



National Initiatives and support for EOOSC at the national level

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National Initiatives & EOSC

Supporting the consolidation of National Initiatives

Coordinating the development of National Initiatives: promoting collaborations with National and Regional initiatives to maximise synergies and shared roadmaps, supporting the consolidation of Nis at both management and technical level

At the technical level:

- see presentations in session **EOSC-Pillar Contributions to the EOSC Exchange** (tomorrow 16:00 – 17:00)

At the policy level:

- different activities to support the consolidation of National Initiatives at various levels, described in the presentations in this session

Consultation on synergies between Horizon Europe & ESIF in EOSC Partnership

One of the first activities aimed at understanding **challenges and barriers** to better **coordination** between **European Structural Funds and Investment Funds and EOSC Partnership**:

- in collaboration with ERA-Learn project and NI4OS
- 20 July 2020 **Webinar*** (≈100 participants)
- 20 July - 4 September 2020: **Open consultation** → 14 responses mostly coming from Widening Countries (Hungary, Czech Republic, Greece, Romania, Bosnia and Herzegovina, Italy, Bulgaria, Sweden, Belgium, Portugal)

* <https://www.eosc-pillar.eu/events/webinar-synergies-between-horizon-european-structural-investment-funds-eosc>

Consultation on synergies between Horizon Europe & ESIF in EOSC Partnership

Recommendations to ERA-Learn and the regional projects involved, see:

- ERA-Lear document „Updated Policy Brief on Synergies between R&I partnerships & European Structural and Investment Funds (ESIF)“*
- EOSC-pillar deliverable D4.3 - Roadmap for Consolidation National Initiatives**

Main recommendations:

Explore state of play of **own Region/State S3 (Smart Special Strategies)**

Dialogue with Managing Authorities to create landscape for funding implementation through NOP / ROP.

Explore establishment of **regional networks in ETC-Interreg** for implementation of parallel-complementary projects

bi-lateral collaborations based on MoU with Regions for additional resources

* https://www.era-learn.eu/documents/policy_brief_synergies

** <https://repository.eosc-pillar.eu/index.php/s/p8b9pGoc4ZDpqnE>

Consolidation of National Initiatives

- Analysis of the **status of the National Initiatives involved in federating national services** or **acting as national representatives** in the context of EOSC
 - identification of **characteristics & peculiarities** of each Country
- Offering **support** for:
 - the **definition/formalisation of policies and governance**
 - Better representativeness in the National and European panorama
 - Organise bi- and multilateral discussions to exchange best practices/success stories
- Coordination of a **Transversal Task Force** for consulting National Initiatives and gathering in-depth information on their status and needs

The Process

The starting point:

- * The National Initiatives survey (WP3)

Gathering additional information:

- * Interviews performed by a Transversal Task Force (with multiple focuses: policy, technical, business models)
- * Definition of actions to support the consolidation of NIs

The NI survey

General survey to collect information about actors and activities concerning EOSC at national level:

- Results summarized in deliverable D4.3 „Roadmap for Consolidating National Initiatives“ (chapter 3, specifically sections 3.x.1):
- High level questions about the connection with EOSC
- No technical nor detailed information

Outcome:

- EOSC is already known (or contributed to) by not so many actors
- Little awareness of the EOSC value and benefits for most of the actors in the countries
- List of institutions/people interested in EOSC

The landscape is evolving rapidly at both European and National levels, need to get up to date information

The Transversal Task Force

To collect more specific information, a Transversal Task Force has been set up involving several EOSC-Pillar activities (T7.1/T2.2/T4.1/T4.3/T4.5) to:

- coordinate a consultation process with national initiatives and other relevant infrastructures
- **identify specific contacts within national initiatives** jointly with all interested parties
- **Coordinate and set up interviews** with representatives in each country to:
 - get in-depth insights of what is needed within the national initiatives
 - collect information about services to be onboarded (to the EOSC catalogue), policies, business models

23 interviews were carried out between mid April and the end of June 2021: 5 in Austria, 2 in Belgium, 4 in France, 5 in Germany and 7 in Italy.

The Transversal Task Force - results

The outcome of the interviews with the representatives of the National Initiatives selected by the TTF are summarized in D4.3 Roadmap for consolidating National Initiatives * (section 3.x):

- Austria (3.3.y)
- Belgium (3.4.y)
- France (3.5.y)
- Germany (3.6.y)
- Italy (3.7.y)

* <https://zenodo.org/record/5654930>



EOSC-Pillar
European Open Science Cloud

Deliverable D4.3
Roadmap for consolidating National Initiatives
Guidelines and actions to be performed to consolidate National Initiatives

Lead Partner:	INFN
Authors	Luciano Gaido (INFN), Volker Beckhmann (MIESRI), Anita Bodlos (UnWien), Leonardo Candela (CNR), Sara Di Giorgio (GARR), Emile Hermans (U.Sibers), Lisa Honegger (UnWien), Javier Quinteros (GFZ), Olivier Bourchon (CINES), Jos van Wezel (KIT), Marco Verlate (INFN)
Version:	v1.0
Status:	Submitted

The Transversal Task Force - results

Austria:

- **ACONET** is the mandated organization,
- An EOSC Support Office has been created
- information collected from other relevant NIs (AUSSDA, ARCHE, GAMS, VSC)

Belgium:

- **BELNET** is the mandated organization (national)
- In Flanders, the Flemish Open Science Board is the reference for EOSC activities

The Transversal Task Force - results

France:

- **INRIA** is the mandated organization
- Collège EOSC-France coordinates the French position within the EOSC
- information collected from other relevant NIs (GENCI, Dataterra, IFB)

Germany:

- **NFDI** is the mandated organization
- information collected from Fraunhofer ISST

The Transversal Task Force - results

Italy:

- **GARR** is the mandated organization
- Represents **ICDI**, not a legal entity at the moment
- information collected from other relevant NIs (BBMRI.it, ELETTRA-Sincrotrone, CNR, INAF, INFN)

Overview of the National Open Science Policies in EOSC-Pillar's countries

	Austria	Belgium	France	Germany	Italy
	National policy on OS and EOSC	Open Science policy plan (Flandres)	Plan for Open Science 2021-2024	No National policy on OS	National policy on OS
Year	23 February 2022	January 2020	2018, updated July 2021	NA	20 June 2022
Issued	Federal Ministry of Education, Science & Research	The Flemish Open Science Board	French Ministry of Higher Education and Research	Various bodies (states, science organisations (e.g. MPG, Helmholtz), Wissenschaftsrat, RFii, DFG et.al.) have issued OS policies.	Italian Ministry of Universities and Research
Funding		5 M€ per year	5.4 M€ for 2021, then 3.4 M€ per year	Federally funded NFDI receives 90M€ each year until 2029.	
Scope	OS/OA/FAIR/EOSC	OS/OA/FAIR/EOSC	OS/OA/FAIR/EOSC	NFDI: OA/OD/FAIR/EOSC	OA/OD
Objectives	<ol style="list-style-type: none"> 1. Rewards and incentives 2. Research indicators and metrics 3. Future of Scholarly communication 4. EOSC 5. FAIR data 6. Research integrity 7. Skills and education 8. Citizen science. 	The Flemish Open Science policy supports Open data and research data management Data archiving, Metadata and, standardisation, Training and expertise and Data stewards.	<p>To generalise the obligation to publish in open access all articles and books resulting from publicly funded calls for proposal</p> <p>To structure and open up research data Open. To promote source codes produced by research</p> <p>To transform practices to make open science the default principle</p>	Federal government issues guidelines and through its representatives in the states set the goal of strengthening OA, OS and science communication Exchange with national science organisations.	open access; open data; online IT-service enabled collaboration: validation of research.

Actions to support the consolidation of NIs

Two main actions identified:

- [indirect support]

Provide additional materials for the EOSC-Pillar Ambassadors' programme to help researchers better understand what EOSC is and what are the benefits of the EOSC Portal (catalogue + marketplace)

- [direct support]

Create a network among the representatives of the Mandated Initiatives of the 5 EOSC-Pillar countries to exchange information, experience and expertise concerning a lot of items related to the set up and management of a National Initiative as well as to discuss the main issues and difficulties which may be encountered along that journey

Ambassadors' programme existing material



De European Open Science Cloud ontdekken:



Entdecken Sie die European Open Science Cloud



de basis en de baten

Wat is EOSC?

- EOSC wordt aan een wereldwijd netwerk van bestaande wetenschappelijke data-infrastructuren in België
- Op die manier wordt het vinden, toegang krijgen tot en het toegankelijk maken van openwetenschappelijke instrumenten, en diensten over

Was ist EOSC?

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

- um über Austausch und die Nachnutzung von

Discovering the European Open Science Cloud



Basics & Benefits

What is EOSC?

The European Open Science Cloud (EOSC) is an initiative to connect existing research

- to make it easier to find, access, and reuse research results, tools and services
- to support data storage and analysis
- to link data sets across disciplines and borders
- to foster innovation and synergies
- to enable new and unexpected discoveries



A la découverte des principes et des avantages de l'European Open Science Cloud



L'EOSC est un

- Promoteur de construction d'un environnement virtuel
- Pour les infrastructures de données scientifiques déjà existantes
- Pour faciliter le documenter, l'accès et la réutilisation de données de recherche, d'outils et de services
- Pour connecter et combiner des jeux de données
- A travers les disciplines et les frontières
- Pour rendre possible des découvertes inattendues



Alla scoperta del Cloud Europeo della Scienza Aperta



Nozioni di base e vantaggi

Cosa è EOSC?

- Un processo per costruire un ambiente virtuale
- Per infrastrutture di dati esistenti
- Per trovare, accedere, condividere dati, strumenti e servizi della scienza più facilmente
- Per interoperabilità dei dati
- Tra diverse discipline e oltre le frontiere
- Per rendere nuove e inattese scoperte



EOSC aims to:

- provide researchers access to data and results
- connect scattered data and results
- handle different types of data
- handle the increase in data volume
- facilitate data publications and sharing of data
- foster multi-disciplinary collaboration

What makes data FAIR?

Findable Accessible Interoperable Reusable



The FAIR principles ensure that data can easily be located and incorporated into EOSC, benefiting researchers across Europe and beyond.

Les défis de l'EOSC:

- Fournir aux chercheurs accès à des données et des résultats qui sont éparpillés et fragmentés
- Gérer la croissance de volume de données
- Fournir pour différents types de données
- Faciliter la publication et le partage de données
- Promouvoir les collaborations pluridisciplinaires
- Créer des synergies

Que signifie l'acronyme FAIR?

Findable Accessible Interoperable Reusable



Les principes FAIR garantissent que les données peuvent être facilement retrouvées et incorporées dans EOSC, au bénéfice des chercheurs à travers l'Europe et au-delà.

Le sfide di EOSC

- Fornire ai ricercatori accesso ai dati e ai risultati che sono frammentati
- Gestire l'incremento del volume di dati
- Fornire per diversi tipi di dati
- Facilitare la pubblicazione e la condivisione dei dati
- Promuovere collaborazioni interdisciplinari
- Creare sinergie

Cosa significa dati FAIR?

Findable Accessible Interoperable Reusable



I principi FAIR assicurano che i dati possano essere facilmente ritrovati e integrati in EOSC, a beneficio dei ricercatori in Europa e non solo.

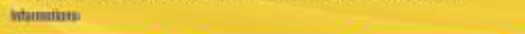
Access to EOSC

The European Open Science Cloud includes a wide range of regional and thematic communities. There are several ways to get involved in shaping EOSC:



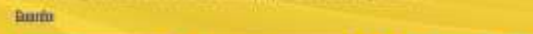
Comment rejoindre l'EOSC et accéder à ses services?

De nombreux points d'accès à l'environnement EOSC existent pour une grande variété de communautés de chercheurs par discipline ou par région, ainsi que des liens pour s'engager dans sa gouvernance.



Come posso accedere o far parte di EOSC?

Esistono diversi punti di accesso all'ambiente EOSC, che comprendono un'ampia varietà di comunità di ricerca tematiche regionali, così come il modo tanto meglio per partecipare alla sua governance.





[Indirect support]: the videos



These videos are available on the EOSC-Pillar Youtube channel:
<https://www.youtube.com/channel/UCGBka4J1kpaz1VyjQbPCYvQ/videos>

Meetings with MOs representatives

[Direct support: the MOs representatives network]

Three online meetings have been organized:

- * April 14 (Austria could not attend)
- * April 25 (Austria only)
- * September 1

Meetings with MOs representatives

The network of representatives from MOs identified and discussed two topics:

- **Procurement of services and its implications**
 - lack of interest in running services long-term (research vs. business motivation)
 - lack of clear business models long term strategies on EOSC (incl. financing)
 - lack of awareness among decision-makers
 - lack of commercial interests
 - administrative and legal constraints (providing proof for service costs, penalties in case of non-fulfilment of contract, etc.)
 - **secure the future involvement of RPOs in the EOSC building process**

Meetings with MOs representatives

- Communities' engagement at National level:
 - the MOs to take up a bridge function between the Association and the national communities
 - documentation about the key messages to different stakeholders about where the benefits lie and how to participate
 - monitoring of engagement at the national level
 - **an exchange of best practices and a coherent approach to national engagement (of MOs)**

In the meantime, a network of MO representatives has been set up by the EOSC-A, involving all the countries represented.

They had their last meeting this morning no formal link between the two initiatives, but hopefully the discussions within the EOSC-Pillar network are helpful in this wider network

Conclusions

- Landscape is heterogeneous
- Many National Initiatives in the EOSC-Pillar countries
- Mandated Organization for the EOSC Association identified in all countries, but different implementations (supporting groups in some countries)
- Open Science policies defined in all countries
- Various actions performed by EOSC-Pillar (ESIF webinar + survey, videos for the Ambassadors programme, network of Mandated Organization, contribution to EOSC-A Task Forces and eosc-5 projects Task Forces) contributed to:
 - increase the awareness of EOSC in the different countries
 - share information and experiences among the relevant actors at national level, including MOs
 - support the connection with the relevant EOSC actors/projects at European level

EOSC-Pillar

Coordination and Harmonisation of National & Thematic Initiatives to support EOSC

Thank you!

Get in touch with us!



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