two days. IntelComp brought speakers from the European Citizen Science Association (ECSA), OCDE and OpenAIRE to the event. Several members of the consortium presented the IntelComp advances in different tracks. Figure 10 shows the banner of the summit.

Figure 10. Banner of the Evidence-Based Policy Making in Europe event

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[42] https://intelcomp.eu/events/evidence-based-policymaking-europe-summit-2021

The IntelComp consortium has also organized three workshops and panels together with the Data Driven Policy Cluster in third parties' conferences or forums:

- On October 20, 2021, the Cluster organised the workshop "Initiatives for better evidence-based policies in the Public sector" in the European Grid Infrastructure (EGI) Conference 2021[43], where the five projects presented their goal, use cases and co-creation process and, in particular, the contribution of each project to the European Open Science Cloud (EOSC). Figure 11 includes a screenshot of the IntelComp presentation by the Project Coordinator, Cecilia Cabello.

Figure 11. Screenshot of the IntelComp presentation at EGI Conference 2021
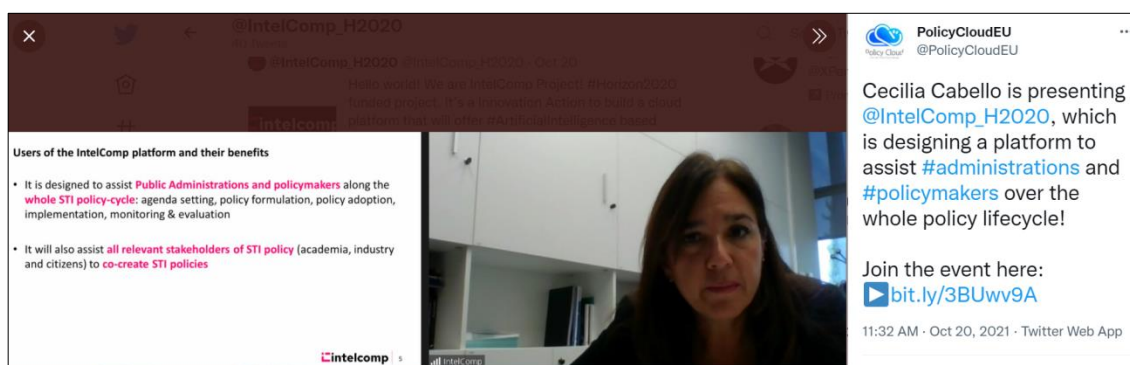
- On September 20, 2022, IntelComp organized together with the other projects in the Data Driven Cluster the workshop "Disruptive technologies accelerating data-driven policymaking in the public sector" at the EGI Conference 2022[44]. The cluster published a report on this workshop which was also shared on the IntelComp social media

- On December 13, 2022, IntelComp organized together with the other projects in the Data Driven Cluster the panel session "Data usage improving public policies & policymaking" in the Data for Policy Conference 2022, an International hybrid event, held in Brussels, Hong Kong, Seattle. We delved into data re-purposing & sharing for policymaking[45].

2.3.2. Participation in other events

Scientific dissemination actions

IntelComp partners have participated and contributed to several international conferences. The consortium has disseminated the results of the Project to the Natural Language Processing scientific community in three international conferences:

- The 8th Workshop on Argument Mining (November 10–11, 2021)[46]. Aris Fergadis, Dimitris Pappas, Antonia Karamolegkou, Haris Papageorgiou (partner ARC) presented the paper "Argumentation Mining in Scientific Literature for Sustainable Development".

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[43] https://intelcomp.eu/events/20-october-2021-egi-conference-workshop-initiatives-better-evidence-based-policies-public

[44] https://intelcomp.eu/events/egi-conference-workshop-disruptive-technologies-accelerating-data-driven-policymaking-public

[45] https://intelcomp.eu/events/data-policy-2022

[46] https://2021.argmining.org/

- The 2nd International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment (April 26, 2022)[47]. Nikolaos Gialitsis, Sotiris Kotitsas and Haris Papageorgiou (partner ARC) presented the paper "SciNoBo: A Hierarchical Multi-Label Classifier of Scientific Publications".

- The fifth Summer School on Data & Algorithms for STI Studies (21-23 September, 2022)[48]. Lorena Calvo-Bartolomé (partner UC3M) presented the paper "Hierarchical Topic Modeling of the Artificial Intelligence field incorporating experts' knowledge".

The consortium has also disseminated the results of the project to the scientific community interested in the analysis of STI policy, in two international conferences:

- In the 9th International Conference on Sustainable Development (September 20-21, 2021)[49] Professor Phoebe Koundouri (partner ARC), as a featured speaker, presented the paper "Accelerating science driven blue growth via a competitive intelligence cloud/HPC platform for AI-based STI policy making".

- In the European Forum for Studies of Policies for Research and Innovation (Eu-SPRI) (1-3 June 2022) conference "Challenging Science and Innovation Policy"[50], Dominique Guellec (partner HCERES), Paresa Markianidou and Lena Tsipouri (partner Technopolis), and Joseba Sanmartín (partner FECYT) presented the speed talk "The IntelComp Platform: A Policy Intelligence Tool for Transformative STI Policies".

Moreover, Androniki Pavlidou (partner ARC) presented the talk "IntelComp: AI-driven policy making using open scientific data" in the session "Contributions to the EOSC MVE beyond EOSC Future and the INFRAEOSC07", at the EOSC Symposium 2022 (14th-17th November 2022)[51].

Dissemination and communication actions

The consortium has carried out a series of actions for the engagement of specific potential users, to further refine the knowledge of their requirements, so that the resulting portfolio of tools is exactly tailored to the needs of these actors. In these actions, partners have presented the results of the project.

The partner FECYT actively promoted the project at the Committee for Scientific and Technological Policy (CSTP) of the OECD. This committee is responsible for encouraging cooperation among OECD Members Countries in the field of STI policy. Delegates are government officials working at ministries and research and innovation funding agencies.

On June 17, 2022, FECYT presented the project at the EC-OECD joint workshop "STIP Compass hybrid workshop: Linked open data" (Figure 12). The EC-OECD STIP Compass collects together in one place qualitative and quantitative data on national trends in STI policy[52].

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[47] https://sci-k.github.io/2022/

[48] https://feb.kuleuven.be/drc/MSI/sti

[49] https://ic-sd.org/events/icsd-2021/

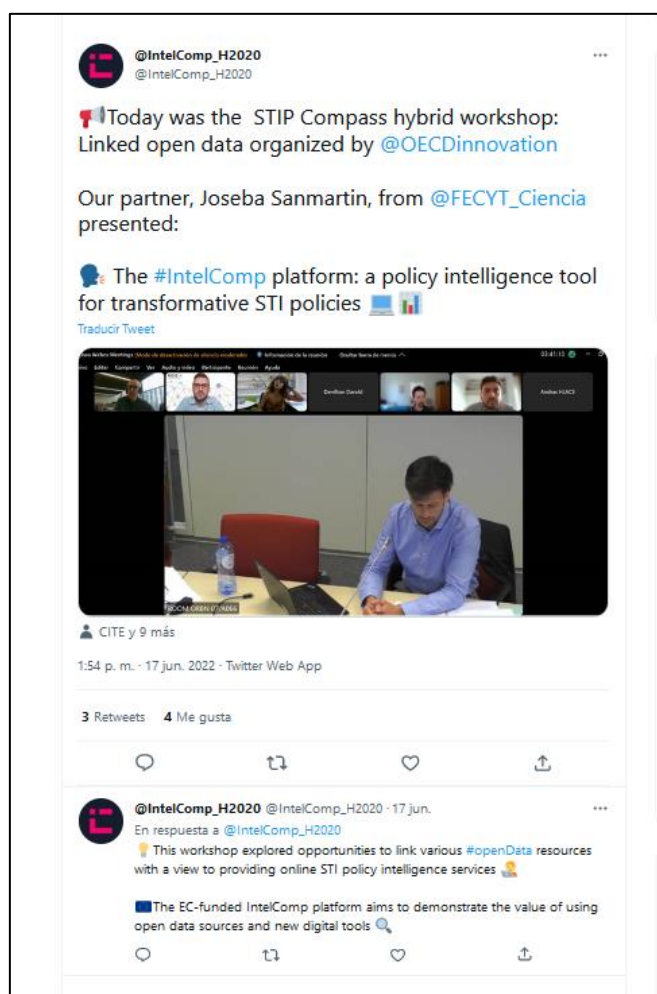[50] https://euspri2022.nl/wp-content/uploads/sites/556/2022/05/Eu-SPRI-2022-extended-abstracts.pdf [see the 122 abstract]

[51] https://eosc-portal.eu/events/eosc-symposium-2022

[52] https://stip.oecd.org/stip/

Figure 12. Tweet on the IntelComp participation in the STIP Compass hybrid workshop

In the OECD's Expert Group on the Management and Analysis of R&D and Innovation Administrative Data (MARIAD), the IntelComp Technical Coordinator (Jerónimo Arenas – partner UC3M) presented the WP3 of the project at the introductory and scoping workshop of this group (March 9, 2021).

The partner OpenAIRE disseminates the results of the project to the open science academic community looking for the engagement of specific potential users. OpenAIRE and ARC, contributed to the International Open Access Week 2022 with interactive sessions and thought-provoking panel discussions connected to the theme "Open for Climate Justice". OpenAIRE joined forces with IntelComp to showcase how Open Science infrastructure and practice support evidence-based policy making related to climate[53]. The IntelComp project was showcased in two sessions:

- The OpenAIRE Research Graph, supporting evidence based R&I indicators (Figure 13).
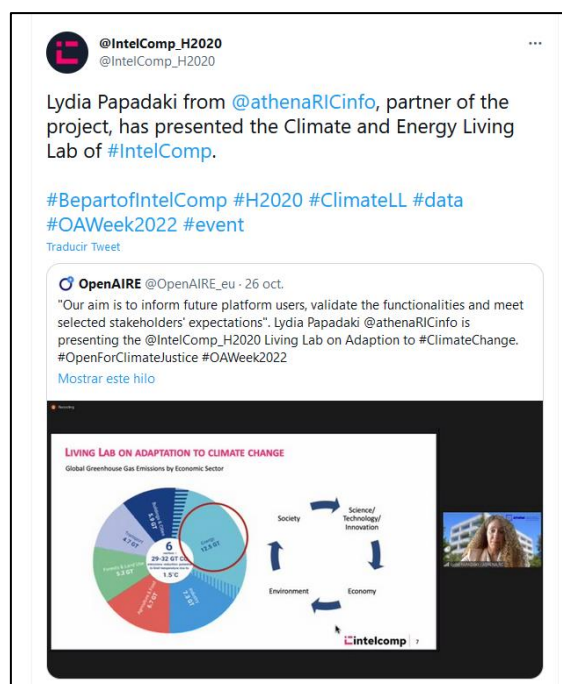
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[53] https://www.openaire.eu/oaweek2022

Figure 13. Tweet on the contribution of the OpenAIRE Research Graph to IntelComp

- Knowledge Café: Open Data in the forefront: driving policy decisions for climate justice (Figure 14).

Figure 14. Tweet on the presentation of the Climate Change Living Lab in the Open Access Week 2022

Finally, on December 2, 2021, IntelComp represented the Data Driven Policy Cluster at the workshop "Enabling Data economy for Local Communities" in the European Big Data Value

Forum 2021 (EBDVF)[54]. Figure 15 shows a screenshot of the Data Driven Policy Cluster presentation by the IntelComp Project Coordinator, Cecilia Cabello.

Figure 15. Screenshot of the Data Driven Policy Cluster intervention at the EBDVF 2021
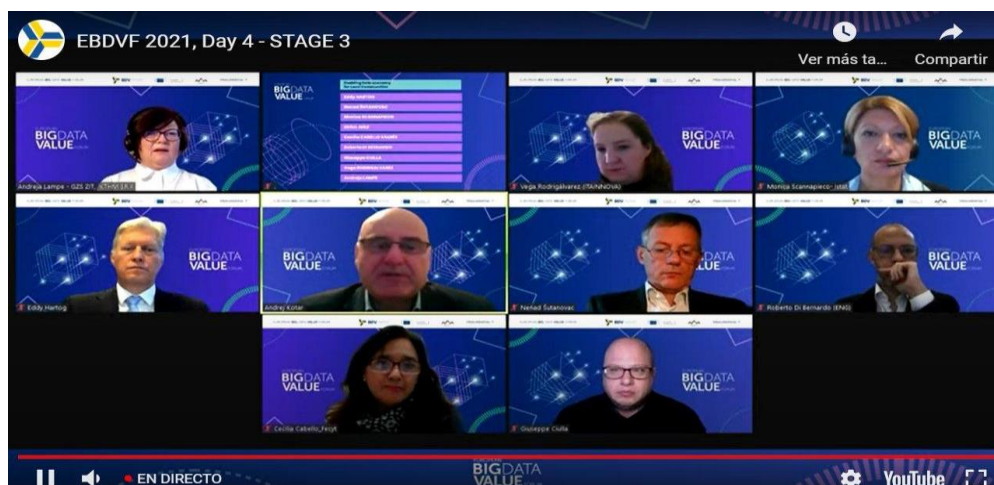
3. STATUS OF THE KEY PERFORMANCE INDICATORS OF THE DCP

According to the DCP, the following Key Performance Indicators related to dissemination and communication activities are being monitored (Table 7).

- *Activity area of dissemination events organized by the Project*. These indicators try to capture the efforts in involving Public Administrations and representatives from academia, industry, and citizen associations in the IntelComp Living Labs.

    o The first indicator measures the number of attendees from Public Administrations in the three consultation workshops (AI, Climate Change and Health); in the six preparatory workshops for the Climate Change Living Lab; in the kick-off event organized by the AI Living Lab and in the event showing the IntelComp STI Viewer tool organized by the Climate Living Lab. The value up to 31 December 2022 is 76: 22 in AI related events, 42 in Climate events and 12 in Health events). The target for the whole of the project (100 attendees) seems feasible to achieve.

    o The second indicator measures the number of attendees from academia, industry, and citizen organizations in those events. The value up to 31 December 2022 is 150: 42 in AI events, 98 in Climate events and 10 in Health events. The target for the whole of the project (120 attendees) has already been achieved.

- *Audiovisual materials for training sessions.* According to the Training Plan, the webinars are expected to take place in 2023.

- *Scientific contributions:*

    o The first indicator measures the number of publications in JCR journals. The value of this indicator up to now is two: the journal article "Validation of Scientific Topic Models using Graph Analysis and Corpus Metadata", published in *Scientometrics*, and the

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[54] https://european-big-data-value-forum.b2match.io/

contribution to the International Conference on Sustainable Development 2021, "Accelerating science driven blue growth via a competitive intelligence cloud/HPC platform for AI-based STI policy making" has been published in the *Environmental Sciences Proceedings*. The target for this indicator (6) seems feasible to achieve as there're four submissions to JCR journals or conference proceedings under review.

o The second indicator measures the number of contributions made by the consortium to international conferences. The value of this indicator up to now is five: the 8th Workshop on Argument Mining; the 2nd International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment; the 2021 International Conference on Sustainable Development; the 2022 Conference of the European Forum for Studies of Policies for Research and Innovation (Eu-SPRI) and the EOSC Symposium 2022. The target for this indicator (6) seems feasible to achieve as there're three contributions to international peer-reviewed conferences under review.

Table 7. Status of the Key Performance Indicators of the DCP

Activity Area	Indicator (KPI)	Target	Value
Dissemination events organized by the Project	# Attendees National Infodays for Public Administrations (total)	100	76
	# Attendees National Infodays for Academia / Industry / Citizens (total)	120	150
Audiovisual materials for training sessions	# Public webinars	6	0 (Expected for 2023)
(expScientific contributions	# Scientific publications (JCR journals)	6	2
	# Contributions to international peer review conferences about NLP, AI, HPC and STI Policy	6	5

4. IMPLEMENTATION OF THE DISSEMINATION AND COMMUNICATION PLAN IN 2023

4.1. Objectives

The three specific objectives of the Plan are: i) to raise awareness of the Project, (ii) to disseminate its results and (iii) to support the engagement of external actors in the Project. In 2023, the communication and dissemination activities will focus on the two latter objectives.

The consortium will make sure that the project's results (e.g. scientific publications and AI services) are available to the scientific & academic community. But, given that IntelComp is an innovation action, dissemination action will focus on showing the IntelComp platform and its tools to ministries and funding agencies, and policy stakeholders from academia, industry, and society. Regarding the engagement of external actors in the Project, the communication activities will focus on the participation of external actors from Public Administrations and policy stakeholders in the Living Labs.

4.2. Tasks

In this section we describe the tasks that are planned to be executed up to the end of the Project on December 31, 2023 (Table 8).

Table 8. Dissemination and Communication Tasks in 2023

Area	Communication / Dissemination purpose	Task	Owner	Due Date (in month)
Channels	C&D	Include a section on the platform tools in the Project Website including the technical content	FECYT	November
	C	Prepare and send two newsletters	FECYT / NTT DATA	January and June
	C&D	Generate a database of news media and journalists	FECYT / All partners	October
Materials	C	Create audiovisual materials for training sessions (6 webinars)	FECYT	Dates of the webinars to be confirmed
	C&D	Produce a press release	FECYT and NTT DATA / All partners	November
	D	Produce scientific publications	All partners	Continuous
Actions	D	Submit contributions to conferences	All partners	Continuous
	C&D	Organize Living Lab events for Public Administrations and policy stakeholders	Living Lab leaders	Dates of the Living Labs events in 2023 to be confirmed
	C	Organize the Collective European Day. Closing event of the project (100 attendees)	FECYT	November

5. CONCLUSIONS

This Dissemination and Communication Report has given an account of the status of the implementation of the DCP during the first two years of the project and has shown all the communication and dissemination channels, materials and actions taken so long to increase the visibility of the Project activities and outputs within the consortium and to external audiences

Of the twenty tasks foreseen in the DCP for 2021, fourteen have been done by the end of 2021 and eighteen by the end of 2022. The press release and the associated database of news media and journalists have been delayed until a first version of the platform is ready.

The values of the indicators related to dissemination and communication activities show a good progress of the DCP implementation. The targets for the whole of the Project seem feasible to achieve.

In 2023 the communication and dissemination activities will focus on the dissemination of the results of the project and on supporting the engagement of external actors in the Project. The consortium has defined a series of tasks that are planned to be executed up to the end of the Project, defining owners and deadlines of these tasks.

There will be an update of this Dissemination and Communication Report at the end of the Project (December 2023).