

Training session: How to onboard your services to the EOSC portal

EOSC Core and Marketplace Provider Days

27.04.2022

EOSC Future 9.2. Training Team and EOSC Portal Onboarding Team (EPOT)



with



The EOSC Future, C-SCALE, DICE, EGI-ACE, OpenAIRE-Nexus, Reliance and ARCHIVER projects are funded by the European Union Horizon Programme calls INFRAEOSC-03-2020 and INFRAEOSC-07-2020 and H2020-ICT-2018-20





General Information

- Interactive session with experts
 - We want to include the audience throughout
 - We are happy to have experts from the EOSC Portal Onboarding Team (EPOT)
- Slido Q&A for this session
 - → <https://www.sli.do/> , enter event code #636700
 - Please ask your questions in this slido
 - Please 'upvote' questions you want to hear answered
 - Questions will be answered during the session as far as possible and time allows
 - All questions and answers in slido will be collected in a document
- Q&A's and all other material will be provided afterwards



Agenda

1. Introduction to EOSC Future Training Task T9.2 & Survey (Anna-Lena Flügel (DKRZ))
2. Interactive Training Session (Catalin Condurache (EGI) & Luciano Gaido (INFN))
 - a. Presentation “How to get started with onboarding?”
 - b. Live demo using test environment
 - c. Q&A sessions
3. Feedback and Next steps (all, open discussion)



Introduction : T9.2 training & Survey

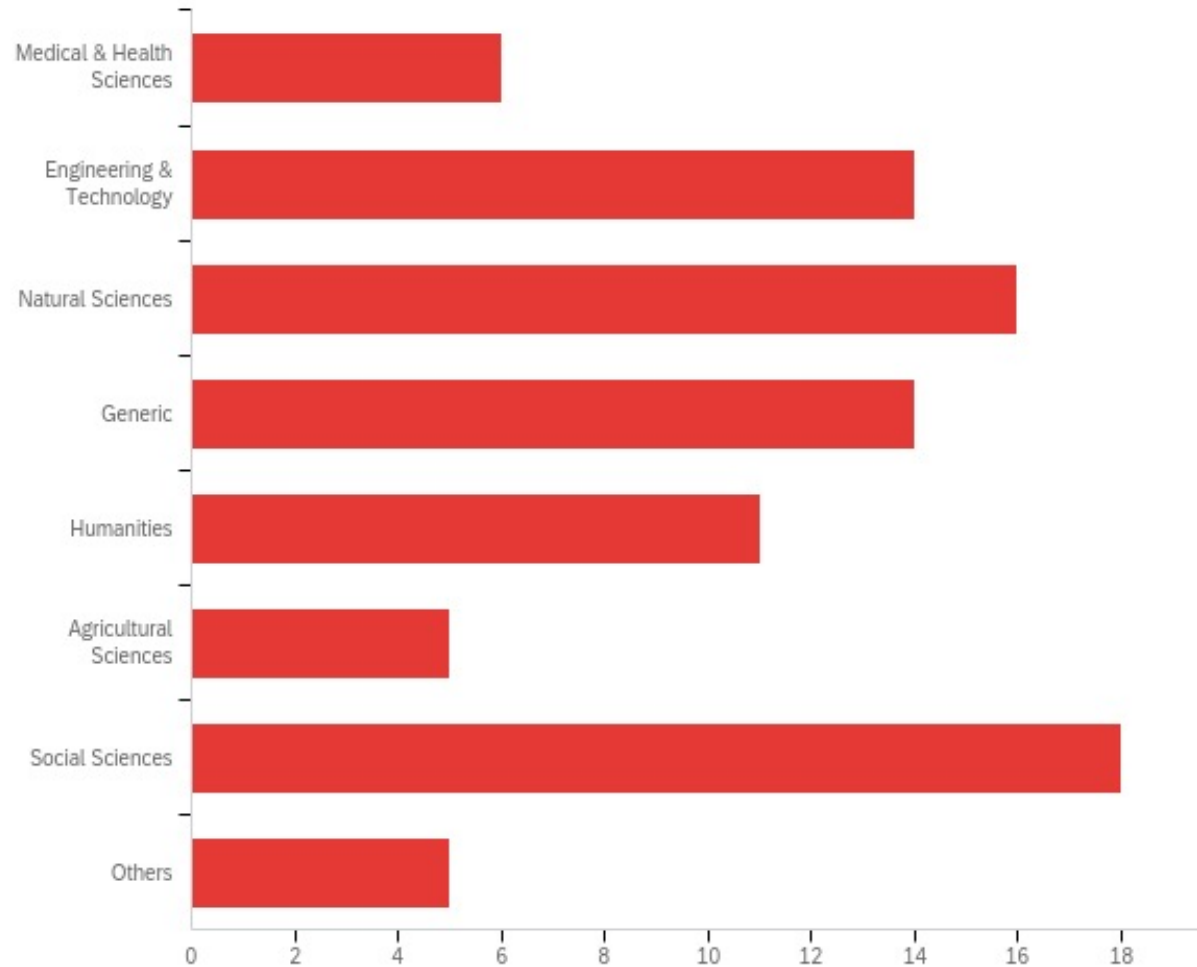
- Training session was developed within EOSC Future T9.2
- Aim of T9.2: provide reusable training programme for EOSC end users and providers to be used across different disciplines and countries
- We will kindly ask you for feedback at the end of the session



Survey on (potential) Provider Training Needs

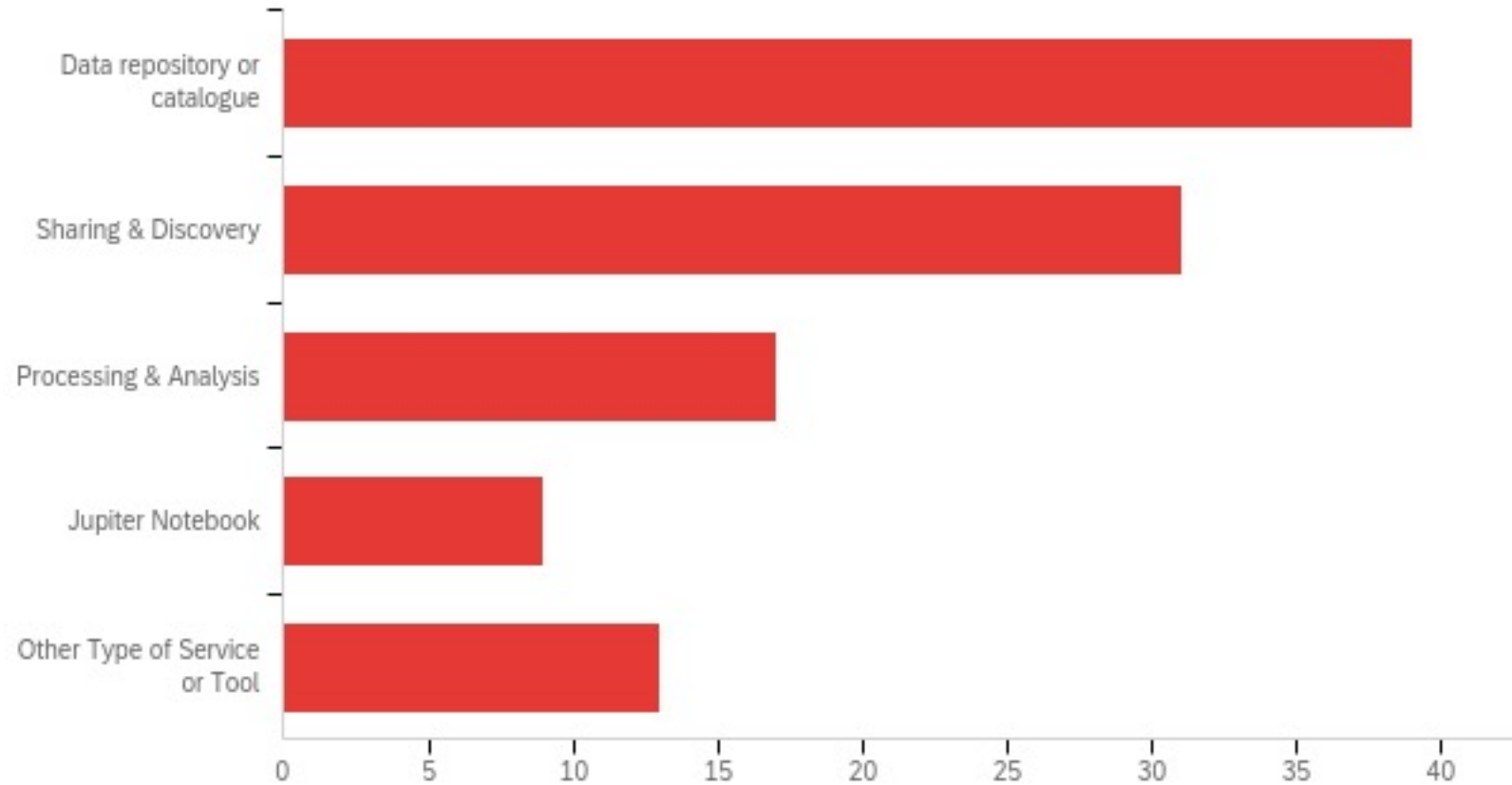
- Our working group created a short 5 min-survey to find out more about the training needs of (potential) EOSC Providers:
https://qfreeaccountssjc1.az1.qualtrics.com/jfe/form/SV_8DsLozoLjt5OEBw
- We used the following results to design this training session

Survey Results: Research Domains



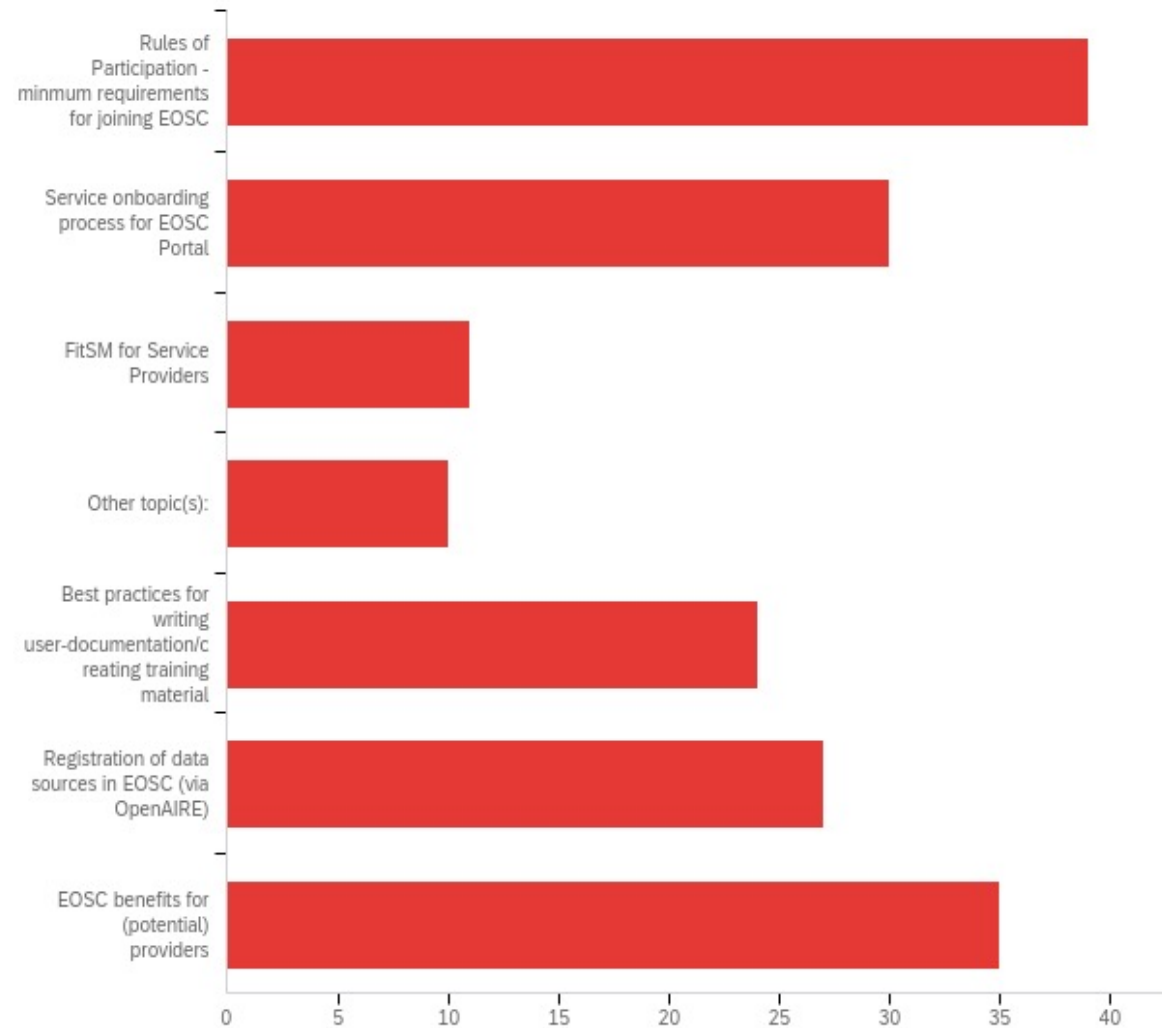
69 responses so far; mostly from Social Sciences, Natural Sciences, and Engineering and Technology domain

Survey Results: Types of Resource



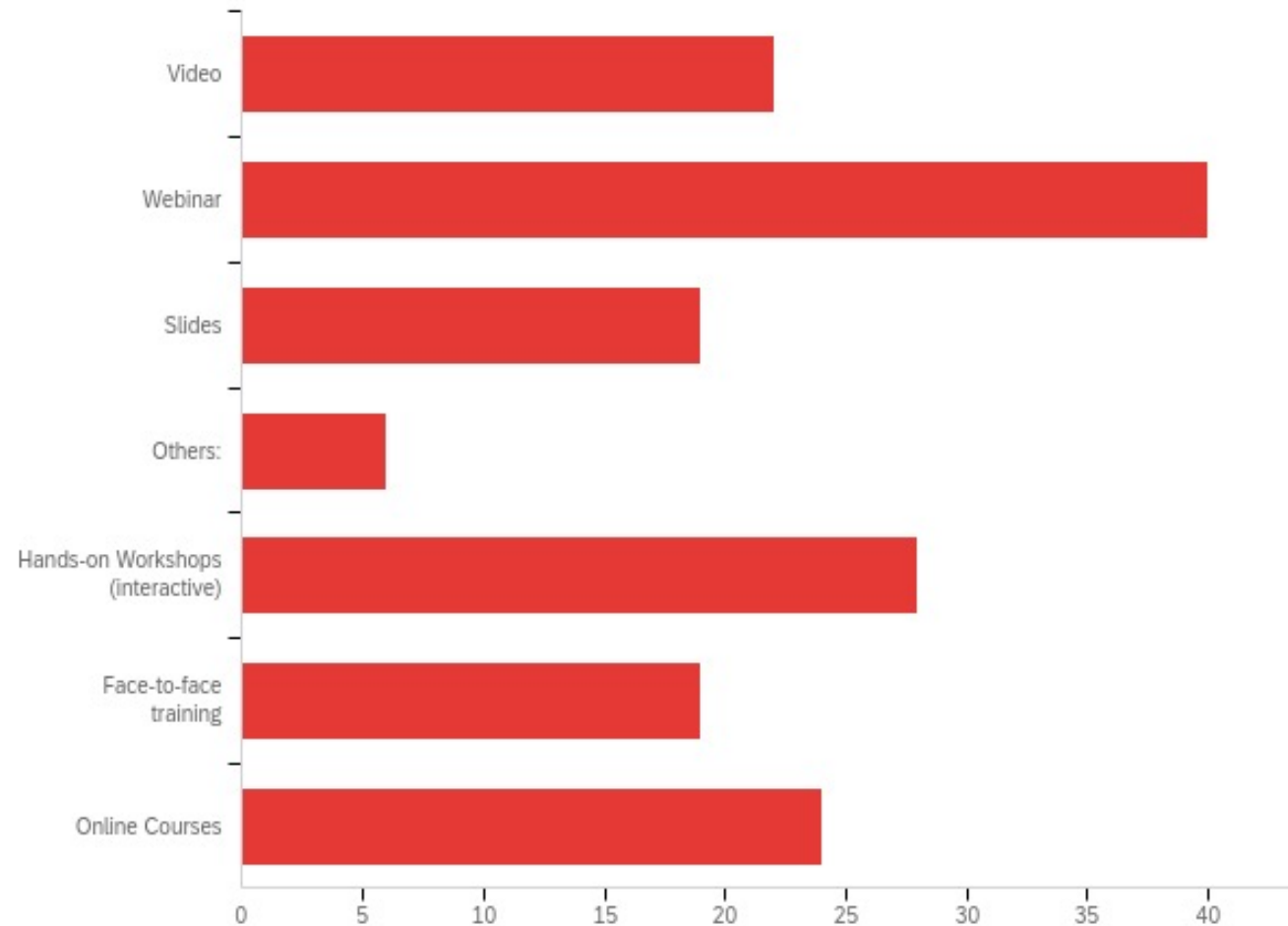
„Other Types of Service“ included authentication, training resources, journal publishing platform, Tesseract (+VRE building platform), and storage&archive

Survey Results: Topics



Topics of interest were mainly EOSC Rules of Participation (RoP), EOSC benefits for Providers, and how to onboard a service to the EOSC Portal

Survey Results: Types of Training



Preferred training formats were: webinars, interactive hands-on workshops, online courses and videos



Feedback and Next steps

Open discussion (you can answer via slido)

- Which problems did you have trying to onboard to EOSC?
- Did we miss something in this training? What could be improved?
- Considering future trainings, which topic(s) would interest you?



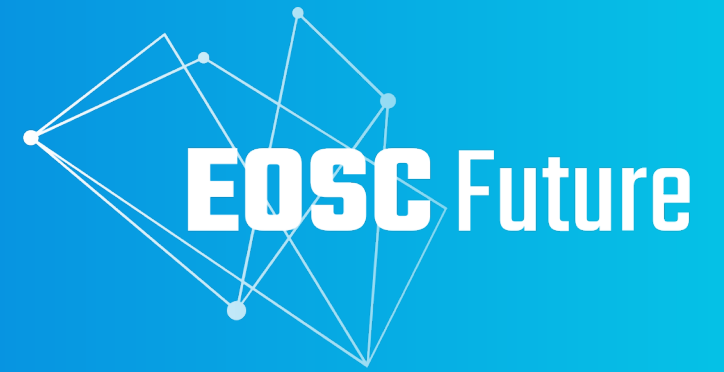
Where to go for further help

On EOSC-Portal website → <https://eosc-portal.eu/for-providers>

Providers Toolkit is under development, will be accessible on the link above

Contact the EPOT via onboarding@eosc-portal.eu

Thank you and good bye

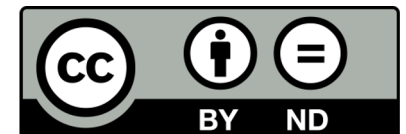


How to Get Started With Onboarding?

Catalin Condurache (EGI Foundation)
EOSC Portal Onboarding Team coordinator

EOSC Future Provider Days, 26-28 April 2022

The EOSC Future project is co-funded by the
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INFRAEOSC-03-2020, Grant Agreement 101017536





The European Open Science Cloud (EOSC)

An environment for hosting and processing research data to support EU science

It addresses technical and organisational challenges

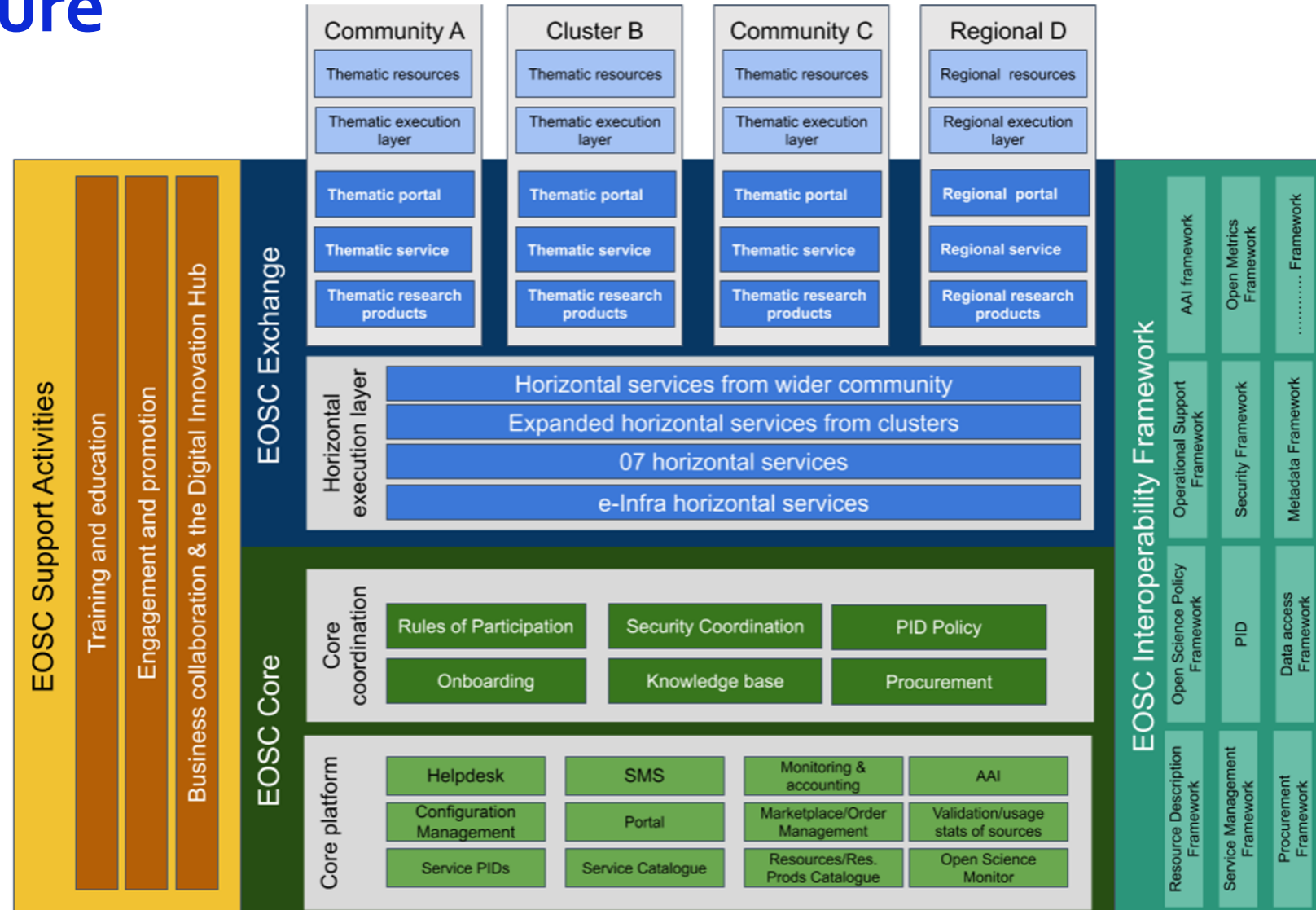
- Federation of the Research Infrastructures (RIs)
- Fulfilment and development of FAIR* principles on data
- Services for data discovery, access and processing integrated on a centralised access portal
- Governance model with clear Rules of Participation (RoP)

* Findable, Accessible, Interoperable, Reusable

EOSC Architecture

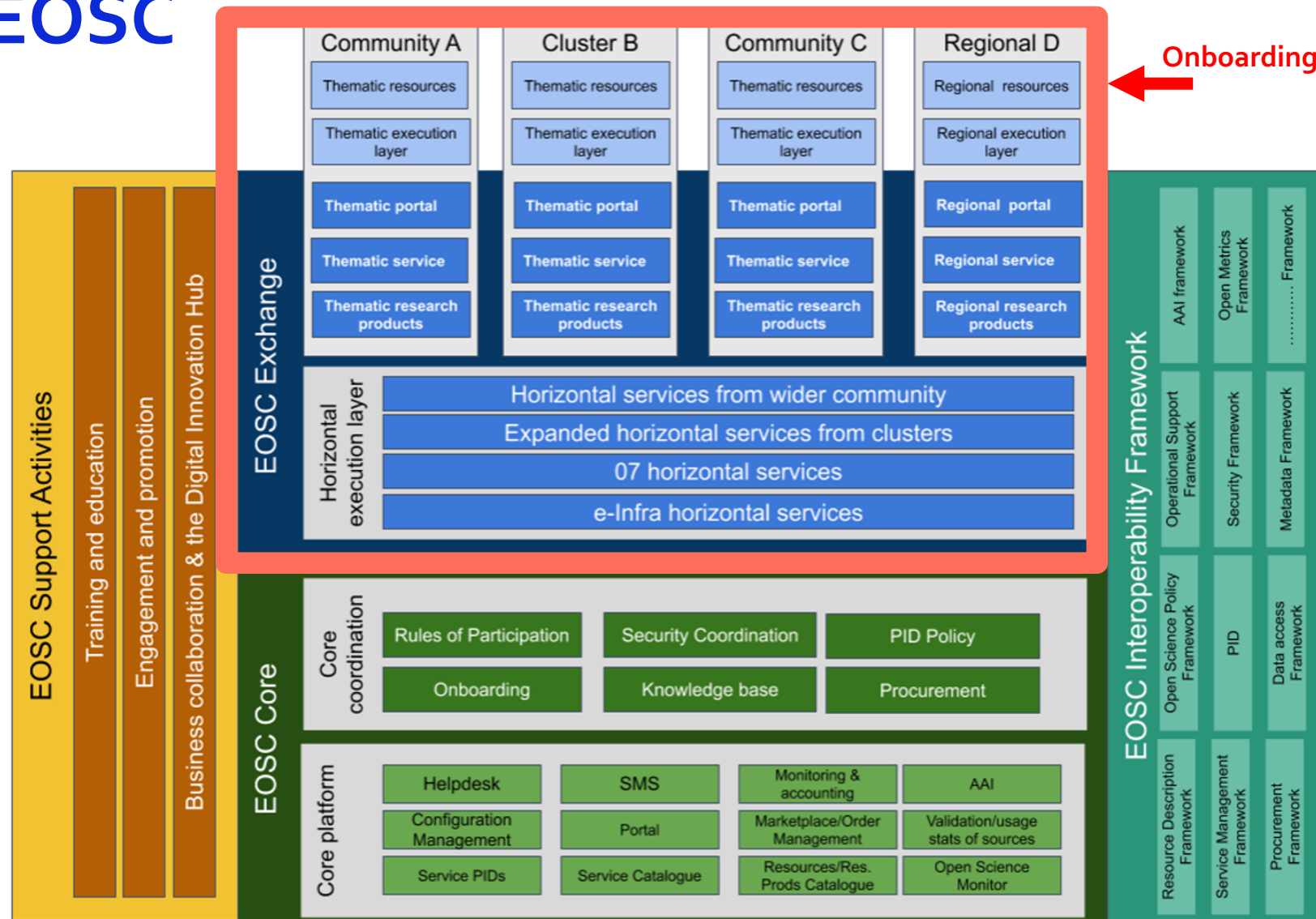
Three components

- EOSC Core
- EOSC Exchange
- EOSC Interoperability Framework



Onboarding to EOSC

It is about populating the EOSC-Exchange





What is onboarding?

Registering and publishing resources into the EOSC Portal

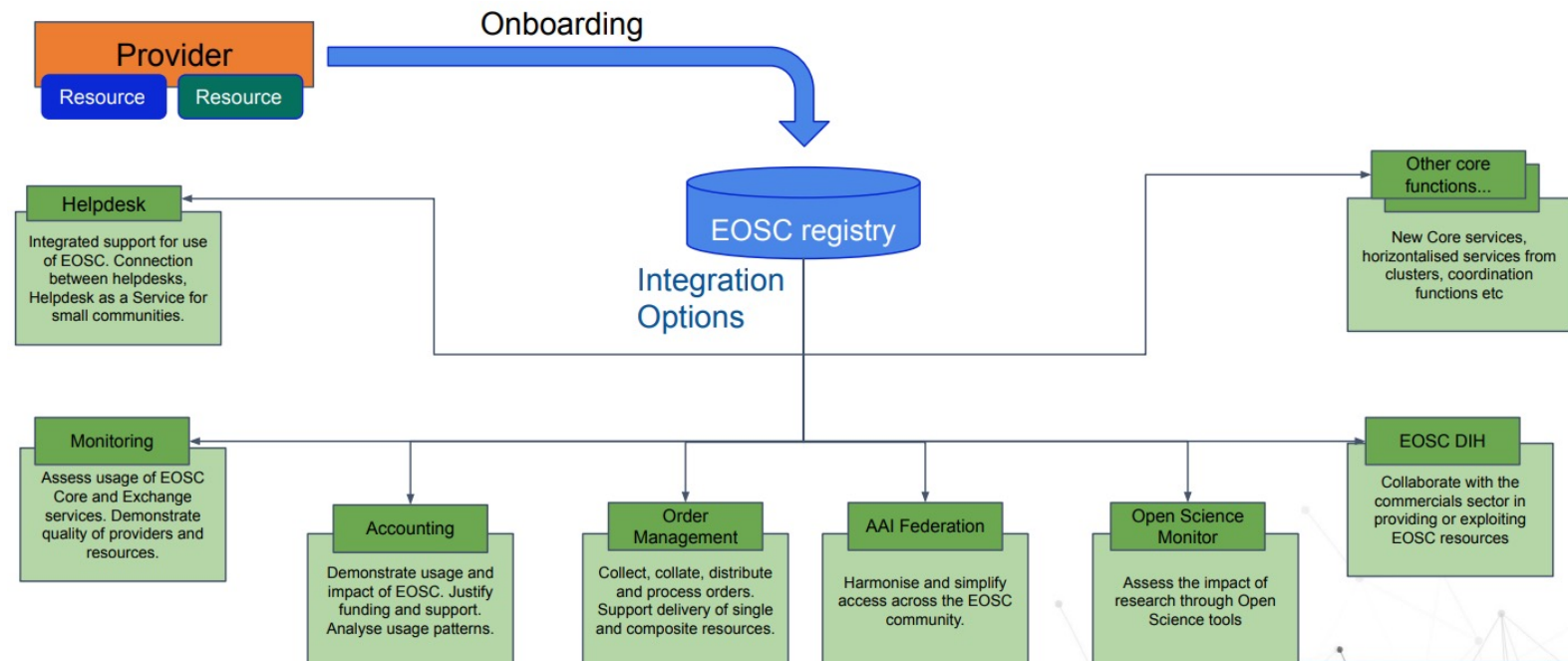
New Resource Providers and Resources are added to the EOSC Portal using application of the EOSC Portal inclusion criteria

<https://eosc-portal.eu/providers-documentation/eosc-provider-portal-inclusion-criteria>

Why to onboard?

Benefit from added value of the EOSC Portal

- For *service providers*: integration with Core and enable service, composability, attract new users
- For *users*: single point of access to discover, order services, obtain help etc.



Why to onboard?

But also because...

- Already 223 Resource Providers and 317 Resources onboarded and available in the EOSC Marketplace - <https://marketplace.eosc-portal.eu> (*)
- You may want to join them!
- Many target groups and communities that might find you being of interest

(*) as of 25 April 2022

Communities and infrastructures	Providers	Dedicated for
<ul style="list-style-type: none">• CSC Enterprise• Geohazards Themat...• Digital Science• XDC• EOSC-hub project	<ul style="list-style-type: none">• Taylor & Francis• DEEP-Hybrid-DataClo...• CSIC• Atlas of Living Australia• ATMOSPHERE	<ul style="list-style-type: none">• Cineca Consorzio Interuniversitario• OPERAS AISBL• Institute of Atmospheric Pollution Research - Nat...• DARIAH ERIC (Digital Research Infrastructure for ...)• EUDAT
→ We have 42 more Communities and infrastructures	→ You can find 218 more providers	→ And for 12 more other target groups

EUROPEAN OPEN SCIENCE CLOUD

Find resource... All resour... Q My EOSC Marketplace

Resources

All Resources 317

CATEGORIES

Access physical & eInfrastructures	76
Aggregators & Integrators	24
Processing & Analysis	132
Security & Operations	27
Sharing & Discovery	85
Training & Support	30
Other	11

FILTERS

SUGGESTED

APEER
Your customized image processing solution
Organisation: Carl Zeiss Microscopy

Forschungsdaten.info
Forschungsdaten.info is the German-language information portal on research data management (RDM). The site ...
Organisation: Forschungsdaten.info

Laniakea@ReCaS
Automatic deployment of virtual Galaxy environments for life science
Organisation: ELIXIR Italy



Where and how to onboard?

Directly to EOSC registry (Provider Portal)

- Onboard the RP, then resources via web UI or API – <https://providers.eosc-portal.eu>
- Support via onboarding@eosc-portal.eu
- Providers documentation - <https://eosc-portal.eu/providers-documentation>
- Validated by EOSC Portal Onboarding Team (EPOT) and then listed on EOSC MP

Via community organisations

- Onboard to community catalogue (thematic, regional) after it's integrated with EOSC (*)
- Contact community organisers / reps from cluster, region
- Expose to similar communities to your own

(*) Catalogue integration with EOSC is work in progress

More about the onboarding process

Process developed by EOSC Enhance and EOSC-hub projects back in 2020

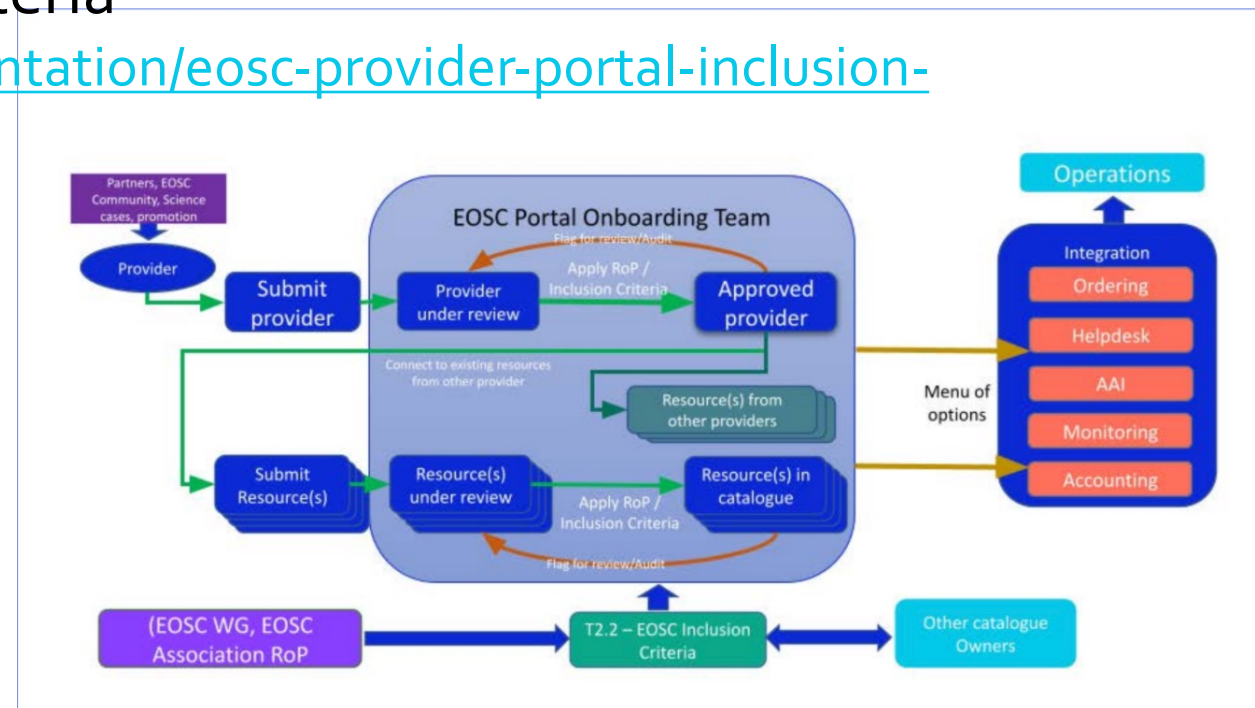
- <https://wiki.eoscfuture.eu/display/PUBLIC/EOSC+Portal+Onboarding+Process>

Follows the EOSC Portal inclusion criteria

- <https://eosc-portal.eu/providers-documentation/eosc-provider-portal-inclusion-criteria>

Two separate procedures

- Validation of new requests against Rules of Participation requirements
- Audit existing records to ensure they remain valid





Inclusion criteria from the Rules of Participation

<https://eosc-portal.eu/providers-documentation/eosc-provider-portal-inclusion-criteria>

These are applied by EPOT members to validate both Resource Provider and Resource entries

Defined around

- What groups can onboard to EOSC as a provider?
- Who can onboard resources to EOSC
- What resources may be connected to EOSC?
- A provider profile and resource profiles for each resource must be filled, including at a minimum all required fields.
- The provider must agree to periodically update data on themselves and their resources



Inclusion criteria for Resource Providers

- The RP needs to be a *legal entity* or lists a *Hosting Legal Entity* (different RP already onboarded)
- Suitable to submit a valid resource (not a web store)
- Any Resource onboarded is delivered by the RP or by its collaborators
- Links provided point to the required content
- All fields are correctly filled in
- Will maintain records / remove them in future as appropriate



Inclusion criteria for Resources

- 'Live' services (IT service or 'human' – training, consultancy) now
- Artifacts (data/software) starting with Sep'22
- Mature (ideally TRL8 or 9) (*)
- Services targeted to EOSC or EOSC communities
- Services building on / leveraging EOSC capabilities
- Links provided point to the required content
- All fields are correctly filled in
- ToU and Privacy Policy – EPOT are not lawyers; these docs need to minimally look coherent

(*) <https://eosc-portal.eu/providers-documentation/eosc-provider-portal-resource-maturity-classification>

Technology Readiness Level (TRL) indicators: TRL 7 – Beta, TRL 8 – Production, TRL 9 - Production



Onboarding Phases

RP onboarded first -> approved

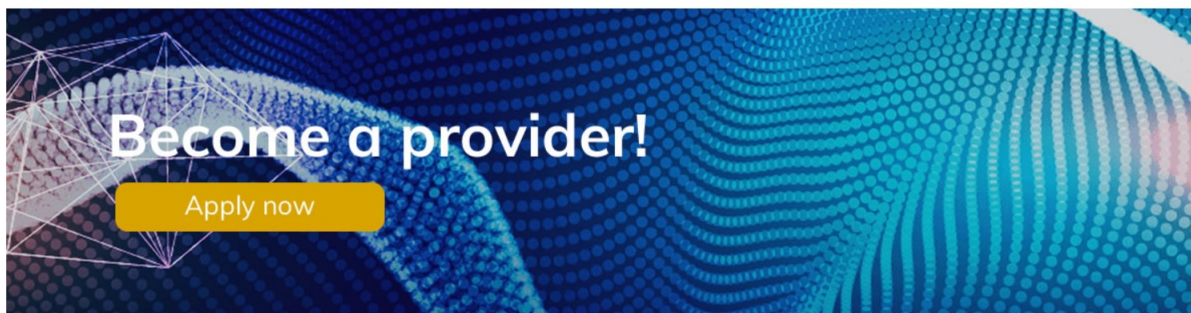
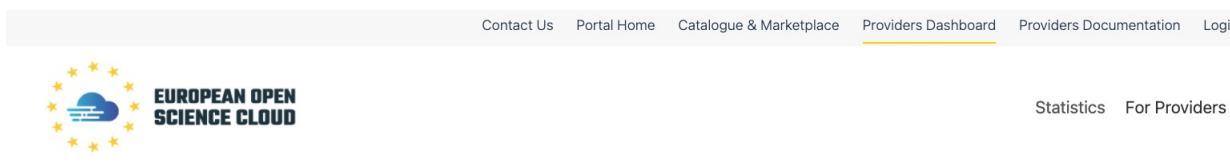
1st resource onboarded -> approved

2nd, 3rd and next resources -> automatically approved, but in queue to be audited by EPOT

All records audited at regular intervals

Onboarding Procedure

<https://providers.eosc-portal.eu/becomeAProvider>



EOSC welcomes the participation of service providers that will contribute to develop EOSC into a rich environment offering a wide range of services and resources for researchers.

The EOSC will be Europe's virtual environment for all researchers to store, manage, analyse and re-use data for research, innovation and educational purposes. EOSC is intended to set off the ground by federating existing scientific data infrastructures and digital infrastructures for data exploitation that are now spread across disciplines and EU member states. This will make access to scientific data and other scientific outputs easier and more efficient.

Why join as a provider?

By contributing your services and resources to the EOSC portal, you can:

- Choose to advertise them on the EOSC Portal and promote their adoption outside your traditional user groups, reaching a wider user base.
- Get statistics about access requests and customer feedback.



Statistics For Providers For EPOT



You are about to register a new Resource Provider (RP). You will be able to register new resource(s) when this process is completed and your RP is onboarded. For further information you may visit items under the 'support' menu.

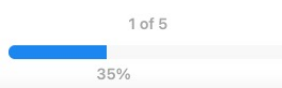
Fields with (*) are mandatory and must be completed in order to save this form. Leaving optional fields blank will remove the relevant heading from the published resource/provider profile.

Do you need help? [Download as PDF/Excel](#)

Provider Profile Information Blocks

- 1. Basic * 4*
- 2. Marketing * 2*
- 3. Classification
- 4. Location * 4*
- 5. Contact * 1*
- 6. Maturity
- 7. Other
- 8. Admins * ✓

*Required fields



Name (*)

Full Name of the Provider/Organisation offering Resources and acting as main contact point for the Resources.

Suggested length is 100 characters

Abbreviation (*)

Abbreviation or short name of the Provider.

Suggested length is 30 characters

Provider feedback

EOSC Portal in figures

EOSC Operations Portal

<https://opsportal.eosc-portal.eu/metricsEOSC/ECReport>

317 resources in EOSC Marketplace
 5296 visitors of EOSC Portal + MP
 19088 page views for EOSC Portal + MP
 1942 service orders
 824 unique users
 29 countries
 157 scientific disciplines

Snapshot taken on 25 April 2022

EOSC Portal Metrics			
Service and providers			
317	Number of services in the EOSC Marketplace	Total number at the report time	i
0	Number of request from providers about new service	Total number of services providers published during the period	i
Visitors and views			
5,296	Number of visitors of EOSC Portal + Marketplace	average/month	i
19,088	Number of page views for EOSC Portal + Marketplace	average/month	i
13,384	Number of unique page views for EOSC Portal + Marketplace	average/month	i
8,716	Number of unique page views for EOSC Portal	average/month	i
4,668	Number of unique page views for Marketplace	average/month	i
Top 10	EOSC Portal Visitors / country		i
	Italy, Germany, Spain, France, United Kingdom, United States, Belgium, Netherlands, Ukraine, Greece,		
Top 10	Marketplace Portal Visitors / country		i
	Poland, Italy, Germany, Ukraine, Spain, France, Netherlands, United Kingdom, Greece, Belgium,		
Service Order			
1942	Number of service orders	Total number of request created during the period	i
824	Number of unique users	Unique users making a request during the period	i
29	Number of countries	Number of countries requesting a service order during the period	i
	Italy, Poland, Andorra, Finland, N/A, Ukraine, France, Estonia, Spain, Germany, Netherlands, Hungary, Ireland, Switzerland, United Kingdom of Great Britain and Northern Ireland, Sweden, non-European, Romania, Portugal, Croatia, Greece, Belgium, Slovenia, Czech Republic, Norway, Austria, Bulgaria, Belarus, Serbia		
157	Number of scientific disciplines	Scientific Discipline associated to the service order	i
	Generic, Agricultural biotechnology, Humanities, History and archaeology, Computer sciences, Information sciences, Engineering and Technology, Educational sciences, Social Sciences, Mathematics, Computer sciences, Mathematics, Physical sciences, Electrical, electronic and information engineering, Arts, Animal		

EOSC Marketplace in figures

<https://marketplace.eosc-portal.eu>

223 Providers

317 Resources

52 Communities and Infrastructures

17 Defined target groups

Snapshots taken on 25 April 2022

The screenshot shows the EOSC Marketplace interface. At the top left is the logo for the European Open Science Cloud. A search bar is located at the top right. Below the search bar, there is a navigation menu with 'Resources' selected. The main content area displays a list of resources under the heading 'Resources'. The list includes a 'SUGGESTED' section with three items: APEER (Your customized image processing solution), Forschungsdaten.info (Forschungsdaten.info is the German-language information portal on research data management (RDM). The site ...), and Laniakea@ReCaS (Automatic deployment of virtual Galaxy environments for life science). Each item includes the organization name: Carl Zeiss Microscopy, Forschungsdaten.info, and ELIXIR Italy respectively.

Communities and infrastructures	Providers	Dedicated for
<ul style="list-style-type: none"> CSC Enterprise Geohazards Themat... Digital Science XDC EOSC-hub project 	<ul style="list-style-type: none"> Taylor & Francis DEEP-Hybrid-DataClo... CSIC Atlas of Living Australia ATMOSPHERE 	<ul style="list-style-type: none"> Researchers Providers Funders Students Businesses
→ We have 42 more Communities and infrastructures	→ You can find 218 more providers	→ And for 12 more other target groups



Thank you! Questions?

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onboarding@eosc-portal.eu