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User experiences with the EOSC Compute Platform after 9 months

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- Overview of the EOSC Cloud Compute project
- The community engagement in EOSC
 - The level of technical support
 - Statistics after 9 months
- Impact so far
- Outlooks
- References

Implement the **Compute Platform of the European Open Science Cloud** and contribute to the **EOSC Data Commons** by delivering integrated computing, platforms, data spaces and tools as an integrated solution that is **aligned with major European cloud federation projects and HPC initiatives.**

Start: January 2021

Duration: 30 months

Consortium: 33 participating partners, 23 third-parties

Budget: 12 Million EUR

Concept and methodology: Tier service architecture

Data Spaces and Analytics

Data and thematic data analytics and processing tools

Platforms

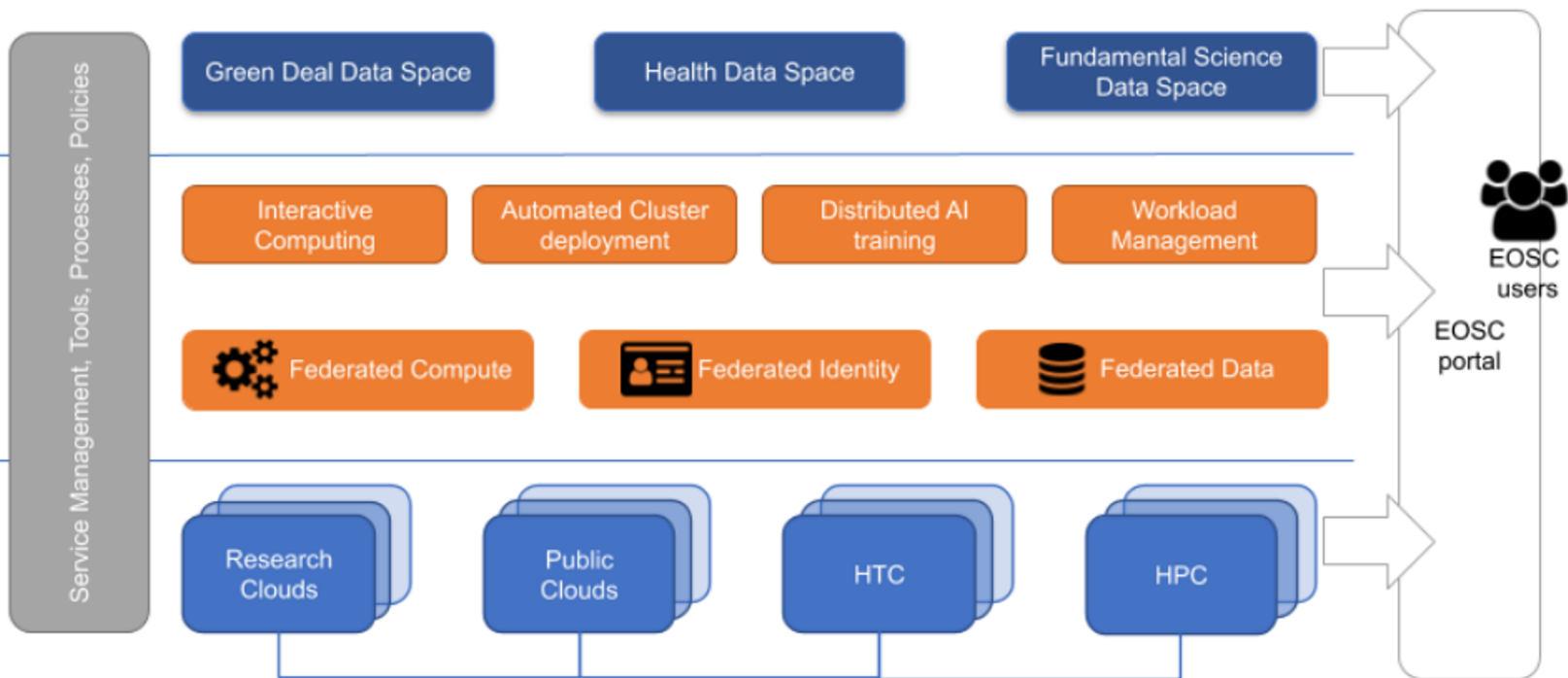
generic added-value platform level services

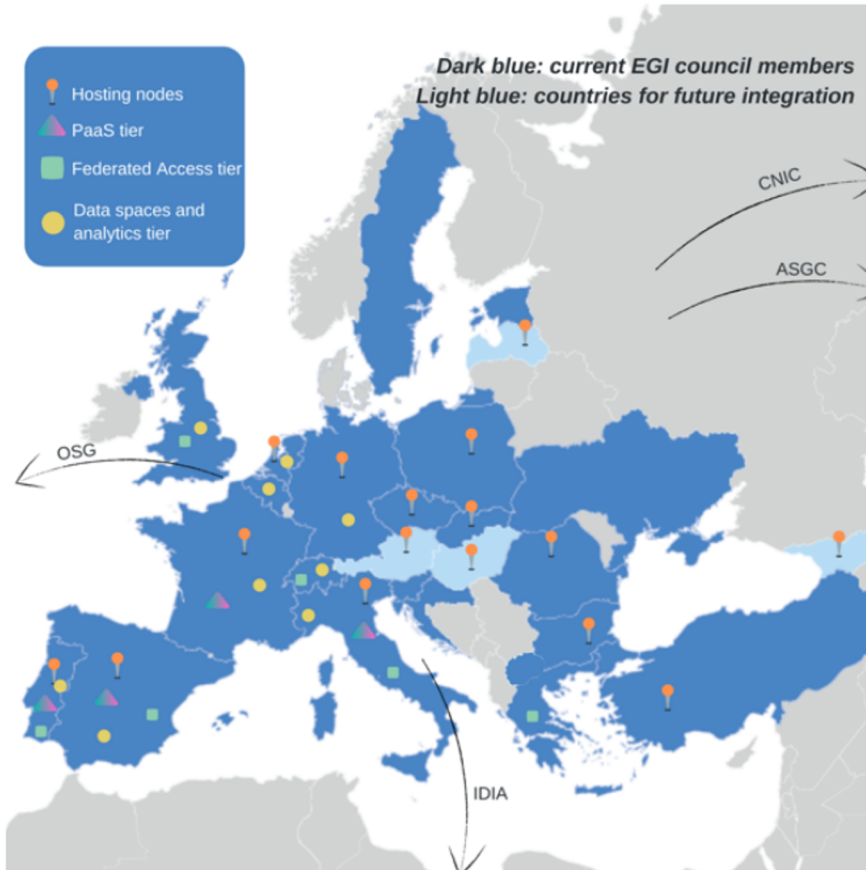
Federated Access

Federation-wide management of data and computing

Federated Resources

Compute and storage facilities

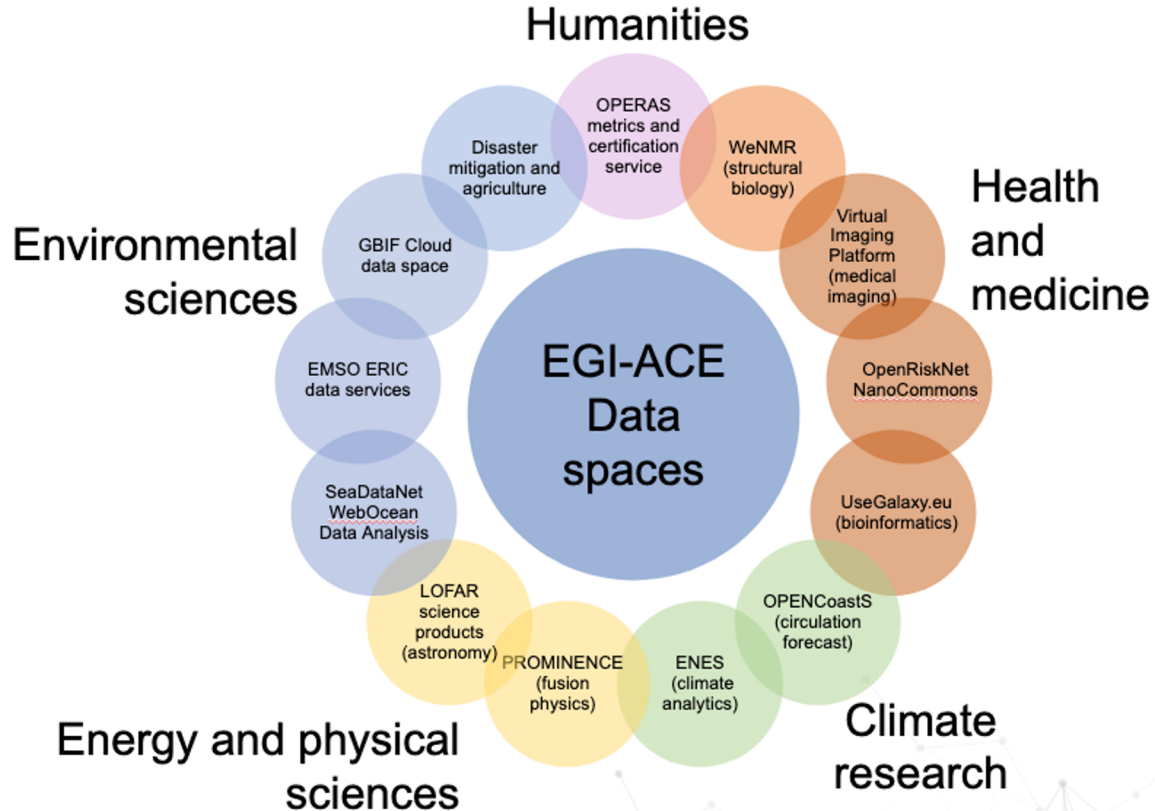




57% of the budget allocated service provisioning

- 16 partners to deliver cloud, HTC and HPC resources
- 12 user access and platform solution providers
- 21 providers from 13 communities to deliver data spaces
- 12 federation service providers
- EGI Foundation as coordinator

Communities in the consortium: Data Spaces, Early Adopters



Collaboration accross Boundaries - Workshop:
Data Spaces and Data Ecosystems in Practice,
20 October, 11:15 CEST

Communities engagement in EOSC

Single users
Small groups
Experimental users



Business-to-User

EOSC Portal

- Ready-to-use resources/services
- Self-service configuration
- Short term engagement

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

EOSC USERS

International projects
Multi-national communities



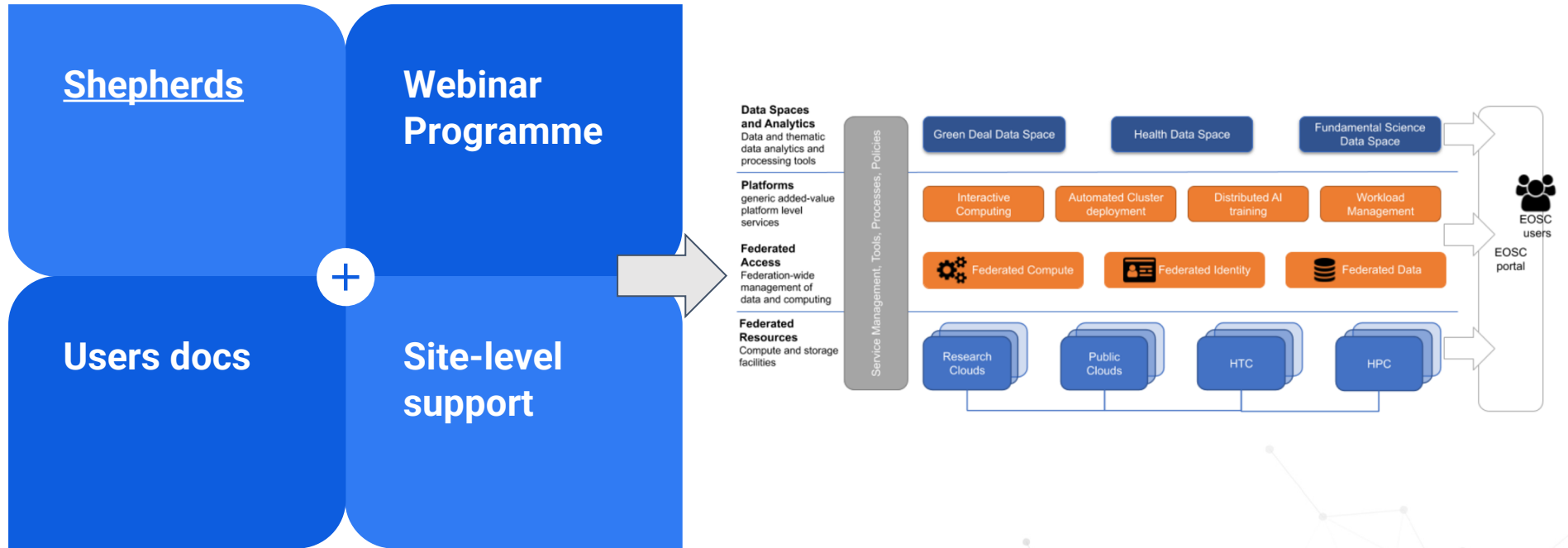
Business-to-Business

EGI-ACE Open Call

- High capacity demand
- Custom configurations
- Long term engagement

<https://www.egi.eu/projects/egi-ace/call-for-use-cases>

The level of support offered to EOSC users



- To facilitate the integration plans of the EGI-ACE use cases
- Monitor activities on a regular basis

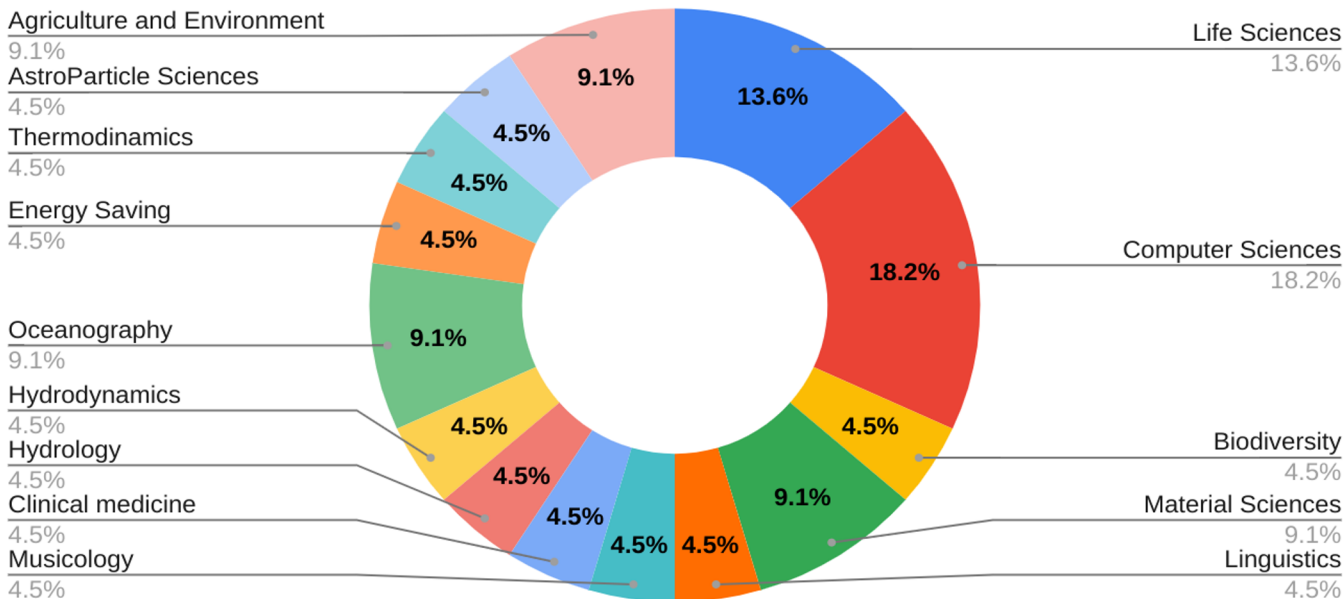


Shepherds' primary roles:

- **Act** as the sole contact points for the use cases during the engagement process.
- **Work** with the use case for carrying out the work plans and help with the identification of issues and solutions.
- **Propose** EOSC services/solutions to support the integration plans
- **Liaise** with the service and resource providers.
- **Report** progress/bottlenecks.

EGI-ACE Open Call: Statistics

EGI-ACE Applications distribution per scientific domains



4 cut-off dates
(since March 2021)

20
Applications

15 Use cases
Supported with
Virtual Access

2 Use cases
redirected to NGIs
(national funds)

3 Use cases
in discussion

- What works/worked well

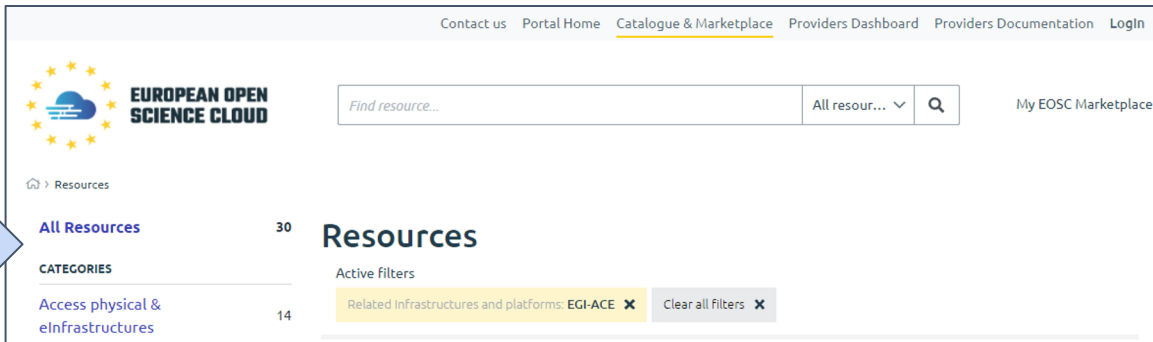
“The concept of shepherding has proven to be very useful for guidance the integration plan of the EGI-ACE use cases”

- What needs improvement/changes

“Better involvement of the partners to support use cases with national scope (without the EGI-ACE VA mechanism)”

- Several Data Spaces and Early Adopters are integrating EOSC services
- **2** Data Spaces are onboarding new services in the EOSC Portal (ENES, OPERAS)
- **1** use case is now a service in the EOSC Portal (AiiDALab)
- **1** use case is in the onboarding in EOSC (OpenBioMaps)
- **4** use cases managed to run workflows and execute pipelines in EOSC (Deltares, eHoney, FERMI-LAT data analysis, SARS2-CoV-2)
- **4** use cases started to set-up cloud-based services in the EOSC Compute Platform (Cos4Cloud, Deltares, Perovskite, BioISI)
- **3** use cases are using the EOSC Compute Platform to train AI/ML models (ARTICONF, MINKE, Perovskite)
- **2** use cases are setting-up VREs for serving their scientific communities (PLOCAN, MATRYCS)

**30 services from
EGI-ACE in
EOSC so far**



Find resource...

All resour... ▾ 🔍

My EOSC Marketplace

Resources

Active filters

Related Infrastructures and platforms: EGI-ACE ✕ Clear all filters ✕



Service Order Metrics

LIST **STATS PER MONTH** CHART

Selection : ☒ All ☐ EGI ACE Services

Search:

Boundaries : 2018-11-01 / 2021-10-15

CSV Excel

Service	2021												Total
	06	07	08	09	10	11	12	01	02	03	04	05	
EGI CLOUD COMPUTE	2	2	1		1		1	1	1	2	1	2	70
DEEPAAS TRAINING FACILITY	1	4	1	1	1								21
EGI NOTEBOOKS	1	2	2										21
B2DROP		2							2	1	1	1	19
EGI ONLINE STORAGE				1								1	15
B2HANDLE	1	1										1	14
ELASTIC CLOUD COMPUTE CLUSTER ...	1								1			1	13
B2SAFE													13
EGI CHECK-IN	1	3										1	12

**9 EGI-ACE service
among the top10
'most ordered'
EOSC service**

- 4 pilot HPC sites: CESGA, LIP, TUBITAK, IICT-BAS
- International and commercial cloud providers joining the federation
 - Activities already ongoing for T-Systems, CloudFerro, GRENA, IDIA
 - Expected to kick-off activities late 2021/early 2022: SZTAKI, Latvia, RENAM
- Set-up an e-Learning Platform (based on Moodle)
- User support bootcamps
 - Training + workshop + FitSM training for service providers
- Science Projects from the EOSC Future clusters:
 - ESCAPE, SSHOC, EOSC-Life, PaNOSC, ENVRI-FAIR

- EGI-ACE Open Call for use cases: <https://www.egi.eu/projects/egi-ace/call-for-use-cases/>
- EGI-ACE services in the EOSC Portal: https://marketplace.eosc-portal.eu/services?related_platforms=52
- Service Order Metrics: <https://opsportal.eosc-portal.eu/metricsEOSC/ServiceOrder>
- Webinar Programme: <https://www.egi.eu/webinars/>
- User's documentation: <https://docs.egi.eu/>



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Thank you for your attention.

Next cut-off date: 15th. December 2021

<https://www.egi.eu/projects/egi-ace/call-for-use-cases>



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