



EOSC-Pillar

Coordination and Harmonisation of National & Thematic Initiatives to support EOSC

Building our Relationship with the EOSC Governance and Related Initiatives

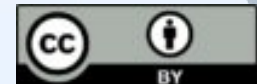
Rob Carrillo
Trust-IT

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



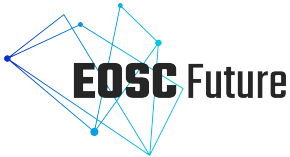
RELEVANT INITIATIVES

Other INFRAEOSC-5 Projects

E x P a N D S



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

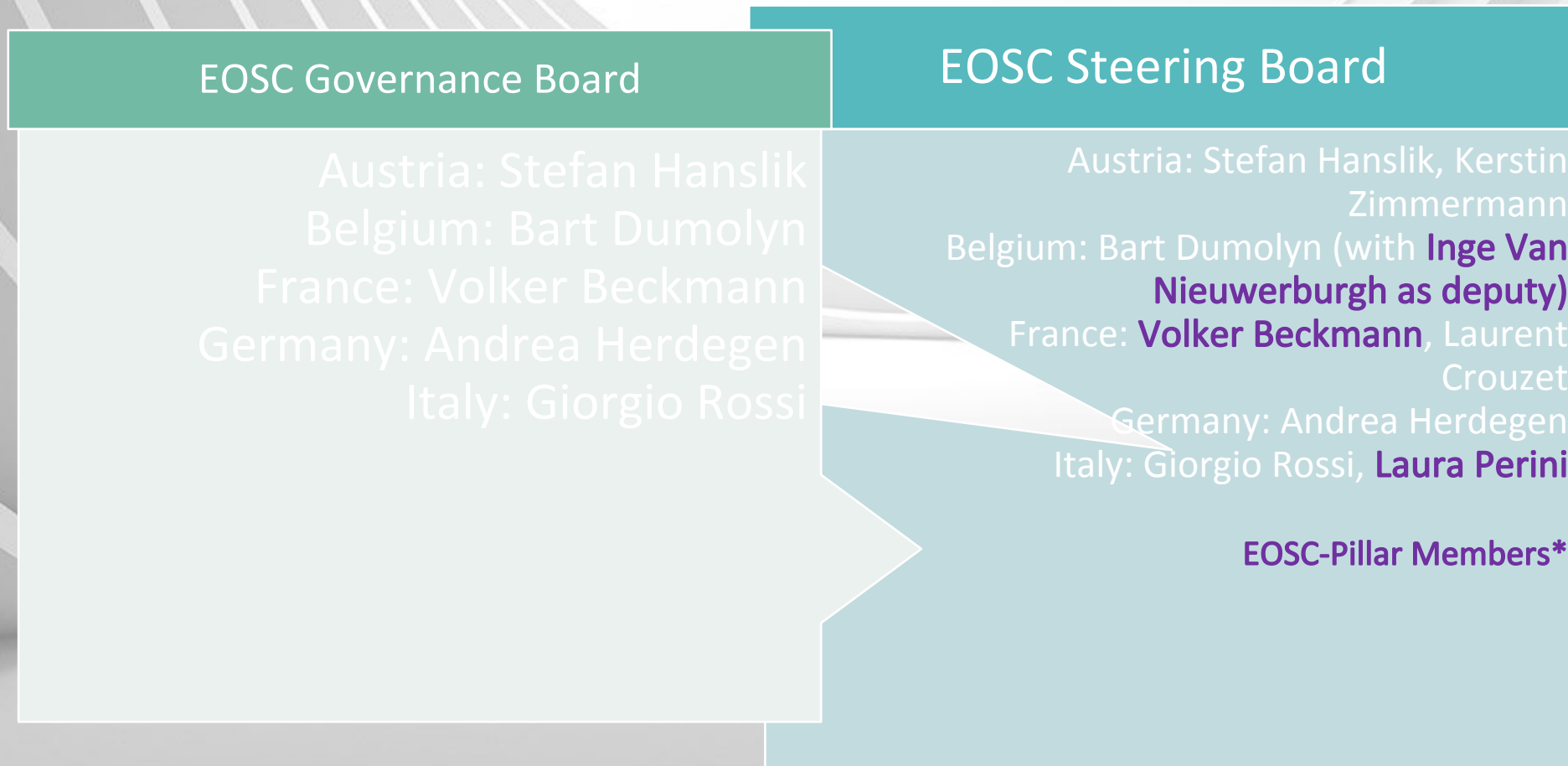
Board of Directors:

- 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



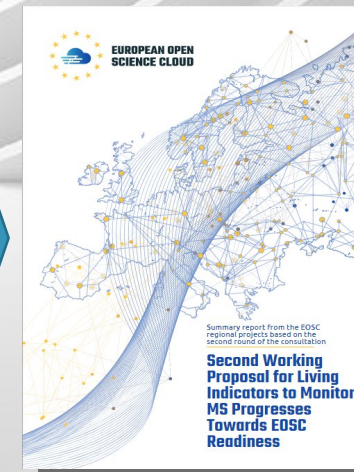
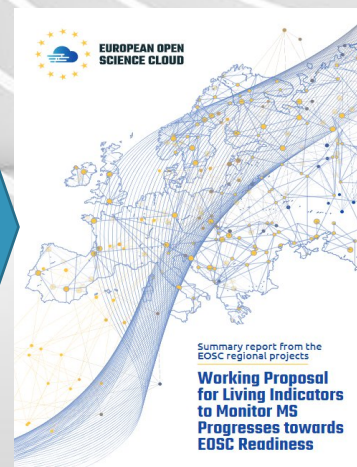
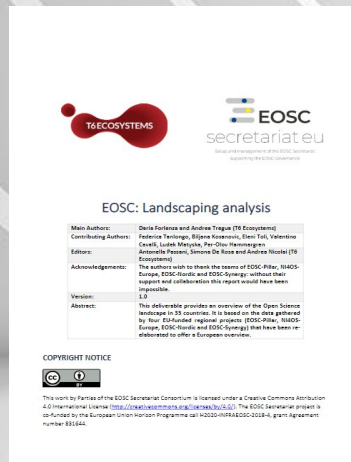
INFRAEOSC-05 Collaboration: MoU resulting in a Cross Project Collaboration Board & Task Forces

- 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)

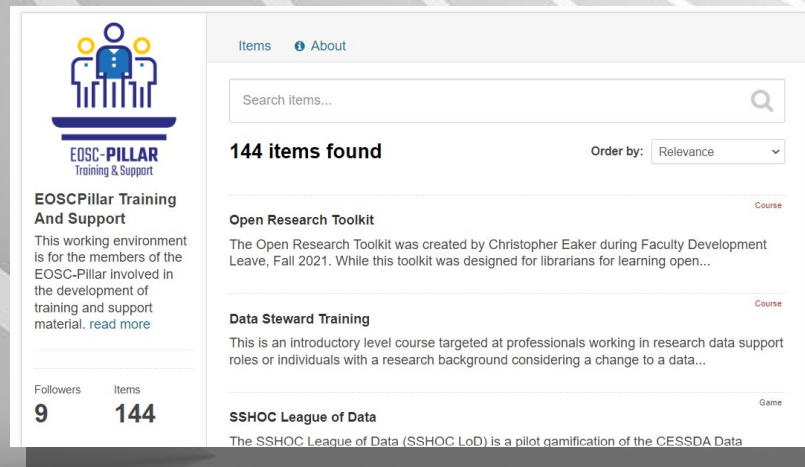
EOSC-Pillar
Survey
Methodology
& Results




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 features a search bar, a list of items (144 items found), and a dropdown menu for ordering by relevance. Below the search results, there are links to 'Open Research Toolkit', 'Data Steward Training', and 'SSHOC League of Data'.



The screenshot shows the cover page of the document 'D4.1: Legal and Policy Framework and Federation Blueprint'. The page features the EOSC-Pillar logo at the top, followed by the title. Below the title, there is a table with metadata including Lead Partner, Authors, Version, Status, Dissemination Level, and Document Link. At the bottom, there is a section for the Deliverable Abstract.

Lead Partner:	KIT
Authors	GARR, CNRS, INFN, KIT, UGENT
Version:	v1.0
Status:	Final
Dissemination Level:	Public
Document Link:	Public PDF version: https://repository.eosc-pillar.eu/index.php/s/tbqe6B7rDydcFCJ

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.



The banner features the text 'Federated FAIR Data Space F2DS' in white on a dark blue background with a network of glowing nodes and lines. The EOSC-Pillar logo is visible in the bottom right corner.

Service Onboarding TF

- **Contributions:** 2nd 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)



The banner features the EOSC-Pillar logo at the top left, with the tagline 'Coordination and Harmonization of National & Thematic Initiatives to support EOSC'. The main title 'Incorporating National and Thematic Service and Resource Catalogues into the EOSC' is prominently displayed in the center. Below the title, the date '5 July 2021' and 'Online Workshop' are listed. A blue button with the text 'WATCH NOW!' is positioned at the bottom left. On the right side, a vertical strip lists collaborative partners: 'In collaboration with:' followed by logos for EOSC ENHANCE, EOSC Future, EOSC NORDIC, NIXOS Europe, and EOSC SYNERGY. At the bottom right, there is a satellite image of Europe with a grid overlay.

EOSC-Pillar
Coordination and Harmonization of National & Thematic Initiatives to support EOSC

Incorporating National and Thematic Service and Resource Catalogues into the EOSC

5 July 2021
Online Workshop

WATCH NOW!

In collaboration with:

- EOSC ENHANCE
- EOSC Future
- EOSC NORDIC
- NIXOS Europe
- EOSC SYNERGY

National Policies and Governance

- **Contributions:** Chairmanship, policy harmonization across regional projects, D4.1 'Legal an 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

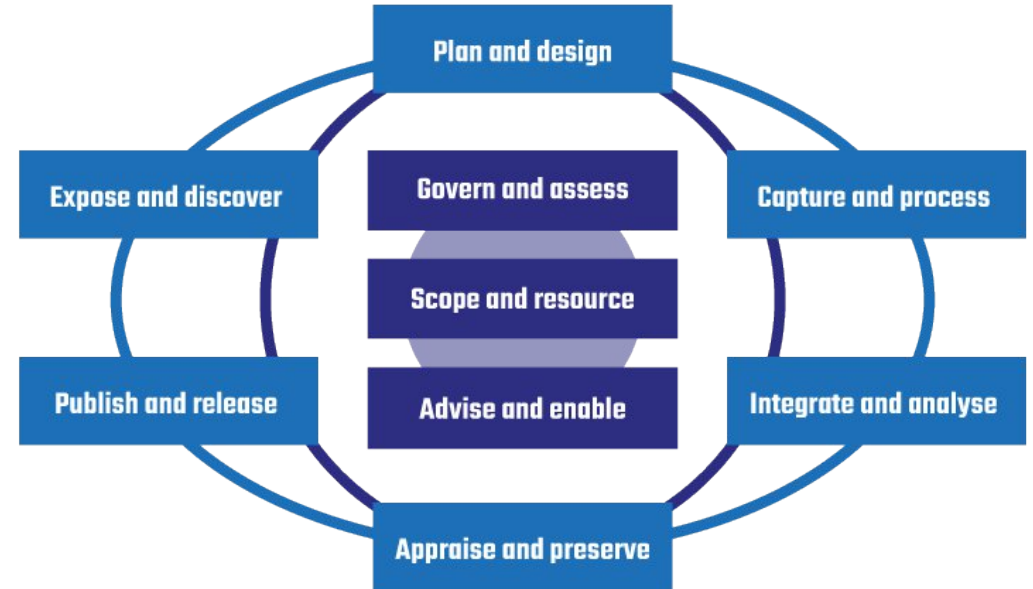
Lead Partner:	KIT
Authors	GARR, CNRS, INFN, KIT, UGENT
Version:	v1.0
Status:	Final
Dissemination Level:	Public
Document Link:	Public PDF version: https://repository.eosc-pillar.eu/index.php/s/tbqe6B7rDycdFCJ

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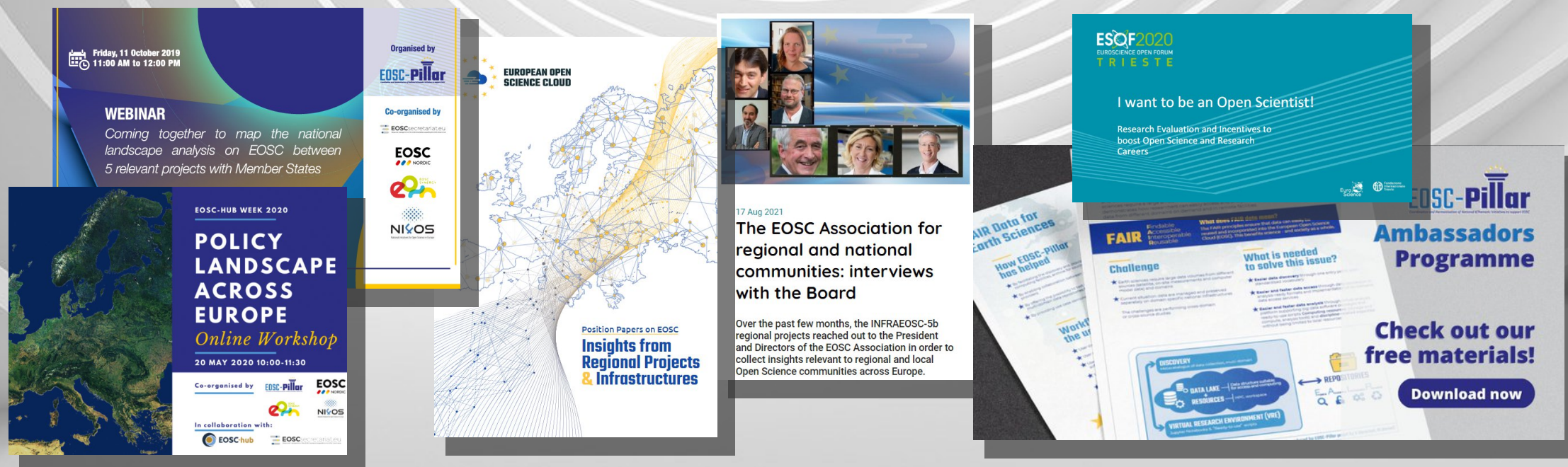
Training and Skills TF

- **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)



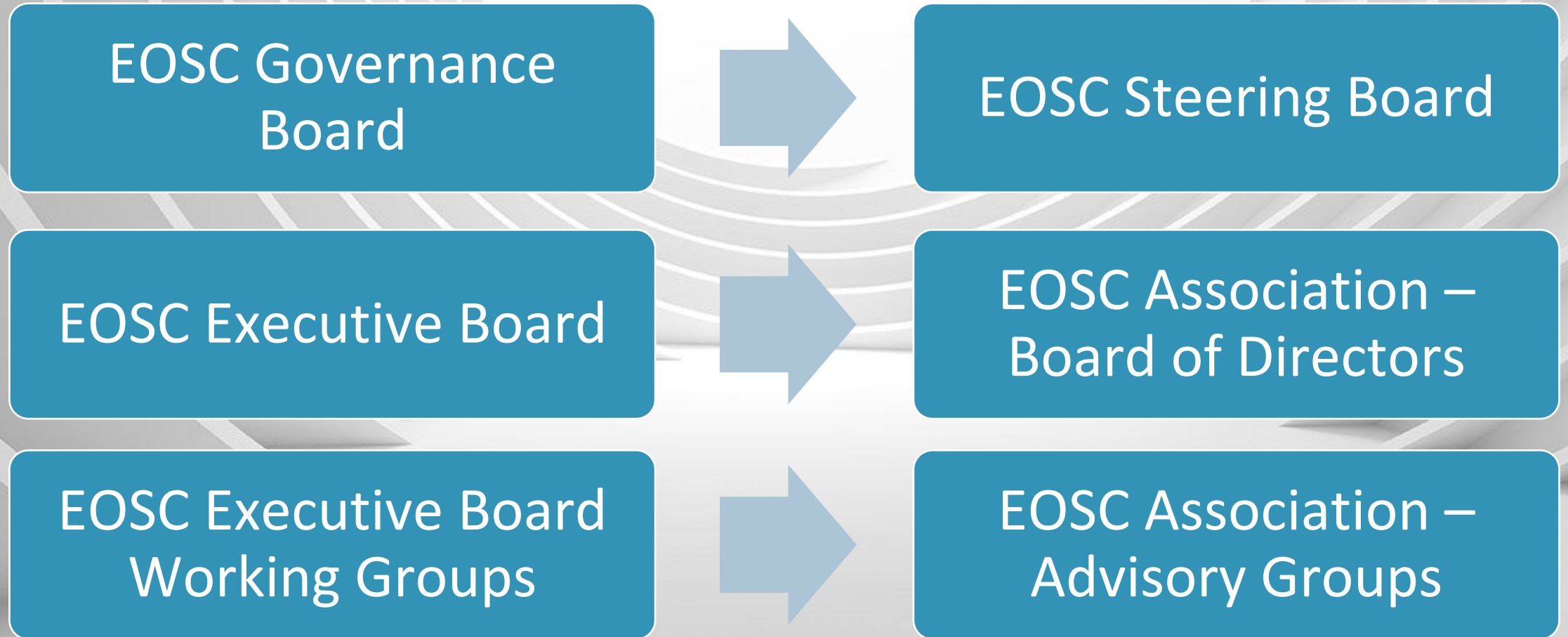
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Post EOSCsecretariat.eu Support

- The operation of the task forces were supported by the EOSCSecretariat.eu through facilitators or rapporteurs.
- Even with conclusion of the EOSCSecretariat.eu, the TFs, at the very least, remained as an important informal network for projects to collaborate.
- Throughout 2022 up to today, projects continue to conduct joint activities that were started from the INFRAEOSC05 Task forces i.e.
 - May 2022 Policies Workshop Strasbourg – Policies TF, Communications TF
 - Nov 2022 EOSC Symposium – Joint Regional Projects Exhibition Booth & Session – Communications TF

The evolving landscape – EOSC Governance



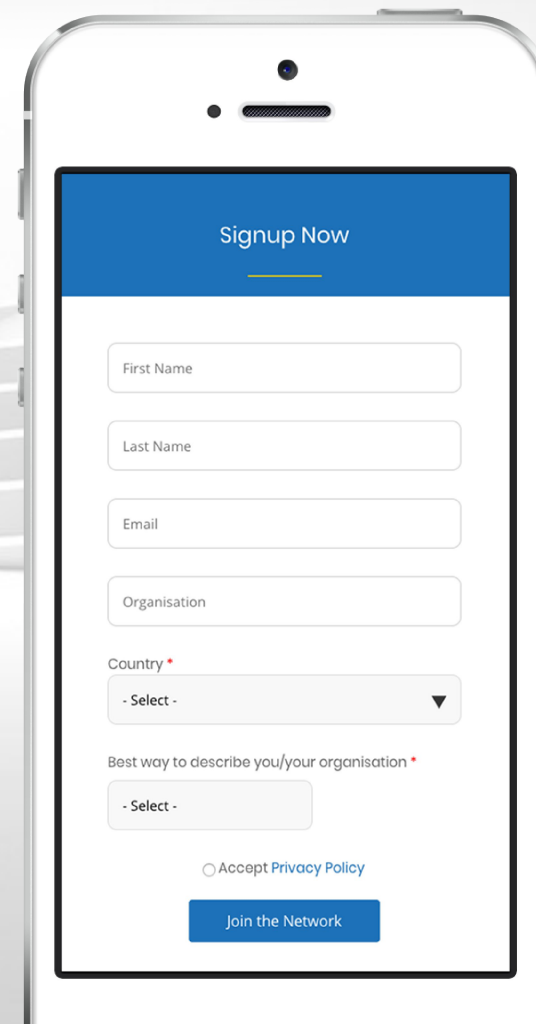
The evolving landscape – National Initiatives



Engage with us

Join the EOSC-Pillar Network to get our upcoming updates on

- ★ Results of the National Initiatives Survey
- ★ Our prototype of a “National Services Registry”
- ★ Our Business Model and Sustainability Study
- ★ Launch of our Open Call for Services
- ★ Publication of our FAIR training courses and toolkit
- ★ Hackathons and webinars... and many more!



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Country *

- Select -

Best way to describe you/your organisation *

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