



EOOSC-Pillar

Coordination and Harmonisation of National & Thematic Initiatives to support EOOSC

Supporting users and providers to join the EOOSC catalogue ecosystem

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Outline

- The approach
- The EOSC catalogue ecosystem
- A model for a national catalogue
- Catalogues interoperability
- How to operate a interoperating national/thematic catalogue
- The EOSC Catalogue Onboarding Agreement
- Validation of service Providers and Services
- Documentation and other materials
- Conclusions

The approach: it's all about connecting...

- Users' needs are the driving force
- Silos and fragmentation exist in the European Research landscape
- The EOOSC aims at reducing the fragmentation of **activities, services** and **people** by connecting all of them in various ways... including through provision of tools and services.
- Among the others, the **EOOSC Portal** provides a **Catalogue** and a **Marketplace** where
 - service providers can make their services available
 - users can find services suitable for their needs
- BUT many other catalogues exist, so building an **ecosystem of interoperable catalogues** is paramount

Connecting actors first!

First step

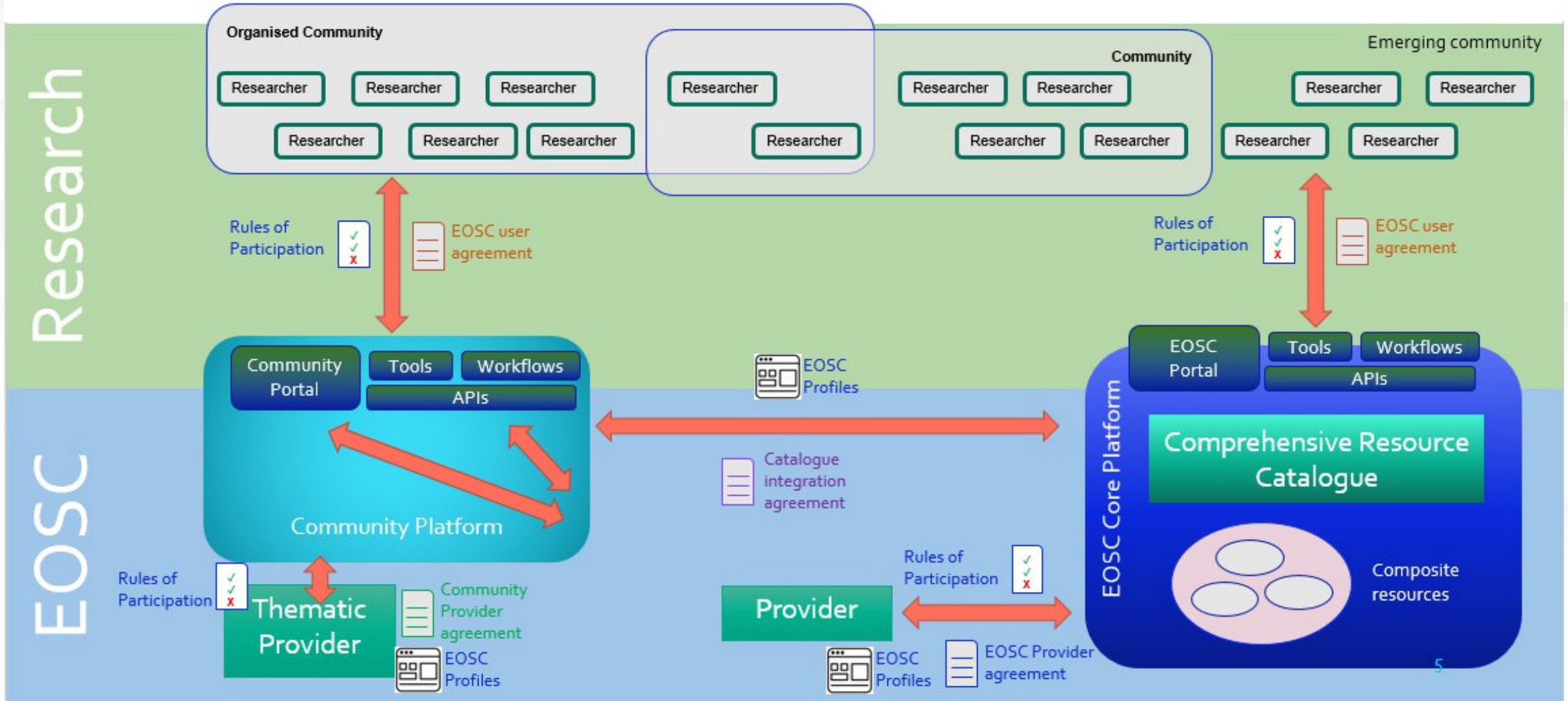
- connect **stakeholders**:
 - Research communities
 - Service and Resource Providers
 - Institutions (including EOOSC-A)
 - Policy makers
 - Funding Agencies
- **engagement activities** at all levels are paramount
 - relationship with EOOSC Governance and related initiatives described by Rob Carrillo yesterday

Connecting activities

Next step:

- **connect activities** in EOSC-related projects (at European, national and international levels) through:
 - the eosc-5 intra projects Task Forces:
 - Service Onboarding TF
 - contributions to the EOSC Association Advisory Groups and Task Forces:
 - Rules of Participation and Compliance Monitoring TF
 - cooperation among projects:
 - Flagship projects (EOSC-Hub and EOSC Future) and other regional projects
 - joint activities
 - support to National Initiatives

The EOSC Catalogues Ecosystem



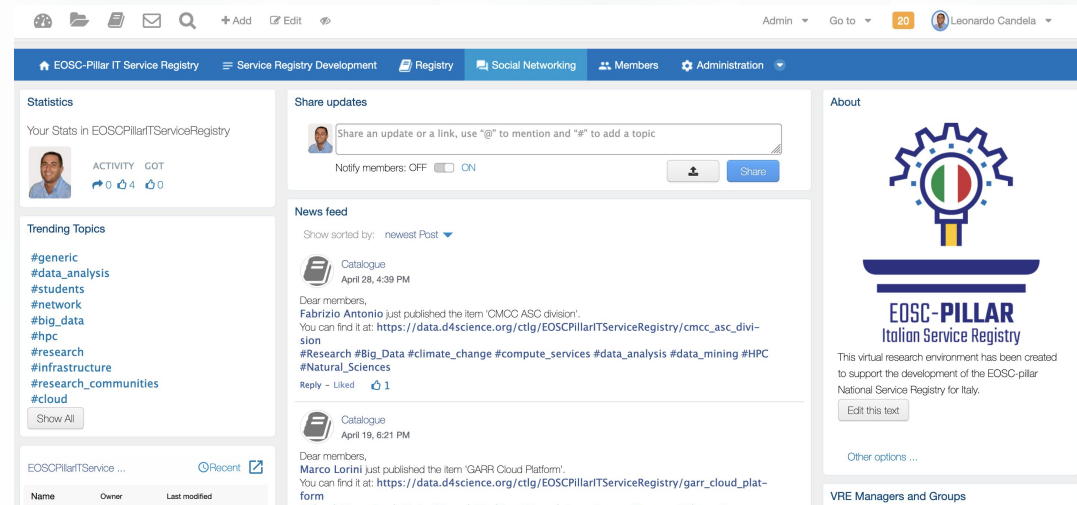
A model for a National Catalogue

Within EOSC-Pillar a **model for a national Service Registry** has been developed:

- based on the EOSC Portal Profiles \diamond ready to interoperate with the EOSC Portal Catalogue
- can be implemented by different actors
- and operated by whatever institutions (mandated for this)

Proof of Concept for the Italian community

- see Leonardo Candela's slides (Technical track: Project achievements 9:00 – 10:30)



Catalogues interoperability

This involves various actors:

- the **EOSC Future project** (previously **EOSC-Hub/EOSC Enhance**) which operates the EOSC Portal (providing the EOSC Catalogue and Marketplace)
- the regional (eosc-5-) projects ◊ some of them operate a catalogue or have activities related to catalogues
- various other actors (including thematic projects)

Requirements collected in different contexts, among which:

- the eosc-5 Service Onboarding Task Force (initially **led by** NI4OS and then by **EOSC-Pillar**)
- the EOSC Onboarding Strategy Group (**EOSC-Pillar contributes**)

How to operate an interoperating national/thematic catalogue

To support onboarding of resources into EOSC, specifically through national/thematic catalogues, EOSC-Pillar delivered a document:

- **“Guidelines for operating a national/regional/thematic catalogue which should be made interoperable with the EOSC catalogue”**

Aim:

- support ‘local’ catalogue owners and operators with general and practical help to set up the technical and operational procedures to operate a catalogue, to be adapted to the specific context of the local catalogue.

Status:

- Document released
- <https://repository.eosc-pillar.eu/index.php/s/o8H6LGbGDd3fpZF>

EOSC Catalogue Onboarding Agreement

It is the basis for the interoperability between catalogues and defines:

- the conditions for the technical interoperability (e.g. compatibility of Service Provider and Resource **Profiles**, validation procedures, etc.)
- the roles and responsibilities of the catalogue operators/owners
- their mutual commitment to ensure and maintain the quality of information over time

Document prepared by the EOSC Onboarding Strategy Team:

- contributions by representatives of various projects (**incl. EOSC-Pillar**)
- feedback collected in a wide environment
- **approved by the EOSC-Future Technical Coordination Board**
- available here:

<https://wiki.eoscfuture.eu/display/PUBLIC/EOSC+Catalogue+Onboarding+and+Onboarding+Agreement>

Validation of Service Providers and Resources information

Each catalogue needs to define appropriate procedures to:

- **validate** the information about service providers and resources submitted through the catalogue user interface during the application phase:
 - the information is correct and complete
 - it is compliant with the inclusion criteria, derived by the **EOOSC Rules of Participation*** defined by a specific Task Force of the initial EOOSC Governance (and currently under revision by the **RoP TF** set up by the EOOSC Association)
- **audit** periodically the information to ensure it is still valid and compliant with the inclusion criteria and the resources are available

* <https://op.europa.eu/en/publication-detail/-/publication/a96d6233-554e-11eb-b59f-01aa75ed71a1/language-en/format-PDF/source-184432576>

Documentation

The main document is deliverable D7.1

D7.1- Guidelines and recommendations for the technical integration of services into EOSC

<https://repository.eosc-pillar.eu/index.php/f/58288>



D7.1: Guidelines and Recommendations for the Technical Integration of Resources and Services in the EOSC

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Authors	Claudio Pisa (GARR), Beatrice Chiavarini (CINECA), Luciano Gaido (INFN), Marco Verlatto (INFN), Fulvio Galeazzi (GARR)
Version:	1.0
Status:	Submitted
Dissemination Level:	PU
Document Link:	https://repository.eosc-pillar.eu/index.php/s/cD6B3aAxGmcrGeX

Videos

Three videos have been delivered by EOSC-Pillar to:

- 1) help users and service providers understand the benefits of joining the development of EOSC
- 2) explain users and service providers why they can trust the resources made available through the EOSC Portal
- 3) Help service providers understand the benefits of federated AAI

These videos are available on the EOSC-Pillar Youtube channel:

<https://www.youtube.com/channel/UCGBka4J1kpaz1VyjQbPCYvQ/videos>



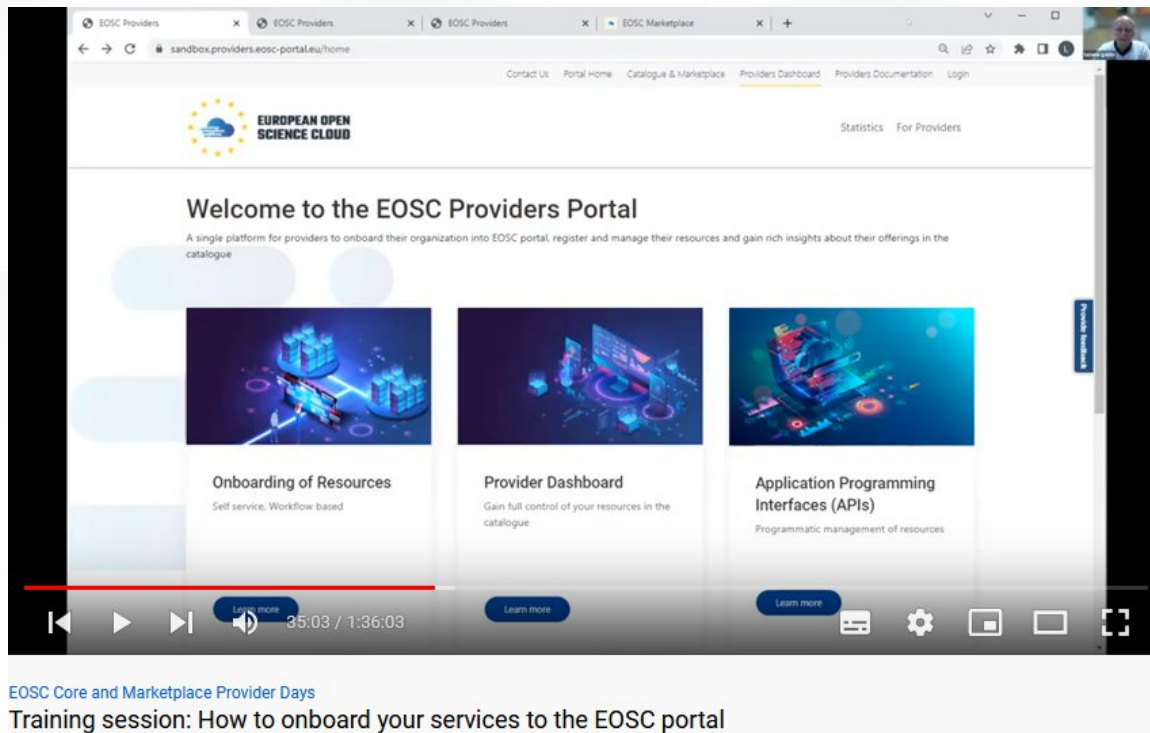
Video



<https://youtu.be/71pv7zZRB3k>

Other materials

EOSC-Pillar contributed to the event “EOSC for Data and Service Providers”* (April 26-28 2022), organized by EOSC Future, specifically with a **live demo** on service onboarding through the EOSC portal



You can watch it at:

<https://www.youtube.com/watch?v=aDjWhFXzSBA&list=PLbISfqJh3TsvQ8QxYFViGxWRcHzcqpvgD&index=10>

The live demo starts at 34:06, but it is worth watching the introductory presentation as well.

* <https://eoscfuture.eu/eventsfuture/provider-days>

Support for integration of services

... with the EOSC-Core services.

- the main interest for the user communities involved in EOSC-Pillar has been for AAI
 - ◇ supported the integration with **INDIGO-IAM**, the reference AAI solution of EOSC-Pillar

Integration with INDIGO-IAM and other EOSC-Core services (such as monitoring, accounting, etc.) documented in **deliverable D7.1**

◇ More information in the next presentation

Conclusions

At the technical level, EOSC-Pillar helped national actors (users and providers) to join EOSC by:

- supporting the integration of their services with the EOSC-core services
- supporting the onboarding of services into one of the EOSC recognized catalogues
- delivering a prototype of a national registry
- providing various types of materials (documents, videos, etc.)

Lessons learnt:

- cooperation among different actors is paramount
- catalogues must be sustainable, i.e. should be operated by long lasting institutions (issues with projects coming to an end)
- quality of information should be maintained: need for regular monitoring/audit
- user centric approach very important: need for improvement of services/tools addressing users' needs ◇ at both European and National level

EOSC-Pillar

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Thank you!

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