



# EOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

## Researchers' Familiarity with EOSC

**Rob Carrillo**  
Trust-IT

WP2 "The Human Factor of the EOSC" Lead



EOSC-Pillar has received funding from the European Union's Horizon 2020 research and innovation Programme under Grant Agreement No. 857650.

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# Where can I find the National Initiatives Survey?

- ★ Austrian Social Science Data Archive  
<https://data.aussda.at/dataset.xhtml?persistentId=doi:10.11587/VOSVGK%20>
- ★ Bodlos et al. (2020)

The screenshot shows the AUSSDA (Austrian Social Science Data Archive) website. The header includes the AUSSDA logo and navigation links: Add Data, Search, About, User Guide, Support, and Anita Bodlos. Below the header, there's a public notice: "Public (AUSSDA) We make social science data accessible, creating opportunities for research and data reuse, benefitting science and society." The main content area displays the dataset "EOSC Pillar 'National Initiatives' Survey (SUF edition)" with a version of 1.0. The dataset is described as a cross-section study in Austria, Belgium, France, Germany, and Italy, aiming at landscaping national initiatives of open research data and services with relevance to the European Open Science Cloud (EOSC). The dataset includes questions on the perception of EOSC and detailed questions assessing e.g. the e-infrastructures' business models, technical characteristics, access conditions, FAIRness of the data holdings and adopted policies related to open science. The dataset is categorized under Social Sciences and includes keywords such as Access to information and communications technology, Communication networks, Data, Data transmission, Dissemination of information, Information/library systems and services, Licences, Research, Scientific research, Social research, Surveys, Technology and innovation. The page also shows a "Cite Dataset" button and a "Dataset Metrics" section indicating 100 Downloads.

AUSSDA > Public > EOSC Pillar "National Initiatives" Survey (SUF edition)

**EOSC Pillar "National Initiatives" Survey (SUF edition)**  
Version 1.0

Bodlos, Anita; Hönegger, Lisa; Kaczmirek, Lars; Beckmann, Volker; Breton, Vincent; Romier, Geneviève; Van Wezel, Jos; Streit, Achim; Stevanovic, Uros; Galeazzi, Fulvio; Tanlongo, Federica; Van Nieuwerburgh, Inge, 2019, "EOSC Pillar "National Initiatives" Survey (SUF edition)", <https://doi.org/10.11587/VOSVGK>, AUSSDA, V1

**Dataset Metrics**  
100 Downloads

**Description**  
Full edition for scientific use. The EOSC-Pillar "National Initiatives" Survey is a cross-section study in Austria, Belgium, France, Germany, and Italy. The survey aims at landscaping national initiatives of open research data and services with relevance to the European Open Science Cloud (EOSC). Four target groups are part of the study: e-infrastructures, research infrastructures, universities and funding bodies. The survey contains questions on the perception of EOSC as well as detailed questions assessing e.g. the e-infrastructures' business models, technical characteristics, access conditions, FAIRness of the data holdings and adopted policies related to open science.

**Subject**  
Social Sciences

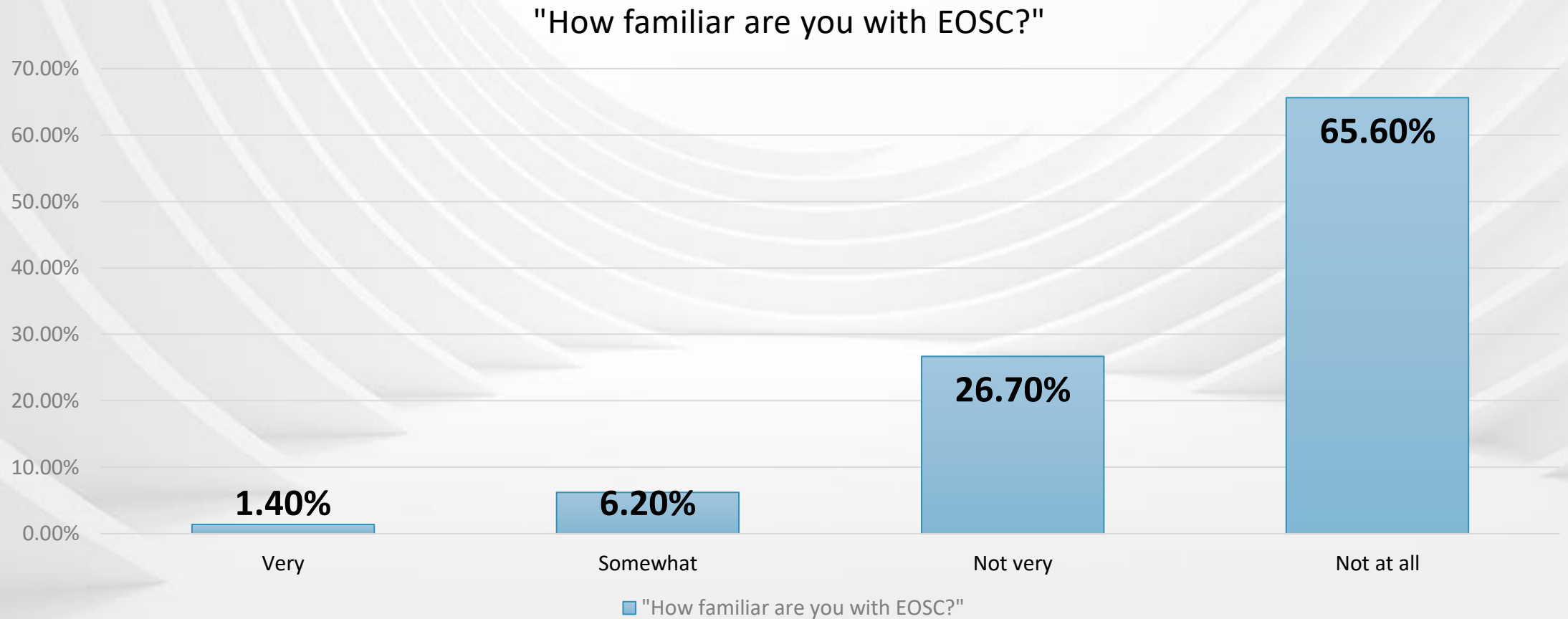
**Keyword**  
Access to information and communications technology, Communication networks, Data, Data transmission, Dissemination of information, Information/library systems and services, Licences, Research, Scientific research, Social research, Surveys, Technology and innovation

Files Metadata Terms Versions

# References

- ★ Bodlos, A., Hönegger, L., Kaczmirek, L., Beckmann, V., Breton, V., Romier, G., van Wezel J., Streit, A., Stevanovic, U., Galeazzi, F., Tanlongo, F., and van Nieuwerburgh, I. (2020). EOSC-Pillar 'National Initiatives' Survey.
- ★ Bodlos, A., Hönegger, L., Kernecker, T., Geistberger, J., Di Giorgio, S., Mathieu, G., Van Nieuwerburgh, I., Romier, G., Szabo, D., Tanlongo, F., Vernet, M., Van Wezel, J., Reichenbach, R., Rouchon, O., Hermans, E., and Sanaa, Y. (2022). EOSC Pillar Researcher Survey (SUF edition).

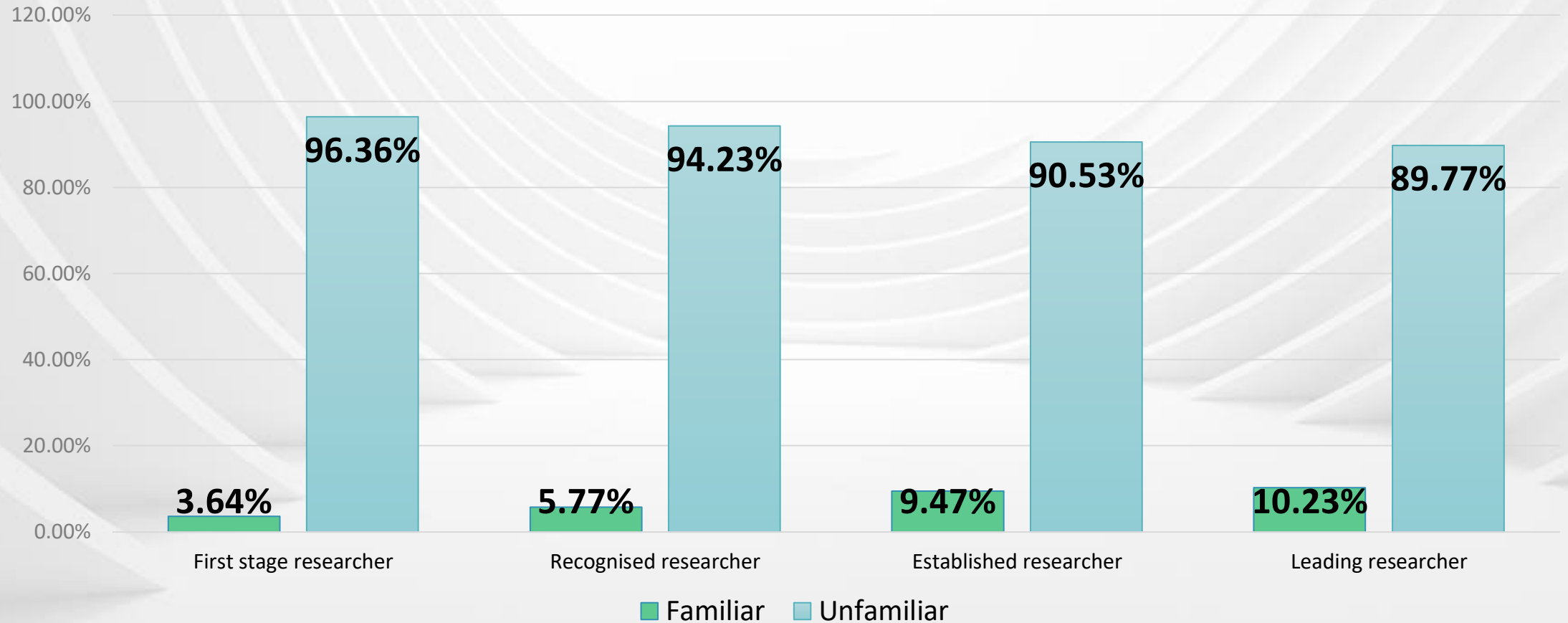
# Familiarity with EOSC amongst researchers





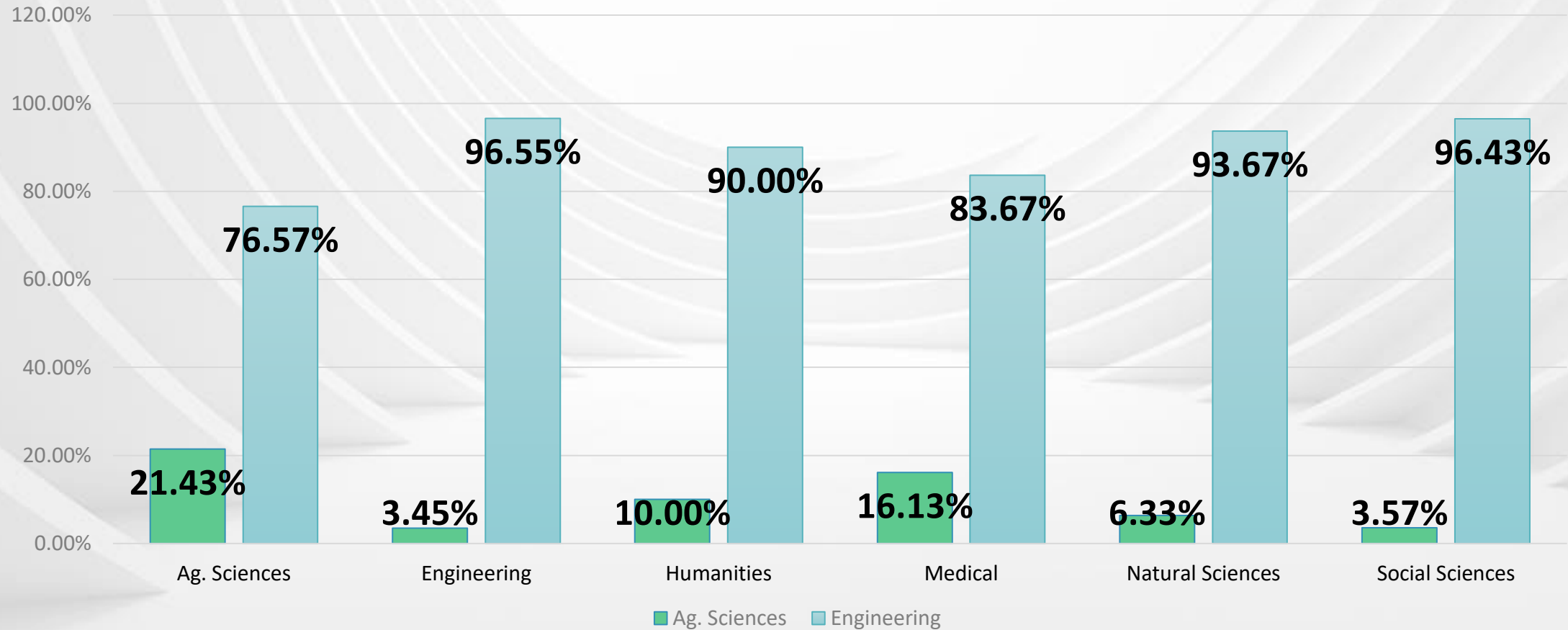
# Researchers: Familiarity with EOSC by career stage

"How familiar are you with EOSC?"



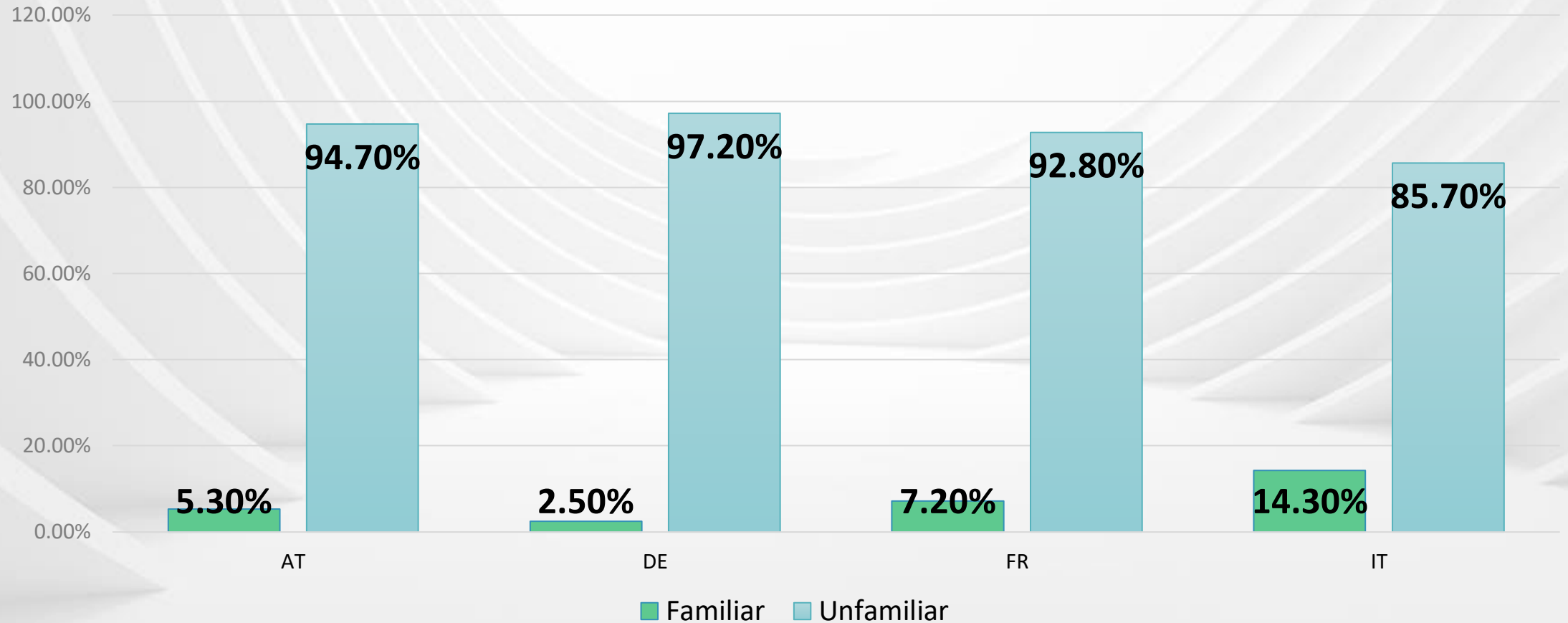
# Researchers: Familiarity with EOSC by discipline

"How familiar are you with EOSC?"



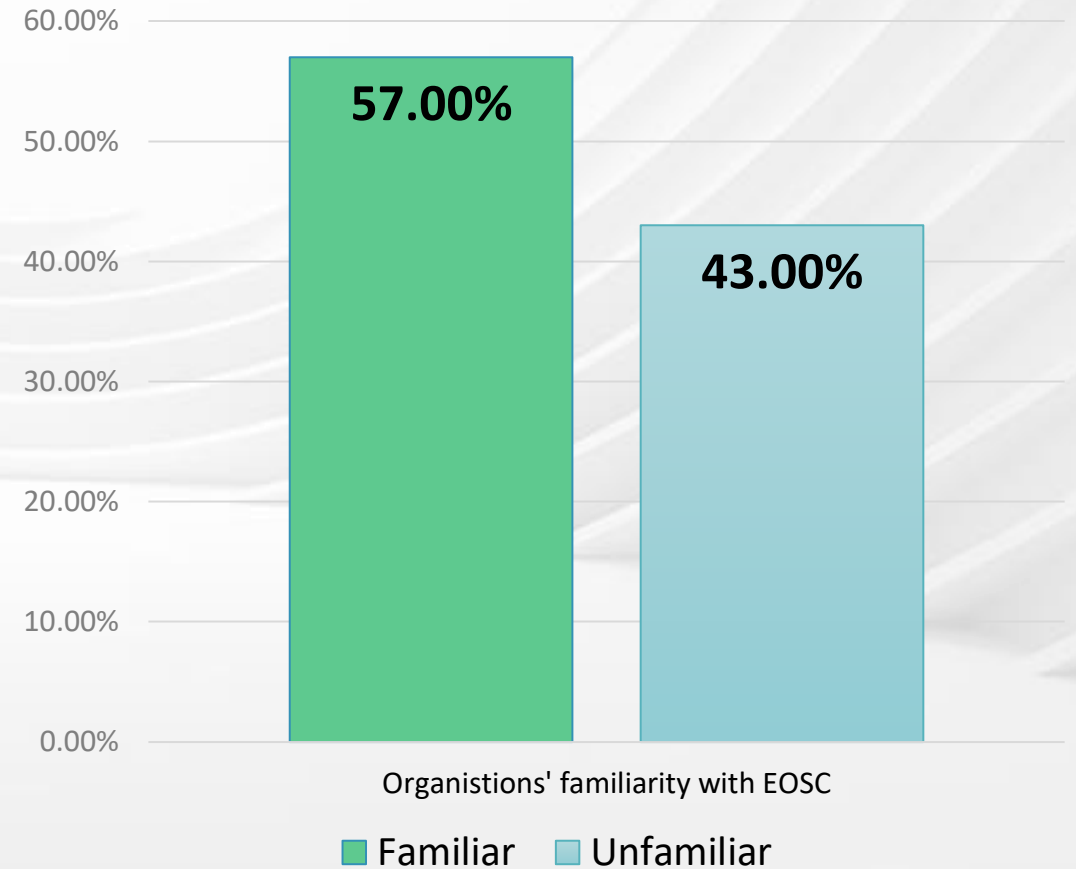
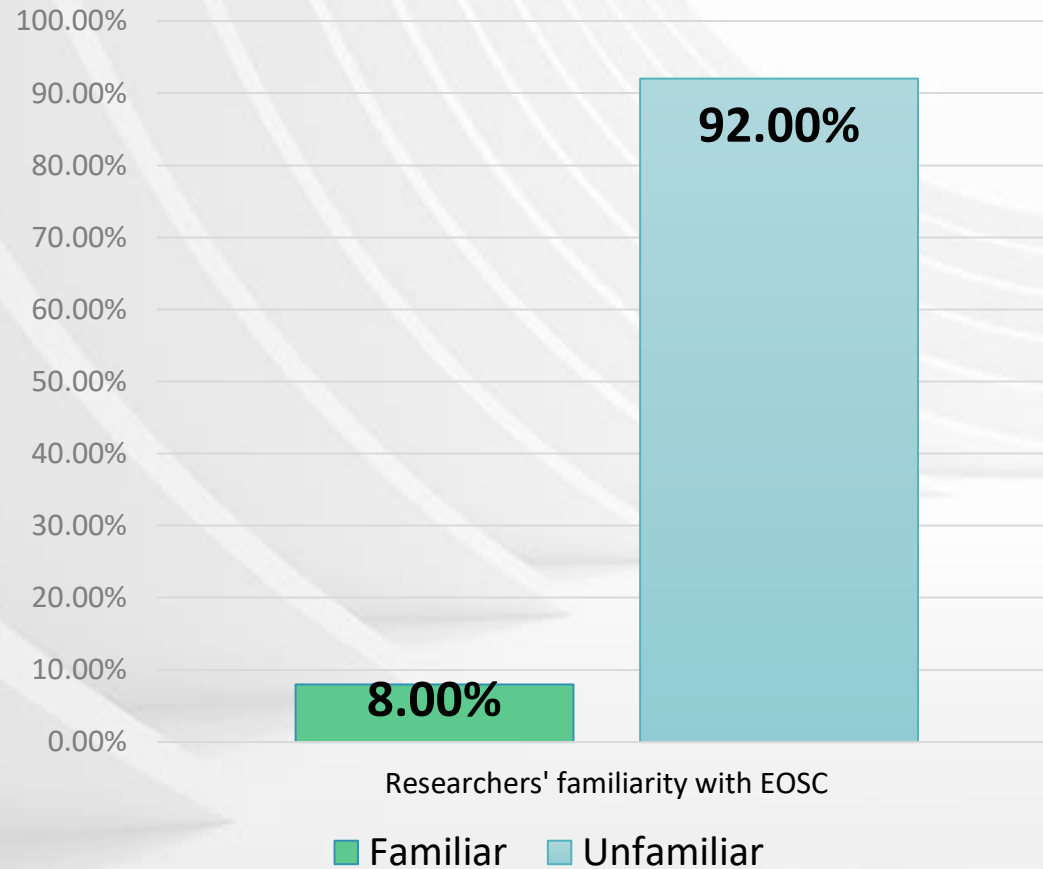
# Researchers: Overall familiarity with EOSC by country

"How familiar are you with EOSC?"



# Familiarity with EOSC: Researchers and Organizations

"How familiar are you with EOSC?"





## Key points: Familiarity with EOSC

- ★ EOSC is largely unknown to the academic community. Most familiar amongst established / leading researchers and agricultural and medical sciences.
- ★ Large gap in familiarity between organisations and researchers

# Recommendations

- ★ Focus on spreading awareness about EOSC
- ★ Engagement: Building open science networks with researchers

# EOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

# Thank you!

## Get in touch with us!



[www.eosc-pillar.eu](http://www.eosc-pillar.eu)



[@EoscPillar](https://twitter.com/EoscPillar)



[/company/eosc-pillar](https://www.linkedin.com/company/eosc-pillar)



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# EOSC-Pillar

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## EOSC-Pillar Ambassadors Programme T2.3

Julia Geistberger & Marie Czuray (University of Vienna)

Oct. 2022



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## Stories of Data: Open.Science.Talk



**EOSC-Pillar**



# Our Stories of Data - Examples

## Spread the word!

Download our materials, raise awareness of EOSC at your institution and among other researchers. Get involved in the EOSC journey and help promote Open Science culture in Europe.

### Materials

- Download the official poster
  - English version
  - French version
  - Dutch version
  - Italian version
  - German version
- Download the presentations on EOSC for researchers and for organisations!
  - EOSC for researchers
  - EOSC for organisations
- Videos
  - Why should you join EOSC?
  - Why should you trust EOSC?
  - The EOSC Federated AAI: How can it help you
  - What is Open Science and how does society benefit from it?

### Flyers

- How can academia benefit from EOSC?
  - General flyer
- How can researchers benefit & contribute?
  - English flyer
  - Italian flyer
  - Dutch flyer
  - French flyer
  - German flyer
- How can institutions benefit & contribute?
  - Organisations flyer
- How can EOSC help you in practice?
  - Use Case Flyer - FAIR Data for Earth Sciences

If you want to know more about the EOSC-Pillar Ambassadors Programme:

Get in touch with us!



What is Open Science and how does society benefit from it? - Insights from Austrian research experts

EOSC Pillar 45 Abonnenten



## Stories of Data: Open.Science.Talk



## FAIR Data for Earth Sciences

EOSC-Pillar with:



Stories of Data: Open.Science.Talk

**EOSC Ambassadors Programme**

The European Open Science Cloud (EOSC) is expected to play an important role in how researchers in Europe work. EOSC facilitates the sharing and the reuse of research results and data. This benefits not only science, but also society as a whole. Would you like to support your network and institution to get involved with EOSC?

**What is EOSC?** EOSC is a process to build a virtual environment for existing scientific data infrastructures. The aim is to make it easier to find, access and reuse research data, tools and services. EOSC also seeks to interlink and combine data sets across disciplines and borders and to enable new and unexpected discoveries.

EOSC environment, covering a wide range of scientific communities, as well as channels for data, publications, tools and services. EOSC also seeks to interlink and combine data sets across disciplines and borders and to enable new and unexpected discoveries.

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**PODCAST**

## Entdecken Sie die European Open Science Cloud



### Was ist EOSC?

Die European Open Science Cloud (EOSC) ist eine Initiative zur Vernetzung von Forschungsinfrastrukturen

- um den Austausch und die Nachnutzung von Forschungsergebnissen zu erleichtern
- um bei der Datenspeicherung und -analyse zu unterstützen
- um Datensätze über Disziplinen und Ländergrenzen hinweg zu verknüpfen
- um damit Innovationen und Synergien zu fördern.



### EOSC erleichtert Forschenden...

- den Zugang zu Daten und Publikationen
- zerstreute Daten und Ergebnisse zu verbinden
- unterschiedliche Datentypen zu verwalten
- die Veröffentlichung und gemeinsame Nutzung von Daten
- die multidisziplinäre Zusammenarbeit

### Welche Daten sind FAIR?

- Findable Accessible Interoperable Reusable
- Die FAIR-Prinzipien stellen sicher, dass Daten wiederverwendet und in der EOSC integriert werden können. Davon profitieren nicht nur die Wissenschaft, sondern die gesamte Gesellschaft.

### Der Zugang zur EOSC

Die European Open Science Cloud (EOSC) umfasst ein breites Spektrum an regionalen und thematischen Communities. Es gibt verschiedene Wege, sich an der Gestaltung der EOSC zu beteiligen.

## Ihr Beitrag zur European Open Science Cloud



### Wie profitieren Forschende von der EOSC?

- Vereinfachter Zugang zu vorhandenen Daten und Publikationen
- Vereinfachter Zugang zu Tools und Services
- Höhere Sichtbarkeit für Ihre Forschung und Ihre Daten
- Zugang zu Services des EOSC Portal: eosccportal.eu

### Wie können sich Forschende an der EOSC beteiligen?

- Machen Sie Ihre Daten FAIR
- Werden Sie aktiv im Forschungsdatenmanagement
- Sensibilisieren Sie Ihr Umfeld für die Bedeutung und das Potential von FAIR Data
- Verwenden Sie Tools und Daten der EOSC und erhöhen Sie so deren Sichtbarkeit
- Nutzen Sie das EOSC-Pillar Ambassadors Programm: eosccpillar.eu/ambassadors-programme

### Interessiert an Open Science?

Machen Sie auf die European Open Science Cloud (EOSC) aufmerksam - und zeigen Sie Forschenden, Studierenden und der Leitung Ihrer Institution, wie sie alle von der EOSC profitieren können. Wollen Sie mehr über das EOSC-Pillar Ambassadors Programm erfahren? Kontaktieren Sie uns!



@EOSCPillar /company/eosc-pillar bit.ly/3aWYSbB zenodo zenodo.org/communities/eosc-pillar eosccpillar.eu

EOSC-Pillar ist Teil des Forschungs- und Innovationsprogramms Horizon 2020 der Europäischen Union, Fördervereinbarung Nr. 857650.

# Contribute to the European Open Science Cloud

## Are you interested in Open Science?

Raise awareness for the European Open Science Cloud (EOSC) - and show researchers, students and decision-makers at your institution how to benefit from EOSC and how to get involved! If you want to know more about the EOSC-Pillar Ambassadors Programme,

**get in touch with us!** 





# Communication Materials

To increase awareness for EOSC, we created presentations, flyers and posters  
Check out: <https://www.eosc-pillar.eu/ambassadors-programme>

Adapt the material!  
Share it with your network!





# Agenda

- EOSC-Pillar Ambassadors Programme
- Communication Materials
- Stories of Data - Podcast
- Sustainability of T2.3
- Get involved!

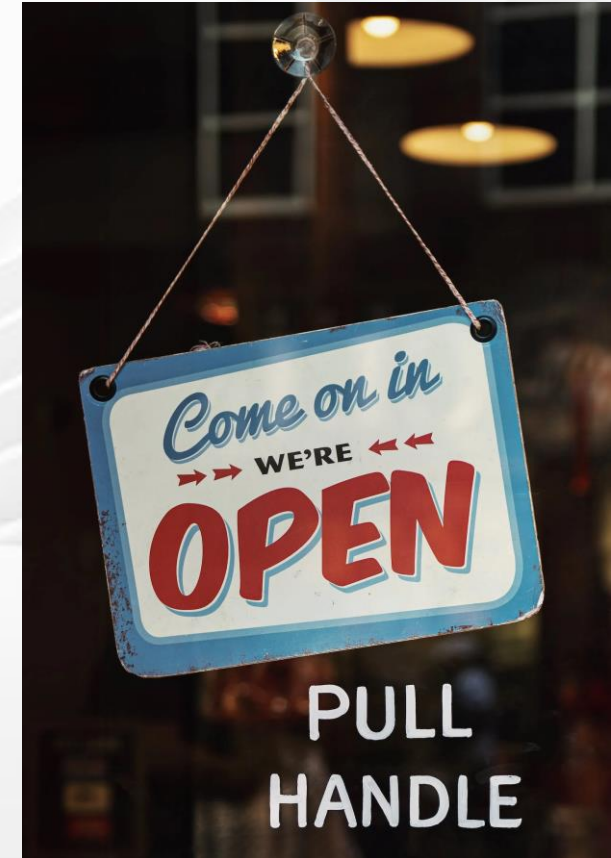


# “Not open? Not science!”

Open Science = Science done right

But how to make this happen?

-> Community Building & Stakeholder Engagement



# EOSC-Pillar Ambassadors Programme

Community Building & Stakeholder Engagement



## Long-term goals of the project

- Raise awareness of EOSC (among researchers & supporting staff)
- Make its concepts tangible
- Provide materials that multipliers can use

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## Website & Contact Form

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## Some Numbers...

<b>Material</b>	<b>Views (by Sept. 2022)</b>	<b>Downloads (by Sep. 2022)</b>
Poster	316	267
General Flyer	124	107
Flyer for Researchers	313	206
Italian Version	61	36
Dutch Version	40	20
French Version	57	34
German Version	74	62
Flyer for Organisations	186	124
Use Case Flyer FAIR Data for Earth Sciences	146	96

# Stories of Data: Open.Science.Talk

EOSC - What is it and does it pay off?

Goals of the Podcast:

1. Introduce EOSC to a broader audience:

**What is EOSC?**

2. Emphasize benefits for researchers:

**How to use EOSC?**



# { **Pilot: Welcome to the show!**

**With:**



**Marie  
Czuray**  
EOSC-Pillar



**Andreas  
Villarreal**  
SSHOC

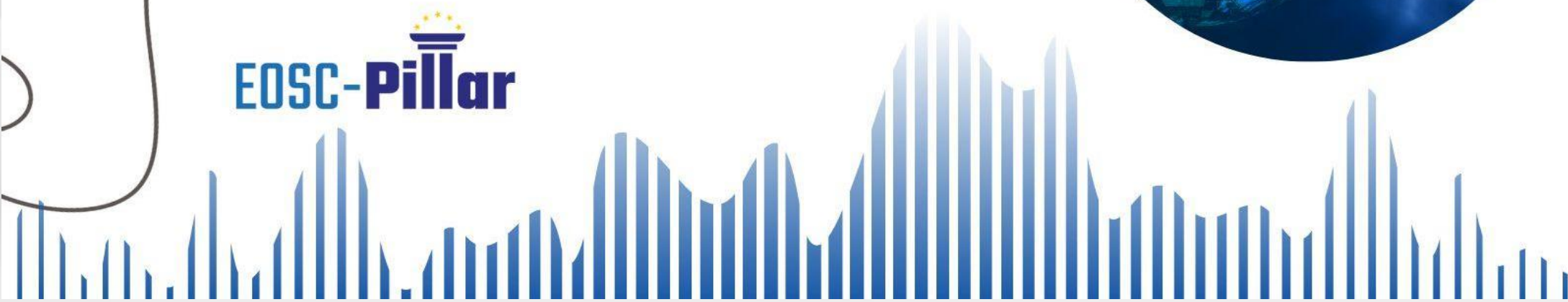




## Stories of Data: Open.Science.Talk



**EOSC-Pillar**





# Podcast Episodes

## Season 2 - EOSC-Pillar

- **13-09-2022 FAIR Data for Earth Sciences** (an interview with Marie Vernet, IFREMER; and Marco Kulüke, DKRZ)
- **06-09-2022 EOSC - Connecting research services** (an interview with Luciano Gaido, INFN)

## Season 1 - EOSC-Pillar and SSHOC

- **14-06-2022 EOSC - An Open Future** (with contributions from Edward Grey, Cees Van Der Eijk, Sally Chambers and Ron Dekker)
- **07-06-2022 SSHOCing Tools for the Job** (with contributions from Laura Morales, Sciences Po, and Ricarda Braukmann, DANS, collected at the SSHOC Final Conference)
- **31-05-2022 SSHOC - United in Diversity**
- **10-05-2022 EOSC - Who needs to do what?** (with contributions from EOSC Association directors and EOSC Steering Board members)
- **03-05-2022 EOSC - Let's get practical! Vol. 1** (the [EOSC-Pillar RDM Training and Support Catalogue](#), with Inge Van Nieuwerburgh and Paula Oset, Ghent Univ)
- **26-04-2022 EOSC - How to use it?** (with contributions from EOSC Association directors and EOSC Steering Board members)
- **19-04-2022 EOSC - Why and How?** (with contributions from EOSC Association directors and EOSC Steering Board members)
- **12-04-2022 Pilot: Welcome to the show!**

## Sustainability of T2.3

- ✓ Our material is publicly available at Zenodo under a CCBY licence
- ✓ Reuse is possible & encouraged
- ✓ Cooperation with CoP, EOSC Future, EOSC Focus etc.



## T2.3 Team & Partners



Federico, Emilie, Sara, Rob, Maria, Beatrice, Marco, Vincent, Anita, Franziska, Lisa, Theresa, Andreas, Veronika, Jos, Geneviève, Gilles, Volker, Rebecca, Inge, Paula, Luciano and Marine!

Get involved!  
**SHARE** the materials with your network!





Get involved!  
**USE the materials and be an Ambassador!**



Get involved!  
**FEEDBACK** is always welcome!





# EOSC-Pillar

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...ends...

BUT with your help,  
“our Stories of Data” continue!

**Please use & share the  
materials!**



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# Get in touch!

[julia.geistberger@univie.ac.at](mailto:julia.geistberger@univie.ac.at)

[marie.czuray@univie.ac.at](mailto:marie.czuray@univie.ac.at)





**Thank you very much!**



# EOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

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# EOSC-Pillar

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## Channels and Activities Used for Community Building

**Federico Drago**  
Trust-IT Services

Task 2.1 Lead - Communication, Dissemination and Outreach Strategy



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# The human factor of the EOSC: Dissemination, Outreach and Community building

Develop and implement a communication and dissemination strategy

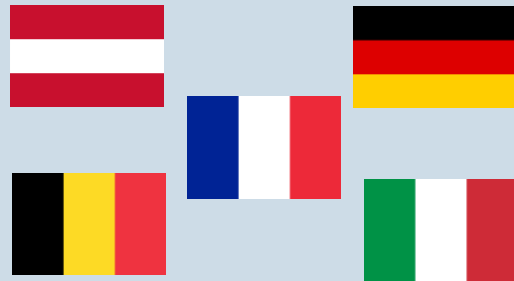
Build liaisons with stakeholders in the EOSC landscape

Ensure EOSC-Pillar presence at EOSC-related events

Pillar 1: Communication, Dissemination and Outreach



Pillar 2: Interaction with EOSC governance and EOSC-related initiatives



Pillar 3: Community building and stakeholder engagement



Connecting and showcasing results from all Work Packages



# Thematic campaigns

- ★ Campaign 1: Showcasing Diverse Use Cases & Community-Driven Pilots
- ★ Campaign 2: Policy and Legal Framework Recommendations
- ★ Campaign 3: Communicating the National Initiatives Survey
- ★ Campaign 4: Support for Onboarding Services
- ★ Campaign 5: Promoting the Open Call for Services
- ★ Campaign 6: Communications Support for Stakeholder Engagement Activities
- ★ Campaign 7: Supporting the Promotion of FAIR Culture

IMPACT

# Channels and activities

- ★ Website
- ★ Social media (Twitter, LinkedIn, YouTube)
- ★ Materials
- ★ Videos
- ★ Webinars
- ★ Workshops
- ★ Third party events
- ★ Zenodo
- ★ Podcasts
- ★ ... and more!

# eosc-pillar.eu as the central hub



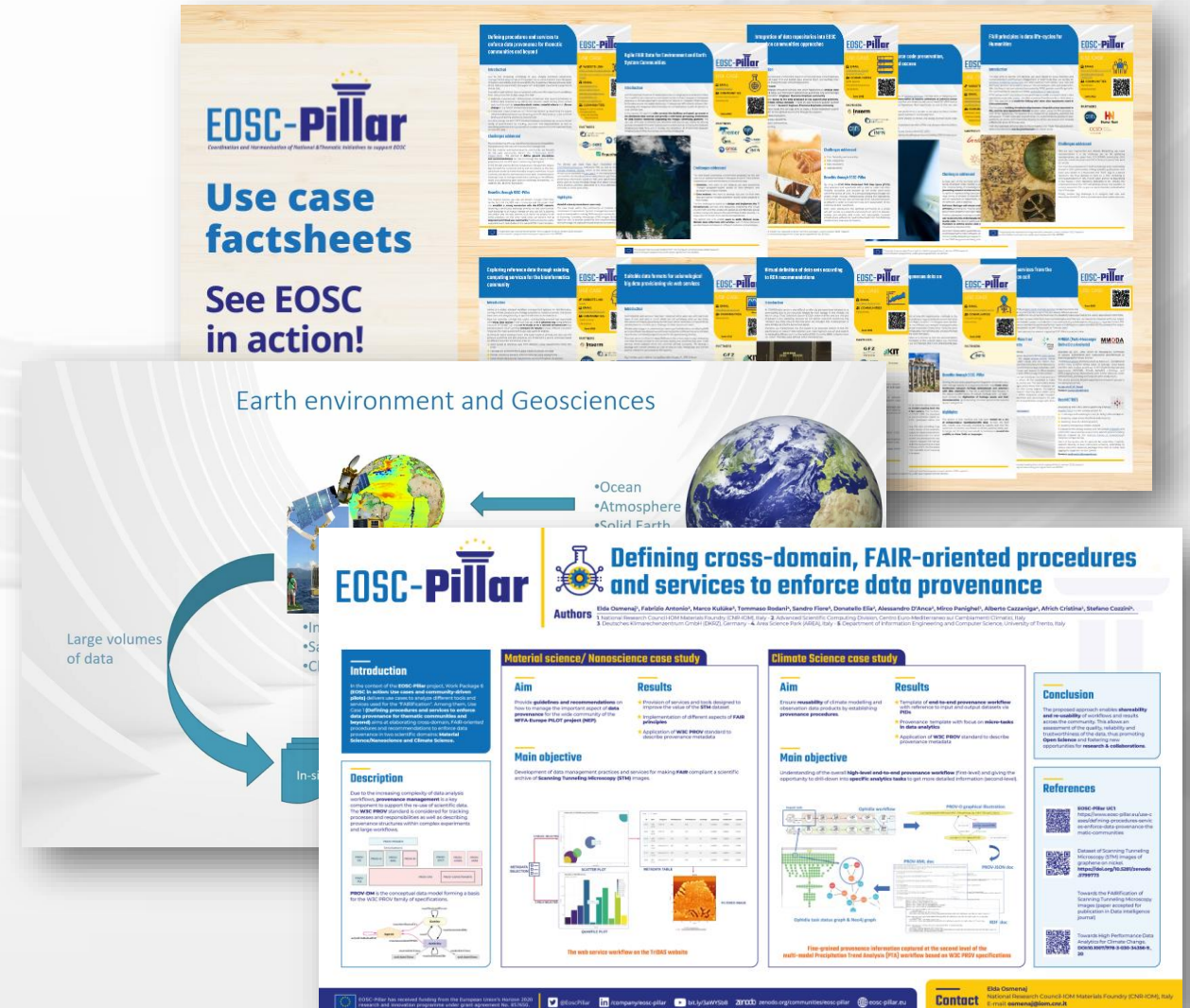
The website hosts the most relevant details about EOSC-Pillar results, results, use cases, activities.

Dedicated sections have been created and updated following the development of the project

- Results
- Resources
- Use cases
- News & Events
- Project info

# 1: Showcasing Diverse Use Cases & Community-Driven Pilots

- ★ Use case pages <https://www.eosc-pillar.eu/use-cases>
- ★ Use case videos [https://youtube.com/playlist?list=P\\_L7O0ENAs2ZbLG1gLPZvYOdpGJwVW\\_iK5Lz](https://youtube.com/playlist?list=P_L7O0ENAs2ZbLG1gLPZvYOdpGJwVW_iK5Lz)
- ★ Use case factsheets <https://www.eosc-pillar.eu/news/see-eosc-action-download-eosc-pillar-use-case-factsheets>
- ★ Use case posters – at the exhibition!



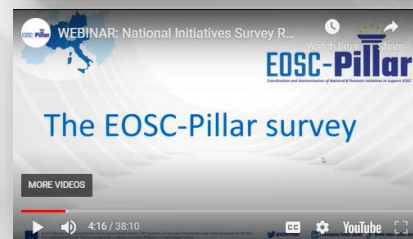
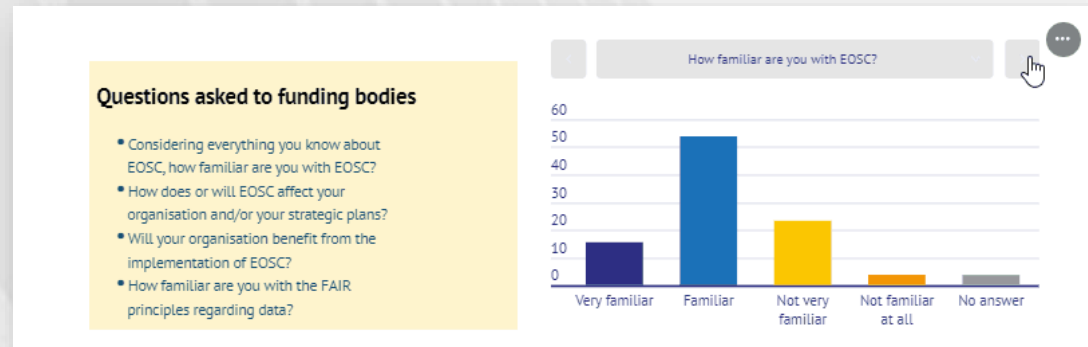


## 2: Policy & Legal Framework Recommendations



- ★ INFRAEOSC-05 collaboration <https://www.eosc-pillar.eu/infraeosc-5-collaboration>
- ★ Workshops <https://www.eosc-pillar.eu/events/eosc-hub-week-policy-landscape-across-europe>
- ★ Webinars <https://www.eosc-pillar.eu/events/webinar-role-policies-sustainable-eosc>
- ★ Recommendations <https://doi.org/10.5281/zenodo.6451312>
- ★ Checklist <https://doi.org/10.5281/zenodo.6327668>

# 3: Communicating the National Initiatives Survey



★ Published an interactive web section, pages, news dedicated to survey <https://www.eosc-pillar.eu/first-results-national-initiatives-survey>

★ 2 E-Reports published and promoted online

★ Webinar held to share survey results <https://www.eosc-pillar.eu/events/webinar-national-initiatives-survey-results>

★ Video pill produced to communicate results <https://youtu.be/VSTtebc3t3Y>

# 4: Support for Onboarding Services

## ★ Videos

- ★ EOSC Federated AAI <https://youtu.be/71pv7zZRB3k>
- ★ Why should you trust EOSC Portal resources? <https://youtu.be/F4oST9VdaxI>
- ★ Join the development of EOSC <https://youtu.be/7SL6NBjyrX8>

## ★ Promotional news about developments

- ★ Italian service registry <https://www.eosc-pillar.eu/news/first-national-service-registry-prototype-developed-eosc-pillar-italian-community>
- ★ Maturity of EOSC-Pillar services <https://www.eosc-pillar.eu/news/assessing-maturity-eosc-pillar-services>
- ★ Guidelines and recommendations <https://www.eosc-pillar.eu/news/guidelines-recommendations-technical-integration-resources-services-eosc>





# 5: Promoting the Open Call for Services

The screenshot displays the EOOSC-Pillar website with a header banner that reads "Open Call for thematic service providers". Below the banner, there are several service provider cards, each with a logo, title, description, and a link to "Access via EOOSC Portal".

- Ethnic and Migrant Minorities' (EMM) Survey Registry**: Proposed by SciencesPo (France). The EMM Survey Registry, jointly developed by the COST Action 16111 ETHNICSURVEYDATA, the H2020 project EOOSC (Social Sciences and Humanities Open Cloud) and the French ANR project FARETHMIGRANT, is a free online service for discovering and learning about existing quantitative surveys undertaken with EMM subpopulations in Europe and beyond. It offers detailed and structured metadata for each of the surveys documents. The EMM Survey Registry has two interfaces: the front-end and back-end. The front-end is where all the metadata is made available for discovery, access, and re-use. The back-end is where the metadata itself is managed and is where new metadata can be directly contributed to the EMM Survey Registry. The registry is intended for anyone interested in learning about and/or using quantitative survey data on EMM integration and/or inclusion, such as from academic researchers and policymakers. It is also of interest for data producers of quantitative surveys with EMM respondents.
- ReadMETRICS**: Proposed by Inria CNRS and Copernicus (France). ReadMETRICS is a new turnkey solution for:
  - monitoring transformative agreements, including before and beyond;
  - analysing usage across disciplines and consortia;
  - assessing value of publishing spend;
  - enabling comparative citation analysis.It is based on the already existing and field tested eXtreme and eXtreme free and open source tools, extending and including features inspired by the National Library of Luxembourg's transition to Open Access. Users of the service can for example be universities, hospitals, research libraries, or even institutions consortia, subscribing to various electronic resources packages that need to collect and aggregate usage data to that context.
- Thoth**: Proposed by Lancaster University (UK). Thoth is an Open Metadata Service for Open Access Books that assists publishers in managing openly licensed, standards-compliant bibliographic metadata for open access books, and opens gateways for metadata records to flow into dissemination, discovery, and preservation infrastructures. The primary users of Thoth are open access book publishers who will use the services to manage and disseminate bibliographic metadata for the titles they publish. Beyond that, Thoth can also be interesting for library publishing programs, university presses, or even commercial open access publishers, who are struggling with the incoherence of the open access book supply chain too.
- MMODA (Multi-Messenger Online Data Analysis)**: Proposed by EOOSC Data Centre for Astrophysics (University of Geneva, Switzerland) and "Laboratoire Astroparticule et Cosmologie (APC)" (Paris, France). The MMODA service (formerly known as AstroODA - Astrophysical Online Data Analysis) allows users to leverage cloud-based scientific data analysis workflows of astrophysical observatories/experiments: INTEGRAL, POLAR, ANTARES, LIGO/Virgo, and SOXS (LegacySurvey) observatories (with further resources under development), providing verified publication-ready results. This service primarily targets researchers and research groups in the astrophysical field.
- SIMBAD**: Proposed by CDS (Strasbourg astronomical Data Centre, Strasbourg, France). SIMBAD is the reference database for the nomenclature and bibliography of astronomical objects (outside the solar system), provided by CDS as one of its services for the astronomy research community. Typical users of the service are astrophysics researchers around the world, but also amateur astronomers, educators, planetaria and the general public. The service may also be of interest for users from other disciplines like bioinformatics. Astronomical observatories, space agencies (e.g. NASA, ESA, JAXA), astronomy data centres, and data archives integrate calls to SIMBAD into their own systems, i.e. for "name resolving" of astronomical object names and coordinates. Many astronomy software tools and services integrate calls to SIMBAD.

★ Promotion of Open Call across the EOOSC community <https://www.eosc-pillar.eu/news/resources-offered-thematic-services-integrate-eosc-national-catalogues>

★ Creation of page with open call awardees <https://www.eosc-pillar.eu/new-thematic-services-eosc-pillar-open-call>

★ News about process

★ <https://www.eosc-pillar.eu/news/eosc-pillar-providing-support-services-open-call-beneficiaries>

★ <https://www.eosc-pillar.eu/news/six-applicants-awarded-eosc-pillar-open-call-thematic-service-providers>

★ Factsheet <https://doi.org/10.5281/zenodo.6726228>



# 6: Communications Support for Stakeholder Engagement Activities

- ★ Annual reports

- ★ First <https://doi.org/10.5281/zenodo.4288472>

- ★ Second <https://doi.org/10.5281/zenodo.5726913>

- ★ Materials for 3<sup>rd</sup> party events

- ★ Technical support for webinars & workshops

- ★ Promotion of activities by other WPs

- ★ Support for EOSC-Pillar Ambassadors Programme

- ★ Podcast <https://www.eosc-pillar.eu/stories-data-open-science-podcast>

- ★ Flyers, Posters, etc. <https://www.eosc-pillar.eu/ambassadors-programme>



# 7: Supporting the Promotion of FAIR Culture



★ RDM Training and Support Catalogue <https://www.eosc-pillar.eu/rdm-training-and-support-catalogue>

★ Webinar <https://www.eosc-pillar.eu/events/webinar-eosc-pillar-rdm-training-and-support-catalogue>

★ Supported and promoted a range of FAIR-oriented training activities and events, also in collaboration with other projects



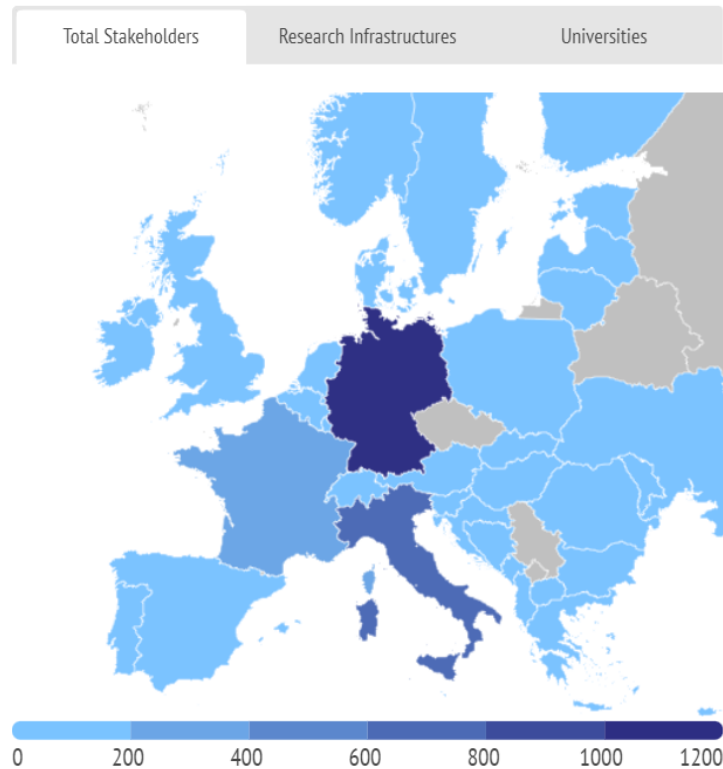
# An engaged community



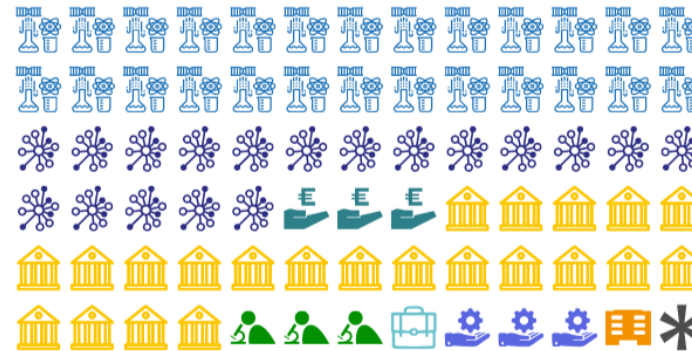


# Get to know the EOSC-Pillar Community - October 2022

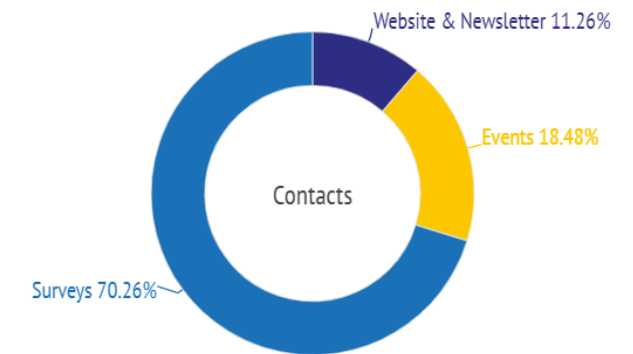
Map of the EOSC-Pillar Community



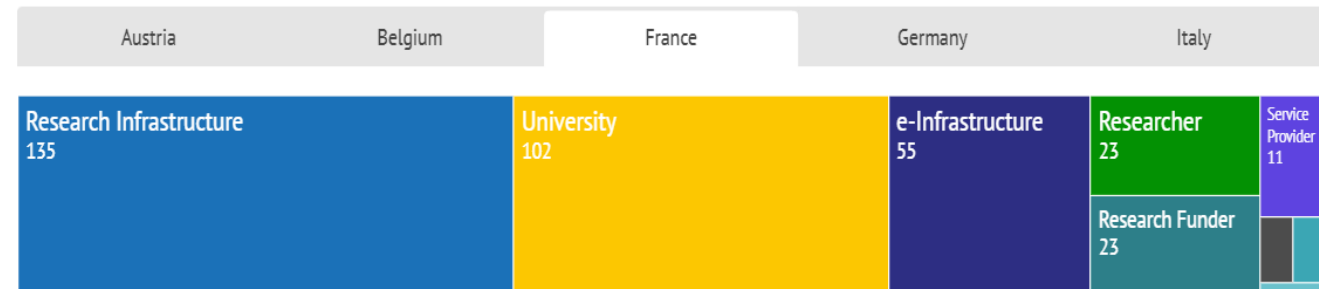
Breakdown by stakeholder type



Source



Breakdown by EOSC-Pillar countries



Interactive visual with stats about the EOSC-Pillar community

<https://www.eosc-pillar.eu/eosc-pillar-community>



# Lessons learned and legacy



- ★ Teamwork!
- ★ Materials and activities also in national languages
- ★ A tight-knit and engaged community, able to collaborate across borders and disciplines
- ★ Interaction with other EOSC initiatives to be strengthened in Horizon EU

# EOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

## Thank you!

★ Federico Drago – Trust-IT  
Services

## Get in touch with us!



[www.eosc-pillar.eu](http://www.eosc-pillar.eu)



[@EoscPillar](https://twitter.com/EoscPillar)



[/company/eosc-pillar](https://www.linkedin.com/company/eosc-pillar)



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# EOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

## Building our Relationship with the EOSC Governance and Related Initiatives

**Rob Carrillo**  
Trust-IT

WP2 & Task 2.2 “Concertation with the EOSC governance and related EOSC initiatives” Interim Lead



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# EOSC-Pillar in the changing landscape

- ★ Despite changing governance landscape, it still had to ensure two-way communication with:
  - ★ EOSC governance
  - ★ National initiatives
  - ★ Relevant EOSC projects
- ★ EOSC-Pillar had to do this because:
  - ★ Subject matter expertise were needed in the various governance bodies i.e. working groups, task forces and advisory groups
  - ★ National initiatives needed to be supported and a platform/network that links them and also harmonises them to what's happening at the European level.
  - ★ The ecosystem of projects also needed a reference point for the EOSC actors on a national level
  - ★ EOSC-Pillar itself needed to harmonise its ongoing work with the directions the EOSC governance was taken, to ensure its work remained relevant



# Approach

- ★ Map the EOSC ecosystem
  - ★ Governance, related projects, national initiatives
  - ★ meetings with representatives and participating in workshops
  - ★ Identify relevance and importance of representation or input
- ★ Ensuring input:
  - ★ Putting forward representatives
  - ★ Identifying potential contact points (from EOSC-Pillar consortium members)
  - ★ Keeping track of relevant discussions and opportunities for influence
- ★ T2.2 kept a file within WP2 of key contacts and reported relevant discussions, ensuring project awareness of both national, and European-level developments.
- ★ Snapshots of relevant reports and contributions are summarized in D2.3 and D2.4 (Status of the Relationship with the EOSC Governance & Related Initiatives)

# The evolving landscape – EOSC projects ecosystem

Continuous update of the collection of key contacts and reported relevant discussions, ensuring project awareness of both national, and European-level developments

## EOSC Governance



- EOSC Governance Board
- EOSC Executive Board
- 6 Working Groups
- 4 Interest Groups



- EOSC-European Partnership
- EOSC Association Board
- 5 Advisory Groups & its Task Forces



## RELEVANT INITIATIVES

### Other INFRAEOSC-5 Projects

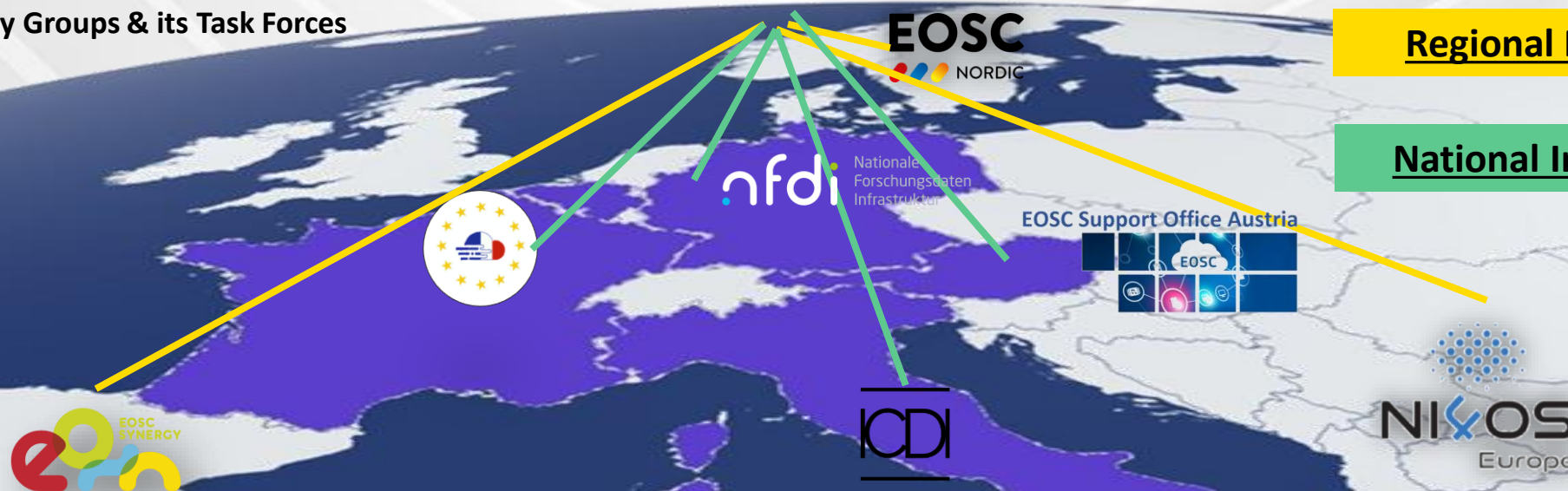


### Implementation Projects



### Regional Projects

### National Initiatives



# Governance Contributions:

## EOSC Executive Board – Working Group ('19-'20)

- ★ **Relevance:** WGs made recommendations on EOSC priority areas. It was necessary to harmonise EOSC-Pillar developments with the WG discussions and for EOSC-Pillar to feed in experiences to WG work.
- ★ Here, projects were directly invited to put forward representatives while some had membership on a personal or institutional capacity

Working Group	EOSC-Pillar WG Members	EOSC-Pillar Contributions/ Positions Taken
Architecture	Tobias Weigel (DKRZ), Jerome Pansanel (CNRS), Tommaso Boccali (INFN), Paolo Manghi (CNR-ISTI), Andrea Ceccanti (INFN)	Importance of a viable EOSC already useful for the researchers and tailored to their needs, and of the resources, also in terms of computing infrastructures, necessary for a real use of the data.
FAIR	Stefano Cozzini (Area Science Park)	Considering the broad view of interoperability, that in the end was adopted in the document.
Landscape	Paolo Budroni (UWien), Achim Streit (KIT), Volker Beckmann (CNRS)	EOSC-Pillar WP3's survey results and methodology
Rules of Participation	Pasquale Pagano (CNR)	Role of the users, also according to their past experiences in research performing organizations
Sustainability	Federico Ruggieri (GARR), Paolo Budroni (UWien), Achim Streit (KIT), Volker Beckmann (CNRS)	Articulating the next phase of the expanding EOSC, after the establishment of MVE, when engagement of a larger public sector and of private sectors will be required
Training & Skills	Emma Lazzeri (CNR), Suzanne Dumouchel (CNRS)	Competence Centres and on the learning and training catalogue already being implemented already in some of the EOSC-Pillar countries

# Governance Contributions:

## EOSC Association – Advisory Groups

- ★ **Relevance:** With the EOSC Association firmly established, EOSC-Pillar needed to ensure its outputs remain highly relevant and continued to be in line with the EOSC Association.
- ★ Here, membership was based not on project input but on personal expertise. While there was no official project representation, we still had some EOSC-Pillar consortium members involved in the AG Task Force work.

Advisory Group	Advisory Group Task Force	EOSC-Pillar AG-TF members
Implementation of EOSC	PID Policy and Implementation	Claudio Pisa (GARR)
	Researcher engagement and adoption	Vincent Breton (CNRS-IN2P3), Federica Tanlongo (GARR)
	Rules of Participation (RoP) compliance monitoring	Luciano Gaido (INFN), Odile Hologne (INRAE)
Technical Challenges	Infrastructures for quality research software	Leonardo Candela (CNR), Violaine Louvet (CNRS)
Metadata and Data Quality	Semantic Interoperability	Yann Le Franc (e-Science Data Factory, CINES)
Research Careers and Curricula	Upskilling countries to engage in EOSC	Emma Lazzeri (GARR)
Sustaining EOSC	Financial Sustainability	Laura Perini (INFN), Jean-Pierre Villotte (CNRS)
	Long-term data preservation	Marcello Maggi (INFN), Riccardo Smareglia (INAF)



## Role of EOSC-Pillar in this initial phase of EOSC-A

- ★ EOSC-Pillar members participated in the establishment of several AGs. Nine out of 52 TF coordinators come from EOSC-Pillar institutions + five more coming from ICDI-affiliated institutions developed the TF charters.

# EOSC Association

## EOSC Legal Entity Set-up

### Founding Members:

- GÉANT – Cathrin Stover
- CESAER – Karel Luyben
- CSIC – Josè Luis de Miguel
- **ICDI – Federico Ruggieri (GARR)**

## Board of Directors Elected

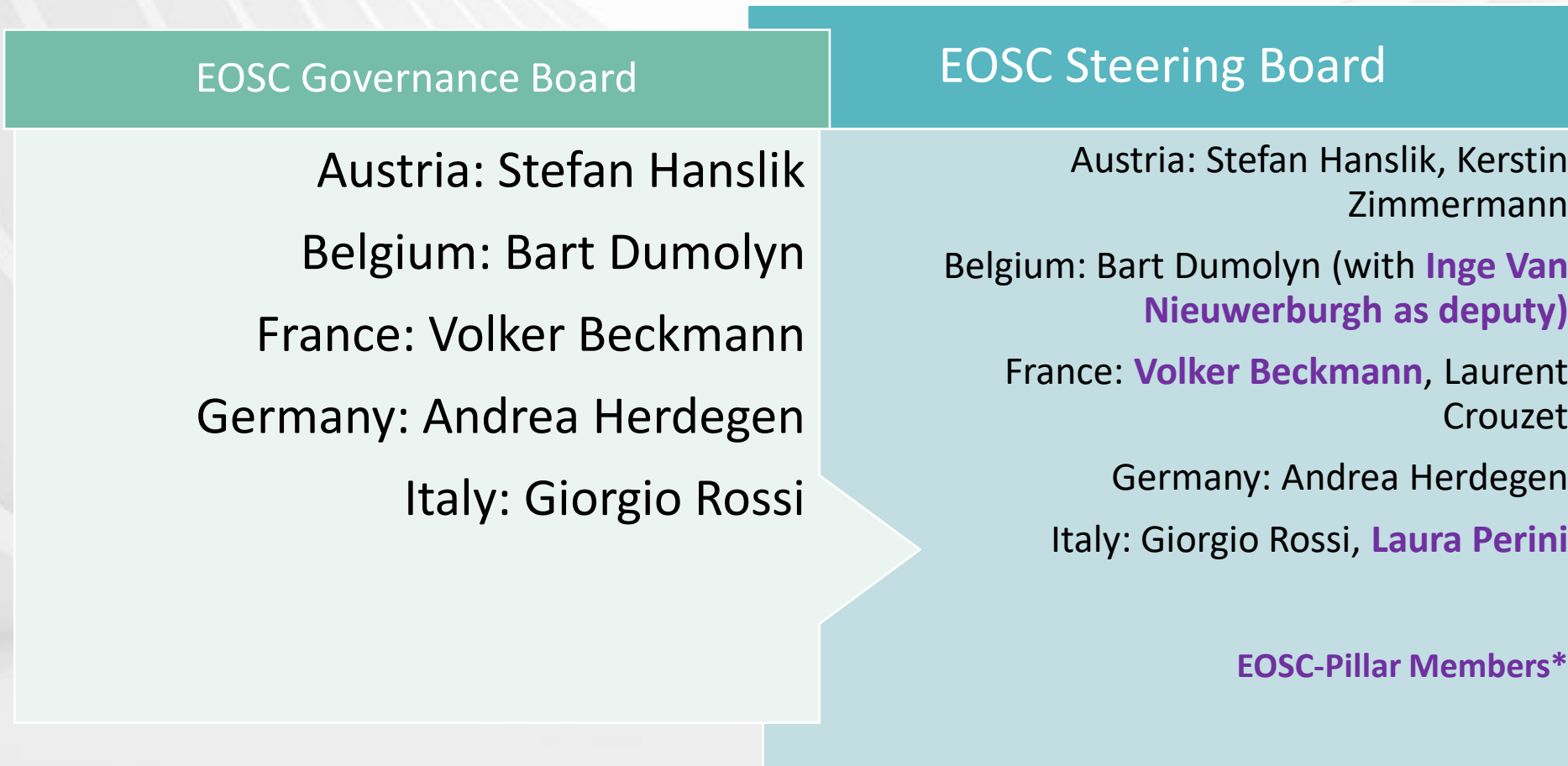
### Board of Directors:

- Karel Luybem, President (CESAER)
- **Marialuisa Lavitrano (UNIMIB)**
  - **Klaus Tochtermann (ZBW)**
- **Suzanne Dumouchel (CNRS)**
  - Sarah Jones (GEANT)
- Ignacio Blanquer (UPV)
  - Sara Garavelli (CSC)
  - Bob Jones (CERN)
- Wilhelm Widmark (SE)

Throughout the development of the EOSC Association, EOSC-Pillar has kept close contact with Board Members from EOSC-Pillar countries.

# Steering Board

- ★ WP2 and T2.2 kept track of the transition from the EOSC Governance Board to the EOSC Steering Board representing the Member States. Note: EOSC-Pillar Consortium members were directly present in the Steering Board



# INFRAEOSC-05 Collaboration: MoU resulting in a Cross Project Collaboration Board & Task Forces

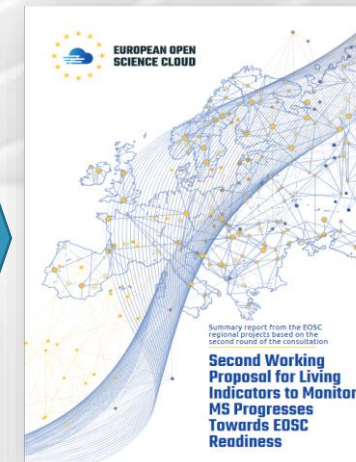
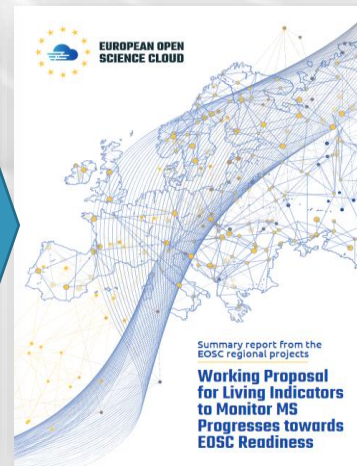
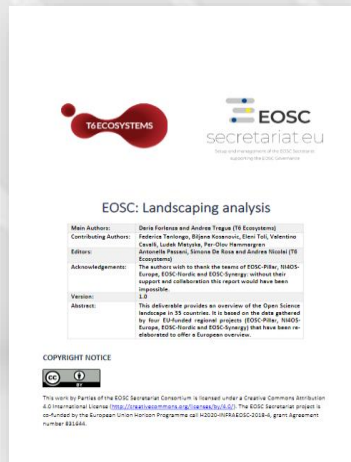
- ★ INFRAEOSC-05-2018-2019 call (Call5) projects, i.e., EOSC-Synergy, EOSC-Pillar, EOSC Nordic, NI4OS-Europe, ExPaNDS, FAIRsFAIR, and EOSCSecretariat.eu signed a Collaboration Agreement 'Support to the EOSC Governance'
  - ★ Cross Project Collaboration Board
  - ★ Joint activity plan
  - ★ Task forces
    - ★ 1. Landscaping
    - ★ 2. FAIR data and infrastructure
    - ★ 3. Service Onboarding
    - ★ 4. National Policies and Governance
    - ★ 5. Training and Skills
    - ★ 6. Communications and Events
  - ★ Strategy for synchronising activities with the EOSC governance



# INFRAEOSC-05 Landscaping TF

- ★ **Contributions:** EOSC-Pillar/GARR Chairmanship, WP3 survey methodology, workshops, living indicators concept
- ★ **Members:** Jos Van Wezel (KIT), Volker Beckmann (CNRS), Lisa Hönegger (UNIVIE), Yann Le Franc (CINES), Sara Di Giorgio (GARR)

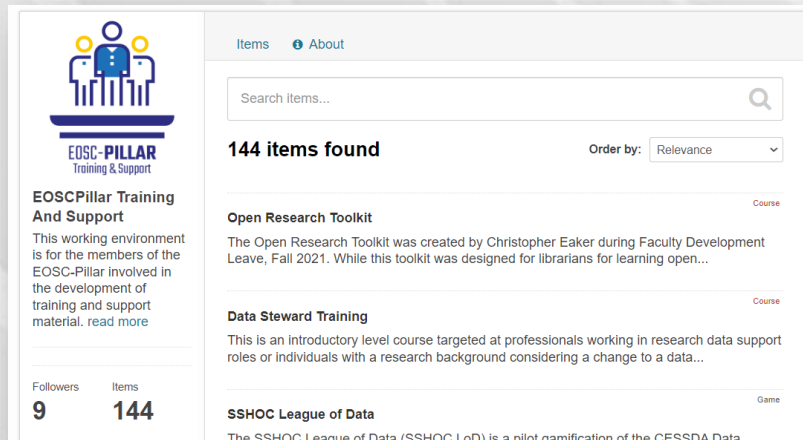
EOSC-Pillar  
Survey  
Methodology  
& Results



EOSC Living  
Indicators  
Proof of  
Concept

# FAIR data and infrastructure TF

- ★ **Contributions:** Federated FAIR Data Space, data repository compliant service, study on common metadata and ontologies, helpdesk service providing also training and documentation on FAIR tools and FAIR data, D4.1 Legal and Policy Framework and Federation Blueprint
- ★ **Members:** Federica Tanlongo (GARR), Jos Van Wezel (KIT), Sara Di Giorgio (GARR), Olivier Rouchon (CINES)



The screenshot shows the EOSC-Pillar Training & Support website. On the left, there is a sidebar with the EOSC-Pillar logo and a description of the training environment. The main content area displays a search bar, a dropdown menu for 'Order by' set to 'Relevance', and a list of 144 items found. The items are categorized into 'Course' and 'Game'.

**EOSC-Pillar Training & Support**

This working environment is for the members of the EOSC-Pillar involved in the development of training and support material. [read more](#)

Followers: 9 Items: 144

Items About

Search Items...

144 items found Order by: Relevance

**Open Research Toolkit** Course

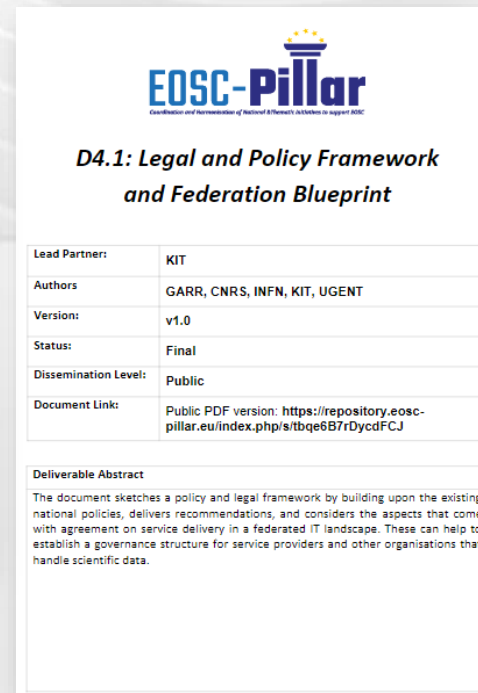
The Open Research Toolkit was created by Christopher Eaker during Faculty Development Leave, Fall 2021. While this toolkit was designed for librarians for learning open...

**Data Steward Training** Course

This is an introductory level course targeted at professionals working in research data support roles or individuals with a research background considering a change to a data...

**SSHOC League of Data** Game

The SSHOC League of Data (SSHOC LoD) is a pilot gamification of the CESSDA Data



The screenshot shows the title page of the document 'D4.1: Legal and Policy Framework and Federation Blueprint'. It includes the EOSC-Pillar logo and a table with metadata.

**EOSC-Pillar**  
Coordination and Normalisation of National Research Infrastructures to support EOSC

**D4.1: Legal and Policy Framework and Federation Blueprint**

Lead Partner:	KIT
Authors	GARR, CNRS, INFN, KIT, UGENT
Version:	v1.0
Status:	Final
Dissemination Level:	Public
Document Link:	Public PDF version: <a href="https://repository.eosc-pillar.eu/index.php/s/tbqe6B7rDycdFCJ">https://repository.eosc-pillar.eu/index.php/s/tbqe6B7rDycdFCJ</a>

**Deliverable Abstract**

The document sketches a policy and legal framework by building upon the existing national policies, delivers recommendations, and considers the aspects that come with agreement on service delivery in a federated IT landscape. These can help to establish a governance structure for service providers and other organisations that handle scientific data.



# Service Onboarding TF

★ **Contributions:** 2<sup>nd</sup> term  
Chairmanship (Luciano Gaido),  
input to requirements gathering,  
ensuring awareness on need to  
interoperate with EOSC Catalogue,  
triggering discussion on guidelines  
for onboarding of national  
catalogue operators, workshop

★ **Members:** Federica Tanlongo  
(GARR), Leonardo Candela (CNR),  
Luciano Gaido (INFN), Fulvio  
Galeazzi (GARR)



## Incorporating National and Thematic Service and Resource Catalogues into the EOSC

5 July 2021  
Online Workshop

**WATCH NOW!**

In collaboration with:



# National Policies and Governance

★ **Contributions:** Chairmanship, policy harmonization across regional projects, D4.1 'Legal and policy framework and federation blueprint'

★ **Members:** Federica Tanlongo (GARR), Fulvio Galeazzi (GARR), Sara Di Giorgio (GARR), Volker Beckmann (CNRS), Jos Van Wezel (KIT), Nadina Foggetti (INFN), Netsanet Haile Gebreyesus



## *D4.1: Legal and Policy Framework and Federation Blueprint*

Lead Partner:	KIT
Authors	GARR, CNRS, INFN, KIT, UGENT
Version:	v1.0
Status:	Final
Dissemination Level:	Public
Document Link:	Public PDF version: <a href="https://repository.eosc-pillar.eu/index.php/s/tbqe6B7rDycdFCJ">https://repository.eosc-pillar.eu/index.php/s/tbqe6B7rDycdFCJ</a>

### **Deliverable Abstract**

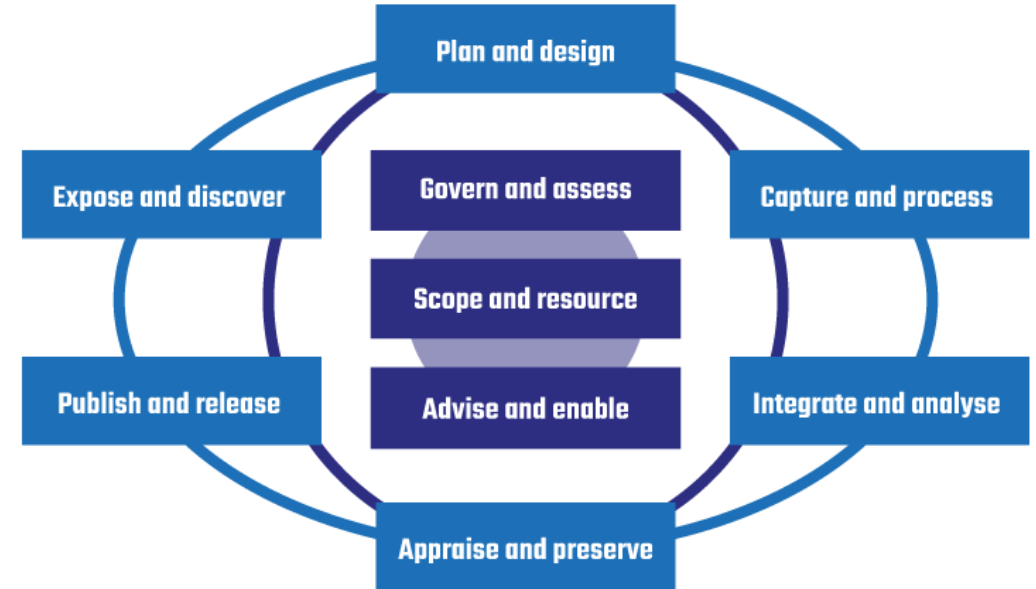
The document sketches a policy and legal framework by building upon the existing national policies, delivers recommendations, and considers the aspects that come with agreement on service delivery in a federated IT landscape. These can help to establish a governance structure for service providers and other organisations that handle scientific data.



# Training and Skills TF

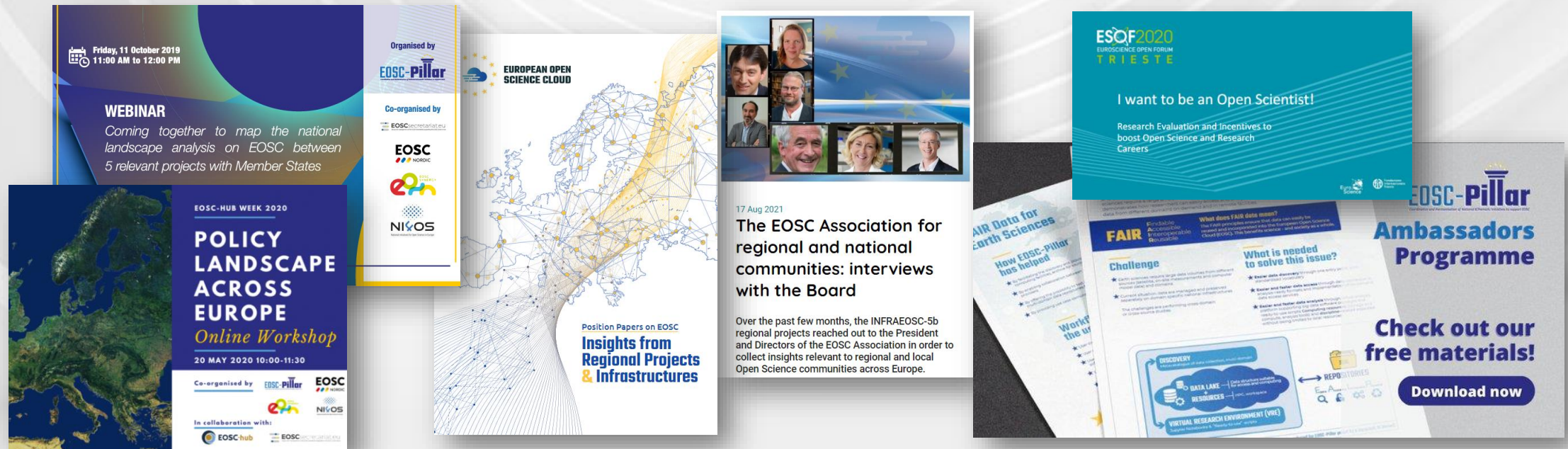
★ **Contributions:** Chairmanship, EOSC-Pillar training and skills approaches and methodology, pilot courses on Open Science practices

★ **Members:** Emma Lazzeri (CNR),  
Inge Van Nieuwerburgh (Ugent)



# Communication and Events TF

- ★ **Contributions:** Chairmanship, development of joint video, organization of joint conference sessions, webinars, and workshops, EOSC-Pillar Ambassadors Programme,
- ★ **Members:** Rob Carrillo (Trust-IT), Elis Bertazzon (GARR), Federico Drago (Trust-IT)



# Supporting the Consolidation of National Initiatives

- ★ T2.2 with T4.3 Consolidation of National Initiatives supported national initiatives which have become more relevant now with EOSC-A providing a special role to Mandated Organisations which represent countries in EOSC.

# EOSC-Pillar Support for National Initiatives - Austria

**Key supporting partner:** UNIVIE | **Country Liaison:** Lisa Hönegger

## **Activities and Contributions:**

- ★ **NI Establishment:** Support for the establishment of the EOSC Support Office Austria under ACONET (the Austrian Mandated Organisation) particularly in the development of the Memorandum of Understanding as the basis of their cooperation
- ★ **Effort:** Contributions to the EOSC Support Office Austria – Working Groups through UNIVIE
- ★ **Knowledge:** National Initiatives Survey helped identify partners and stakeholders & provided e-infrastructure, policy and funding insights
- ★ **Engagement:** Contributions to the stakeholder engagement activities & the EOSC Pillar Ambassador's Programme
- ★ **Direction:** UNIVIE identified EOSC, Open Science and FAIR data as high priority areas. Thus, working groups for EOSC, data stewardship and the implementation of a research data management policy have been established



# EOSC-Pillar Support for National Initiatives - Belgium

**Key Supporting Partner:** UGent | **Country Liaison:** Inge Van Nieuwerburgh

## **Activities:**

- ★ Monitoring developments / foster a network of key players on a federal and regional level / encouraging participation in EOSC-supporting activities.
  - ★ Belnet is the mandated organization of Belgium but aligns with regional and national players and bodies
    - ★ National level coordination: Open Science working group of CIS-CFS
    - ★ Flanders: Flemish Open Science Board FOSB
    - ★ Wallonie-Bruxelles: Open Science working group
- ★ Participation of Belgian organisations in EOSC activities is tracked i.e. EOSC-related projects, membership in the EOSC Association
  - National level coordination: Open Science working group of CIS-CFS

# EOSC-Pillar Support for National Initiatives - Italy

**Key Supporting Partner:** GARR, INFN, CNR | **Country Liaison:** Vacant (previously Laura Perini)

## **Activities and Contributions:**

- ★ EOSC-Pillar Italian partners (GARR, INFN, CNR etc.) made up the first collaborators that made up the ICDI
- ★ Monitoring of participation of Italian organizations in the EOSC-A
- ★ Co-organization of ICDI & EOSC-Pillar FAIR, open science and training webinars

# Other EOSC-Pillar Support for National Initiatives – France, Germany

## **FRANCE**

- ★ Supporting Partner: CNRS, INRIA
- ★ Country Liaison: Vincent Breton (CNRS)

## **GERMANY**

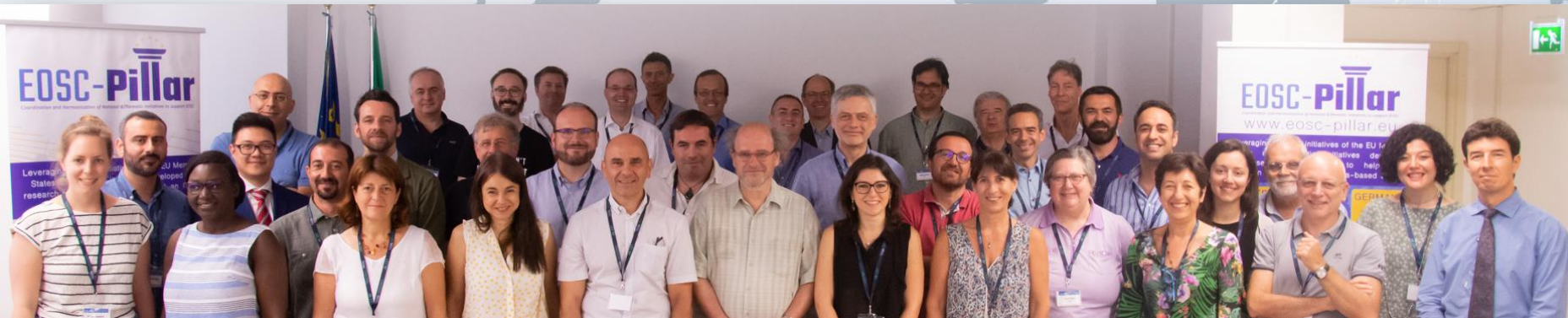
- ★ Supporting Partner: KIT
- ★ Country Liaison: Jos van Wezel

**Activities:** Monitoring developments (i.e. French National Plan for Open Science) and encouraging participation in EOSC-supporting activities. Promotion of national events.

# Conclusions

- ★ **EOSC Governance (EB, EOSC-A, Steering Board)**: EOSC-Pillar had strategically contributed to EOSC Executive Board WG work. In EOSC-A, project members played a key role in the set-up of the current governance and contributions seen from the highest levels up to the expert group level.
- ★ **INFRAEOSC-05 Projects**: Through the Cross Project Collaboration Board and its INFRAEOSC05 Task Forces, EOSC-Pillar contributed to the harmonization of efforts across regional and relevant EOSC projects. It even played a coordination role in many and was a catalyst for joint activities & harmonized actions. Collaborative work continues to this day.
- ★ **National Initiatives**: Different approaches needed to be understood to see where EOSC-Pillar can support. Where support was needed, we provided. For the rest, we monitored and kept up to date
- ★ Keys to ensuring concertation with Governance, EOSC projects & National Initiatives
  - ★ Understanding the landscape
  - ★ Formal & informal networks
  - ★ Relevant input
- ★ For a more detailed overview, please check out:
  - ★ EOSC-Pillar D2.4: Second report on the status of the relationship with the EOSC Governance and the EOSC-related initiatives: <https://zenodo.org/record/5557302>





# Thank you!

- ★ **Especially to Laura Perini, T2.2 & T4.3 colleagues & D2.3, D2.4 authors:**  
 Laura Perini (INFN), Lisa Honegger (UNIVIE), Sara Di Giorgio (GARR), Luciano Gaido (INFN), Federica Tanlongo (GARR), Tomasso Boccali (INFN), Federico Ruggieri (GARR), Vincent Breton (CNRS), Jos van Wezel (KIT), Stefano Cozzini (Area Science Park), Emma Lazzeri (GARR), Inge van Nieuwerburgh (Ugent), Fulvio Galeazzi (GARR), Francesca DePascalis (CNR), Pasquale Pagano (CNR), Paolo Budroni (UNIVIE), Federico Drago (Trust-IT), Anna Benzo (Trust-IT), Anita Bodlos (UNIVIE), Emilie Hermans (Ugent), Lisana Berberi (KIT), Elis Bertazzon (GARR), Maria Giuffrida (Trust-IT)



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*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

# Developing the EOSC-Pillar RDM Training and Support Catalogue

Paula Oset<sup>1</sup>, Lisana Berberi<sup>2</sup>, Leonardo Candela<sup>3</sup>, Inge Van Nieuwerburgh<sup>1</sup>, Emma Lazzeri<sup>4</sup>,  
Marie Czuray<sup>5</sup>

<sup>1</sup>Ghent University, <sup>2</sup>KIT, <sup>3</sup>CNR-ISTI, <sup>4</sup>Consortium GARR, <sup>5</sup>UWien

**EOSC-Pillar Final Conference -**



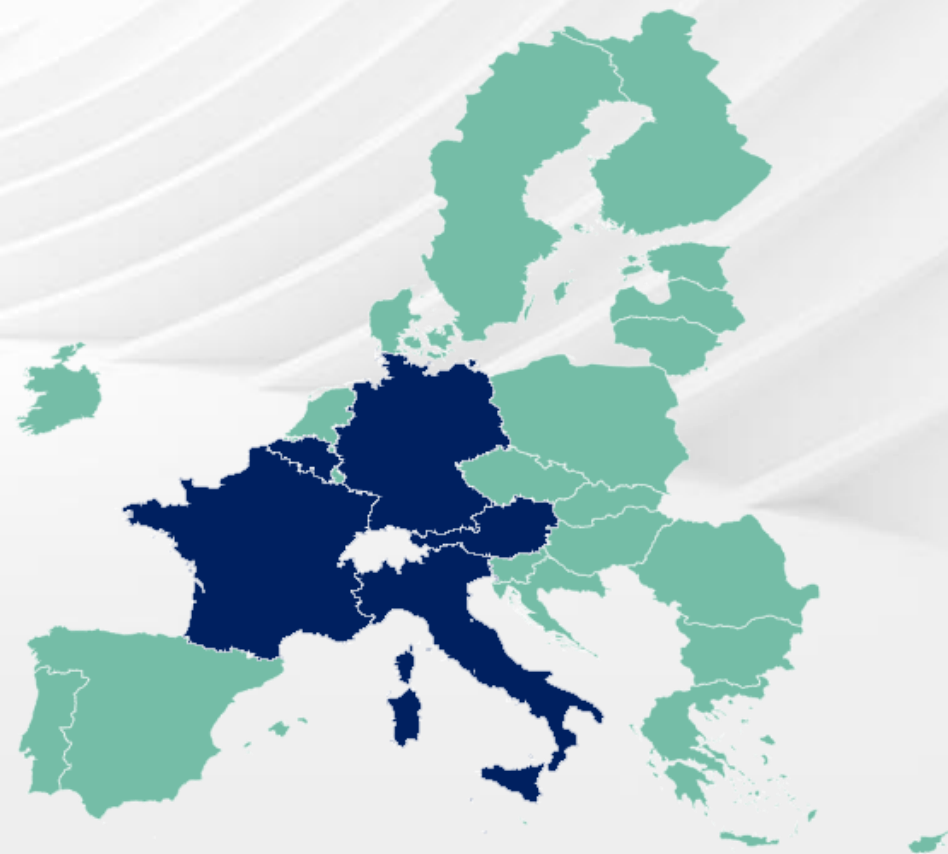
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## Project objectives

- ★ Coordinate national open science efforts: an organized contribution to the European Open Science Cloud (EOSC)
- Challenges addressed:
  - Narrowing skills gaps & promoting cultural changes for EOSC realization
  - Towards FAIR data culture and the uptake of good practices in making data FAIR
  - Tasks about training and skills development



# Context & scope of the catalogue (I)

- ★ Data stewards: an emerging profession
- ★ Numerous projects with uptake of FAIR principles as objective
- ★ Increasing availability of training & support material but scattered
- ★ **EOSC-Pillar RDM Training and Support catalogue**: collection of online searchable resources for (FAIR) data stewardship and RDM
- ★ Catalogue added value:
  - ★ Curation & standardized description of material
  - ★ Increased findability & visibility
  - ★ Central point of access



# Context & scope of the catalogue (II)

- ★ Target group: data stewards / data librarian (new & established teams)
  - ★ Other actors with active role in RDM (inc. researchers)
- ★ Types of resources:
  - ★ Learning / training resources
  - ★ Support resources

## Generalist Repository Comparison Chart

doi:10.5281/zenodo.3946720

This chart is designed to assist researchers in finding a generalist repository should no domain repository be available to preserve their research data. Generalist repositories accept data regardless of data type, format, content, or disciplinary focus. For this chart, we included a repository available to researchers specific to clinical trials (Vivli) to bring awareness to those in this field.

<https://fairsharing.org/collection/GeneralRepositoryComparison>

TOPIC	HARVARD DATaverse	DRYAD	FIGSHARE	MENDELEY DATA	OSF	VIVLI	ZENODO
Brief Description	Harvard Dataverse is a free data repository open to all researchers from any discipline, both inside and outside of the Harvard community, where you can share, archive, cite, access, and explore research data.	Open-source, community-led data curation, publishing, and preservation platform for CC0 publicly available research data. Dryad is an independent non-profit that works directly with: <ul style="list-style-type: none"><li>researchers to publish datasets utilizing best practices for discovery and reuse</li><li>publishers to support the integration of data availability statements and data citations into their workflows</li><li>institutions to enable scalable campus support for research data management best practices at low cost</li></ul>	A free, open access, data repository where users can make all outputs of their research available in a discoverable, reusable, and citable manner. Users can upload files of any type and are able to share diverse research products including datasets, code, multimedia files, workflows, posters, presentations, and more. With discoverable metadata supporting FAIR principles, file visualizations, and integrations, researchers can make their work more impactful and move research further faster.	Mendeley Data is a free repository specialized for research data. Search more than 20+ million datasets indexed from 1000s of data repositories and collect and share datasets with the research community following the FAIR data principles.	OSF is a free and open source project management tool that supports researchers throughout their entire project lifecycle in open science best practices.	Vivli is an independent, non-profit organization that has developed a global data-sharing and analytics platform. Our focus is on sharing individual participant-level data from completed clinical trials to serve the international research community.	Powering Open Science built on Open Science built by researchers. Run fit the CERN data center whose purpose is to preserve the data of the High Energy Physics discipline, of the largest scientific datasets in the world.
Size limits	No byte size limit per dataset. Harvard Dataverse currently sets a file size limit of 2.5GB.	300GB/dataset	Soft limit of 20GB/file for free accounts. System limit of 500GB/file. Unlimited storage of public data but 20GB storage for private data for free accounts. Email <a href="mailto:info@figshare.com">info@figshare.com</a> to have upload and storage limits raised.	10GB per dataset	Projects currently have not storage limit. There is a 5GB/file upload limit for native OSF Storage. There is no limit imposed by OSF for the amount of storage used across add-ons connected to a given project.	If more than 10GB per study data, reach out to us	50GB per dataset, contact us via <a href="mailto:help@zenodo.org">help@zenodo.org</a> for higher limits
Storage space per researcher	1TB per researcher	No limit	No limit	No limit	No limit	No limit	No limit



Knowledge clip: FAIR data principles

## FAIR self assessment tool

Total across F.A.I.R

### Findable

Does the dataset have any identifiers assigned?

Globally Unique, citable and persistent (e.g. DOI) ▼

Is the dataset identifier included in all metadata records/files describing the data?

No ▼

How is the data described with metadata?


The data is not described ▼

What type of repository or registry is the metadata record in?

The data is not described in any repository ▼

### Accessible

ARDC FAIR self assessment tool



**EOSC-PILLAR**  
Training & Support

**EOSCPillar Training And Support**

This working environment is for the members of the EOSC-Pillar involved in the development of training and support material. [read more](#)

---

Followers **9** Items **144**

[+ Follow](#)

**Organisations**

EOSCPillar Training And Support (144)

---

**Types**

Guidelines (22)

Items Activity Stream About

Search items...

**144 items found** Order by: Relevance

---

**OWNER** Open Research Toolkit Course

The Open Research Toolkit was created by Christopher Eaker during Faculty Development Leave, Fall 2021. While this toolkit was designed for librarians for learning open...

---

**OWNER** Data Steward Training Course

This is an introductory level course targeted at professionals working in research data support roles or individuals with a research background considering a change to a data...

---

**OWNER** SSHOC League of Data Game

The SSHOC League of Data (SSHOC LoD) is a pilot gamification of the CESSDA Data Management Expert Guide® (DMEG). The game supports and motivates researchers to publish their...

---

**OWNER** EOSC-Pillar Legal Compliance Guidelines for Researchers: a Checklist Checklist

This document provides a guideline in the form of checklists to help researchers comply with the legal requirements of publishing, sharing and integrating research data. In...

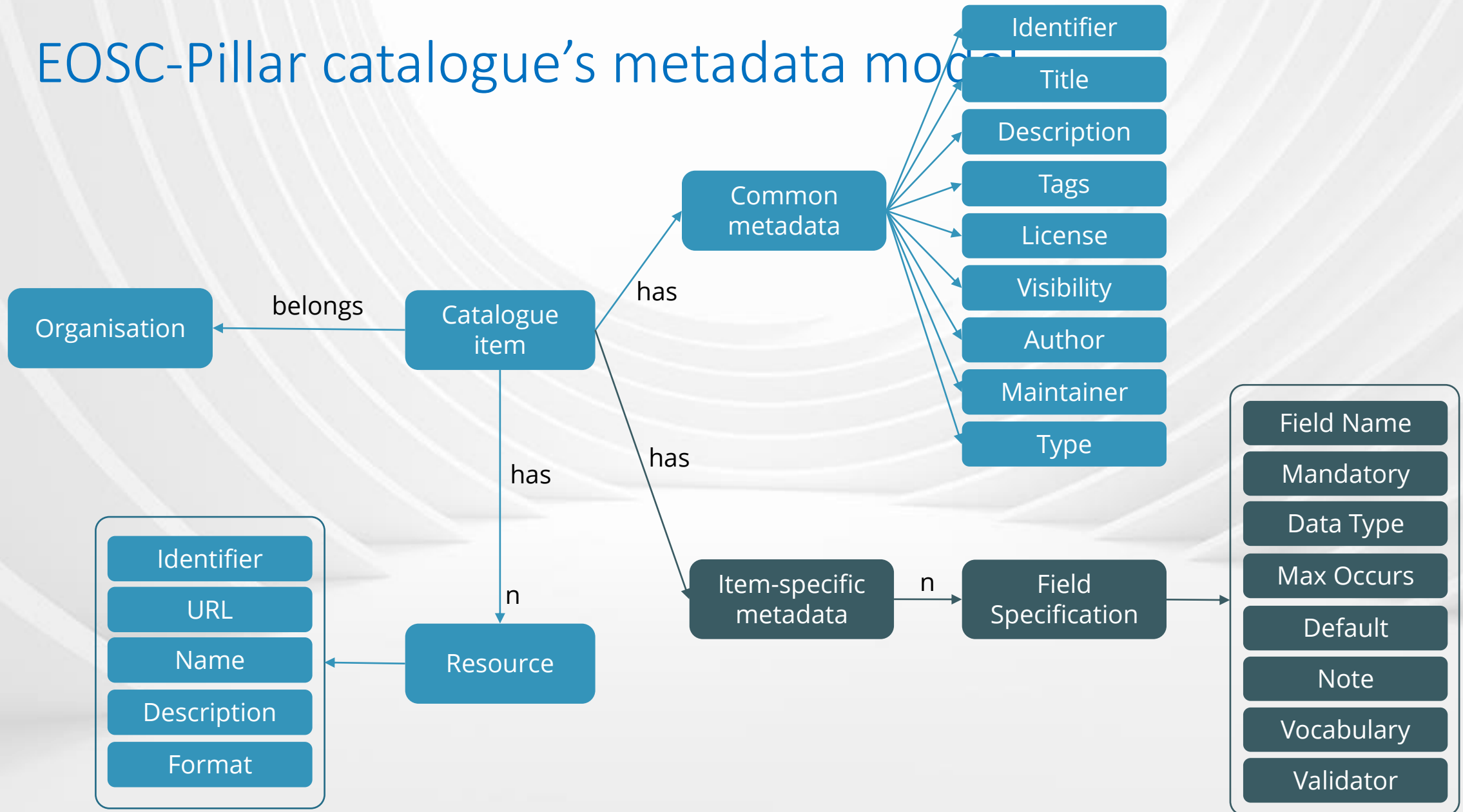
---

Guidelines

# Technical specifications

- ★ Operated by D4Science infrastructure, which relies on gCube.
  - ★ Dedicated VRE deployed
- ★ Catalogue service:
  - ★ Powered by CKAN + gCube component (e.g. publishing widget).
  - ★ Allows definition of custom metadata profiles (community needs).
- ★ Features enabling OS and FAIRness
  - ★ PURLs (citation and access)
  - ★ Social networking area
  - ★ Rich and open metadata
  - ★ Interoperability with other systems (e.g. DCAT)
  - ★ RESTful APIs

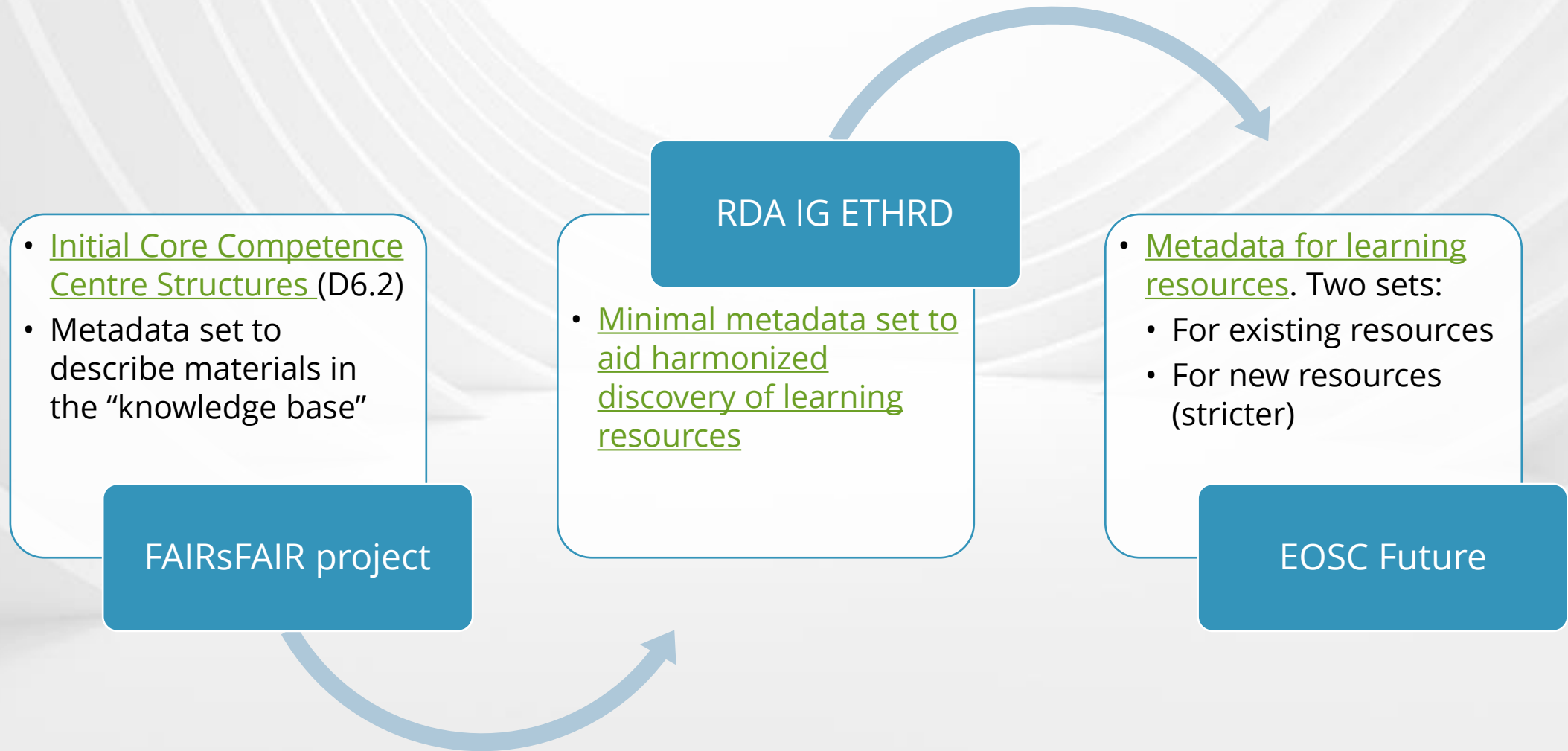
# EOSC-Pillar catalogue's metadata model





# Metadata profile

Which metadata elements define a learning resource?



# Mapping to EOSC Future specifications

EOSC-Pillar		EOSC Future Minimal Metadata for Learning Resources	
		Existing resources	New resources
Title	Title	Mandatory	Mandatory
Description	Description	Recommended	Recommended
URL	URL to Resource	Mandatory	Mandatory
NP	<b>Resource URL Type</b>	Optional	Optional
Author	Author(s)	Mandatory	Mandatory
Data Type	Learning Resource Type	Optional	Recommended
Tags	Keyword(s)	Recommended	Recommended
License	License	Recommended	Recommended
NP	<b>Access Rights</b>	Recommended	Mandatory
NP	<b>Version Date</b>	Recommended	Mandatory
Level	Expertise Level	Recommended	Mandatory
Target group	Target Group (Audience)	Recommended	Mandatory
Language	Primary Language	Recommended	Mandatory
NP	<b>Learning Outcome(s)</b>	Recommended	Mandatory
NP	<b>Qualification</b>	Recommended	Recommended
NP	<b>Duration</b>	Recommended	Recommended
Domain	Scientific domain		

Summary of the mapping between EOSC-Pillar RDM Training and Support catalogue and EOSC Future metadata for learning resources. (NP = Not present)

# Mapping to EOSC Future specifications

Home / Organisations / EOSCPillar Training And Support / Open Science - Sharing Your Research with the World

Open Science - Sharing Your Research with the World

Followers

0

+ Follow

Rating

☆☆☆☆☆ (0)

Your rating

☆☆☆☆☆

no rating given

Organisation



**EOSCPillar Training And Support**

This working environment is for the members of the EOSC-Pillar involved in the development of

Item Groups Activity Stream

Manage

## Open Science - Sharing Your Research with the World

This course, prepared by TU Delft and available on the EdX platform, introduces the objectives, main concepts, and benefits of Open Science principles along with practices for open data management and open data sharing. The course also introduces the FAIR principles. Users will learn to establish links between publications, data, software and methods, how to attach a persistent identifier and metadata to your results, and methods for clarifying usage rights.

Tags

Accessible Appraise and preserve Capture and process Data Scientist Data librarian or institutional level data steward Data steward Expose and discover Findable Generic Govern and assess Integrate and analyze Interoperable Level Intermediate Licenses Open access Open data Open science Plan and design Publish and release Research manager Researcher Reusable User support training and outreach VREs

Data and Resources



Open Science: Sharing Your Research with the World

Item URL

[https://data.d4science.org/ctlg/EOSCPillarTrainingAndSupport/open\\_science\\_-\\_sharing\\_your\\_research\\_with\\_the\\_world](https://data.d4science.org/ctlg/EOSCPillarTrainingAndSupport/open_science_-_sharing_your_research_with_the_world)

## Availability Information

Description: Availability Information

Field	Value
Country	Italy - ITA
Country	Portugal - PRT
Country	Spain - ESP
Country	Romania - ROU
Language	eng, English

## Learning Information

Description: Attributes characterising the Learning resource.

Field	Value
Competence	Not Available
Duration	6 weeks, 3-4 hours per week
Learning Outcome(s)	Describe concepts and objectives of open science; Analyze and discuss benefits and barriers of particular open science cases, including cases from within your own region or discipline; Set up an open data sharing strategy to increase your research visibility; Determine appropriate route to take when

Additional Info

Field	Value
Access Rights	open
Creator	TU Delft
Version Date(s)	2022-07-13
system:type	Course

open access article;  
you can choose and learn more  
these topics: Increase your  
ility; Set up a research  
ng strategy and make it  
stand how research can  
tizen science

# Challenges

- ★ OS FAIR 2021: RDM Training & Support catalogue landscape ([event page](#), [report](#))
- ★ Common challenges:
  - ★ Metadata model
  - ★ Controlled vocabularies
  - ★ Sustainability
  - ★ Quality assurance / curation process



# Quality assurance

- ★ OpenAire CoP TF on Quality assurance of learning resources
- ★ Draft document
- ★ Framework to define QA criteria within your tool/project.

## CREATION OF LEARNING RESOURCES

QA criteria and procedures focus on the quality of the learning resources that are being produced



A content creator persona

## SELECTION OF LEARNING RESOURCES

(select/accept learning resources in a training platform or a catalogue of learning resources)

QA criteria and procedures focus on the quality of the materials to be included, but the main goal is to ensure the quality of the platform/catalogue.



A content selector persona

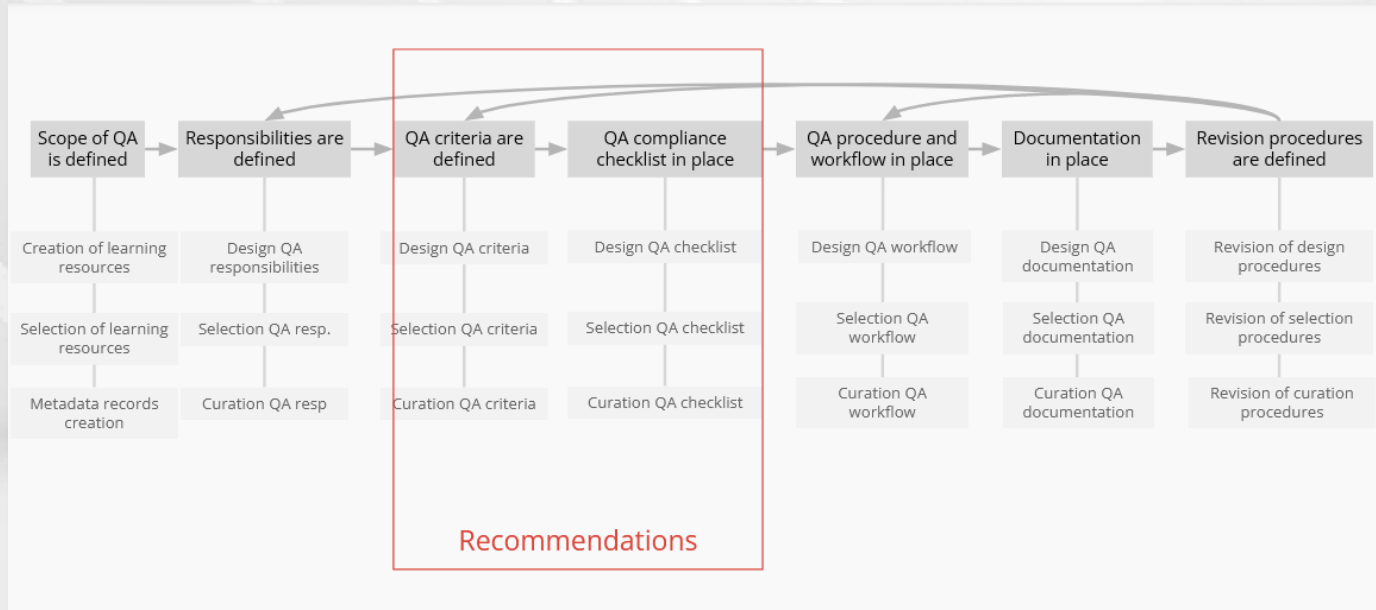
## METADATA RECORDS CREATION

(e.g. during the curation of records in a training platform/catalogue)

QA criteria and procedures focus on the quality of the records in the platform/catalogue (metadata, etc.), where the main goal is to ensure the quality of the platform/catalogue.

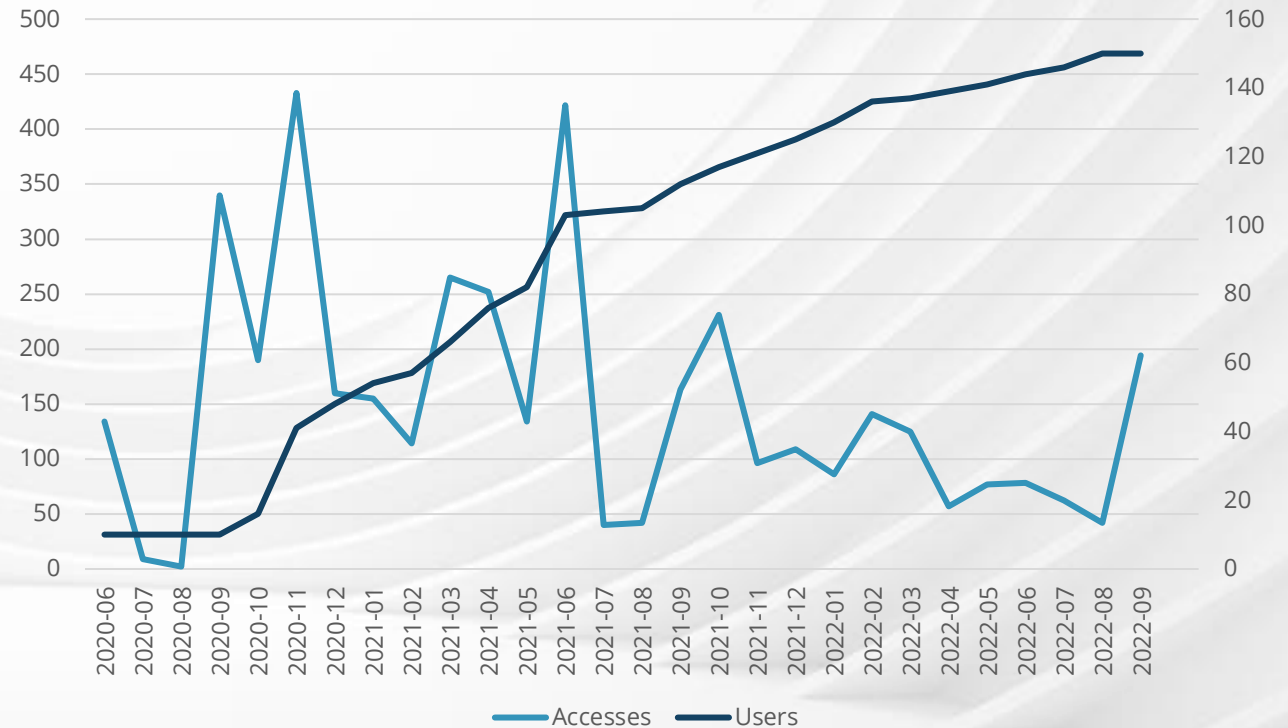


A metadata creator for the content persona



# Outreach & community

- ★ 150 members
- ★ >140 average monthly accesses
- ★ Outreach events (webinar, training courses, etc.)
  - ★ Promote catalogue
  - ★ Gather feedback



# What's next?

- Finalize metadata mapping & update exercise
- Continue populating the catalogue with more training and support resources.
- Finalize & publish QA criteria with OpenAIRE CoP
  - ★ Develop EOSC-Pillar QA checklist
- Deliverable due in December 2022





# EOOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

# Thank you!

Paula Oset Garcia - Ghent University, EOOSC-Pillar

## Get in touch with us!



[www.eosc-pillar.eu](http://www.eosc-pillar.eu)



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# EOOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

## Guided Panel Discussion Engaging the community

**Federico Drago**  
Trust-IT Services

Task 2.1 Lead - Communication, Dissemination and Outreach Strategy



EOOSC-Pillar has received funding from the European Union's Horizon 2020 research and innovation Programme under Grant Agreement No. 857650.

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# SPECTRUM SESSION



**Strongly  
Agree**



**Agree**



**Disagree**



**Strongly  
Disagree**



## Statement 1

- ★EOSC Association members should take the lead in promoting Open Science culture in their home countries and regions



PACT



## Statement 2

- ★ Researchers don't really need to know about EOSC, as long as it works





## Statement 3

- ★ The EOSC Association should take the lead on engagement activities at the EU level



## Statement 4

- ★ Official EOSC materials are needed to engage with the community in a standardised way



## Statement 5

- ★ Universities and research infrastructures must have a dedicated EOSC interface



PACT



## Statement 5

- ★ Universities and research infrastructures must have a dedicated EOSC interface



PACT



## Statement 6

- ★ Member States should organise at least one official Open Science event per year



PACT

## Statement 7

- ★ Incentives and rewards are needed to attract more scientific communities to the Open Science and FAIR agenda promoted by the EOSC



PACT

## Statement 8

- ★ Researchers must acquire the necessary expertise to manage research data in accordance with FAIR principles and legal requirements. This must be an individual effort and cannot be "outsourced" to services.



IMPACT

# EOSC-Pillar

*Coordination and Harmonisation of National & Thematic Initiatives to support EOSC*

## Thank you!

★ Federico Drago – Trust-IT  
Services

## Get in touch with us!



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