Project overview

Final Review meeting, 12/09/2023

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Head of Services, Solutions, Support @ EGI Foundation

Dissemination level: Public

Disclosing Party: Project Consortium

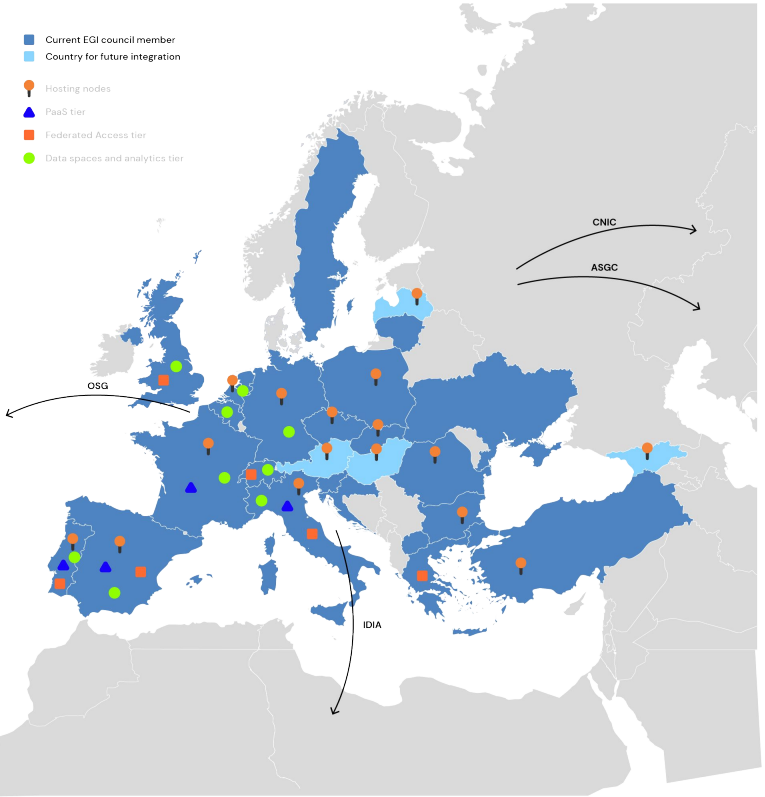
Recipient Party: European Commission

EGI-ACE receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 101017567.

Outline

- EGI-ACE mission and structure
- Project objectives - Key Exploitable Results
- Improvements following the feedback from the 1st review
- Highlights of achievements and impact
- Agenda of the day

Project overview



EGI Advanced Computing for EOSC
Grant agreement ID: 101017567

Budget:

- Total budget: € 12,009,988
- EC budget: € 8,000,000

Consortium:

- Coordinator - Stichting EGI
- 33 Partners, 24 third parties

Effort:

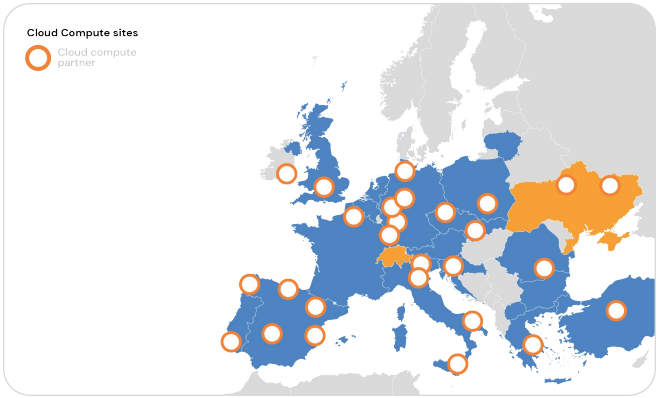
- 1488 PMs, 50 FTEs
- **49% VA** (35 services, 38 providers)

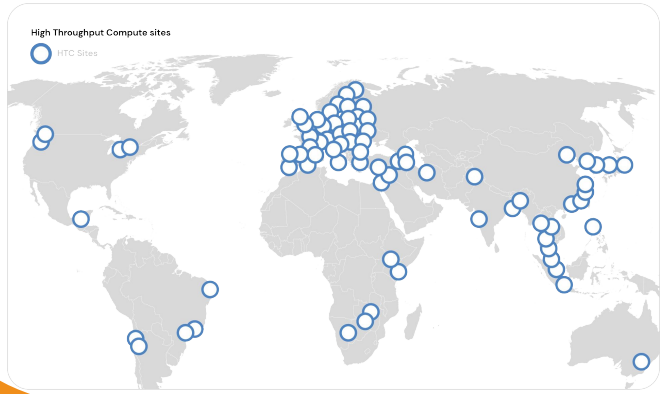
Duration:

- Jan 2021 - June 2023 (30 months)

Empowered by EGI

European e-infrastructure for scientific computing since 2010

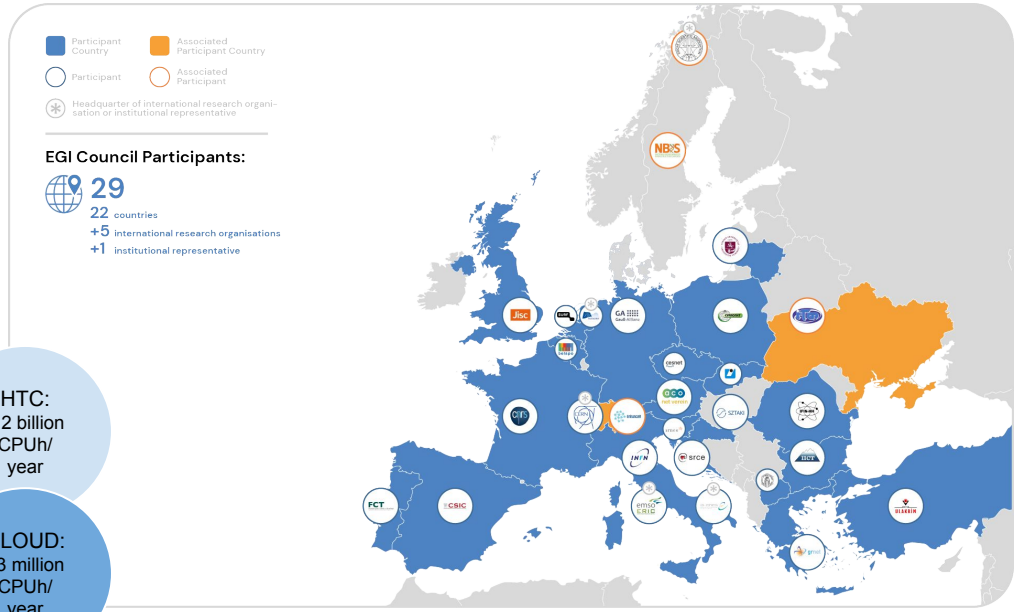




HTC:
5.2 billion CPUh/ year

CLOUD:
43 million CPUh/ year

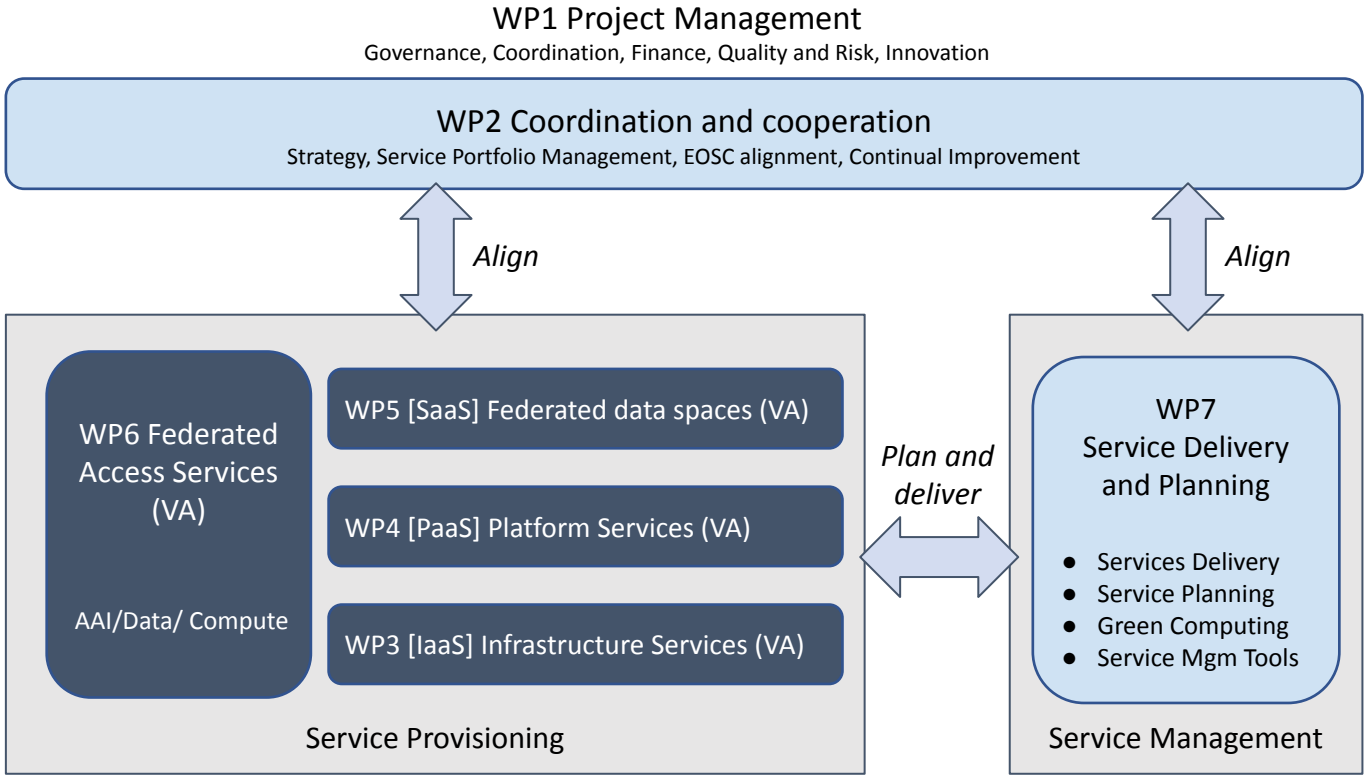
OVER 75.000 users



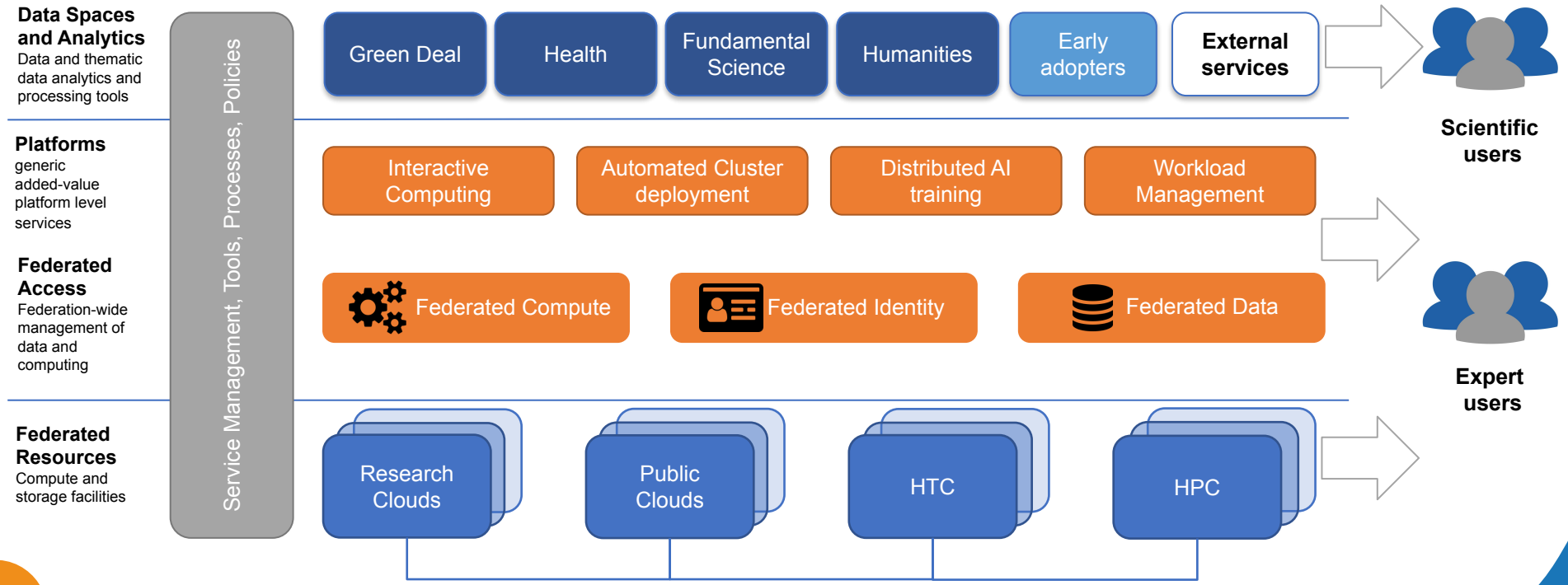
EGI-ACE mission

Implement the **Compute Platform of the EOSC** 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.

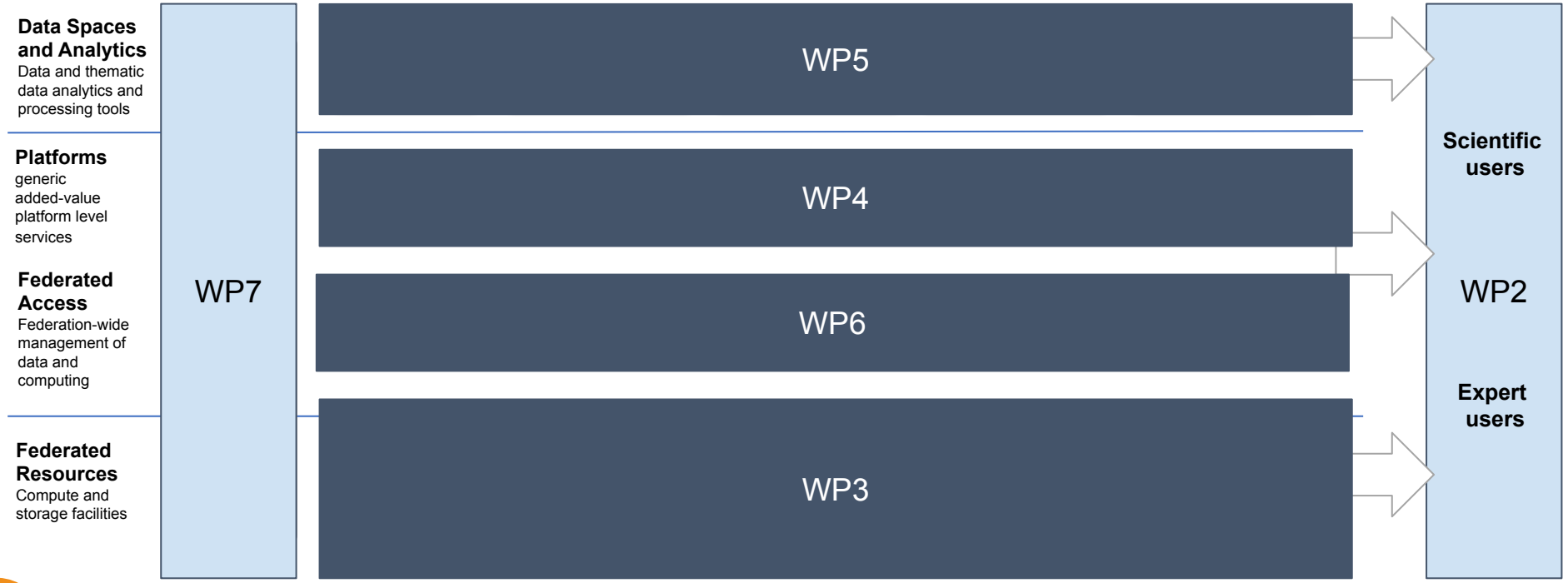
Work package structure



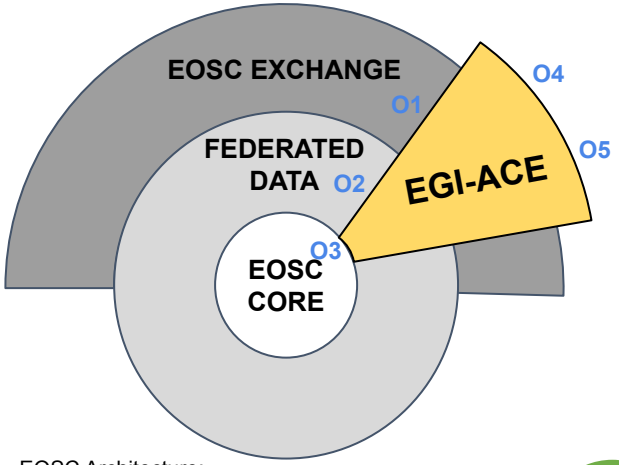
EGI-ACE tiered service architecture



EGI-ACE tiered service architecture



Project objectives - response to INFRAEOSC-07-2020(a1)

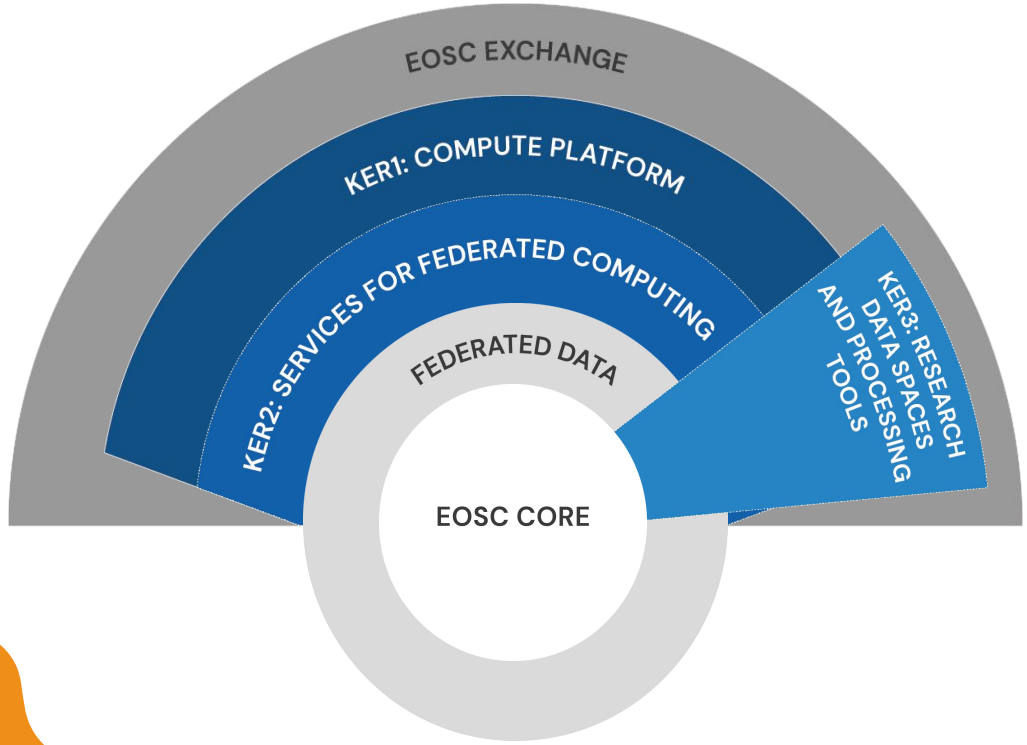


EOSC Architecture:
Solutions for a sustainable EOSC
(report from the EOSC Sustainability WG)

- **Deliver the European Open Science Cloud Compute Platform and expand the supply-side**
- **Contribute to the implementation of the EU Data Strategy and the EOSC Data Commons to support the Green Deal, Health and Fundamental Research**
- **Integrate the EOSC Compute Platform with the EOSC Portal and the EOSC Core**
- **Contribute to the realization of a global Open Science Cloud**
- **Expand the demand-side of EOSC across sectors and disciplines**

Key Exploitable Results

Can be taken up, exploited and reused to support Open Science



KER 1: 102 million CPUh for 108 communities
11:15-12:00

KER 2: 71 services delivered in EOSC
12:00-12:45

KER 3: 104,000 users served
14:00-14:45

Single users
Small groups (Long tail)
Experimental users

International projects
Multi-national communities
Research Infrastructures

EOSC USERS

Business-to-User

Business-to-Business

EOSC Portal

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

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

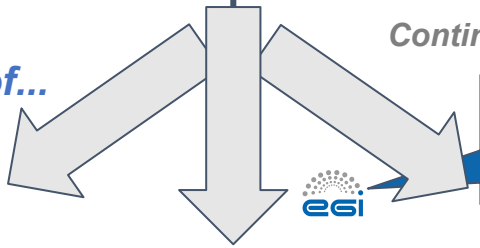
EGI-ACE Open Call

- High capacity demand
- Custom configurations
- Long term engagement

https://www.egi.eu/egi-ace-open-call/

Continuously open, Cut-off dates every 2 months

Serving with the use of...



72m CPUh
285k GPUh
28k TB-months

EGI-ACE VA funds

Local funds
(institutional/national investments)

+30m CPUh!

External project funds

Feedback from the 1st review

“EGI-ACE has successfully established an infrastructure for data- and compute-intensive free-at-point-of-use services for research communities, which are delivered in the scope of the EOSC ecosystem.”
”the project demonstrated good quality work in line with the project plan and objectives with minor deviations.”

Rec 1 - **Better capture and communicate project added value:**	Foreground/background structured (and documented in D1.6) Added value for the users - 24 success stories to Website Baseline is captured in all VA deliverables
Rec 2 - **Benchmark the implementation of use cases**:	Built better costing of time & resources needed for the use cases ● Helped in final budget reassignments ● Helped in sustainability planning
Rec 3 - **Make data space achievements visible on the Data Spaces landscape**:	Participated in the OpenDEI Task Force Published [Check-in, DataHub, ITSM] in the IDSA catalogue of Data Spaces building blocks Publishing ENES data space on the IDSA Data space radar
Rec 4 - **Strengthen Green Computing activities**:	Task Force was set up as a “think tank” to capture status and track improvement 9 → 14 providers monitor GC metrics (~Power Usage Effectiveness); 3 → 9 providers has GC roles Action list was turned into a new project, to start in March 2024 with (DIGIT) ESFRIs
Rec 5 - **Define learning paths through training courses**	Training materials have been structured into 4 different level courses on docs.egi.eu *AND* are catalogued in the EOSC Portal
Rec 6 - **Improve document quality**:	Standard was enhance and enforced to improve quality: templates updated (consistent format, ToC, page number), authors were requested to adopt a consistent way of using reference: information and caption of figures, graphics, tables. Statistics and metrics are used with reference
Rec 7 - **Make recommendations actionable**:	Turned mid-term recommendations SMART and renamed them as Strategic Priorities Wrote an advisory document for the EC (as consultation input for the EOSC Procurement) Prepared final recommendations with validation at EGI’23

77K
144
44
5
7
30
8
189
EGI-ACE

09:15 → 09:45	**Project overview** ▪ Overview of EGI-ACE ▪ Agenda for the day **Speaker**: Gergely Sipos (EGI.eu)	30m	
09:45 → 10:30	**Project management and finance** ▪ Project Management ▪ Finance ▪ Quality and Risk Management **Speaker**: Hien Bui	45m	
10:30 → 10:45	Coffee break	15m	
10:45 → 11:15	**Innovation Management and User Support** **Speaker**: Smitesh Jain (EGI.eu)	30m	
11:15 → 12:00	**Key Exploitable Result 1: The EOSC Compute Platform + Demo** **Speaker**: Enol Fernandez (EGI.eu)	45m	
12:00 → 12:45	**Key Exploitable Result 2: Services enabling federated computing in EOSC + Demo** **Speaker**: Alessandro Paolini (EGI.eu)	45m	
12:45 → 14:00	Lunch break	1h 15m	
14:00 → 14:45	**Key Exploitable Result 3: Research data spaces and processing tools for EOSC + Demo** **Speaker**: Giuseppe La Rocca (EGI.eu)	45m	
14:45 → 15:30	**Project's Impacts and Uptake** **Speaker**: Smitesh Jain (EGI.eu)	45m	
15:30 → 16:15	**The way forward** **Speaker**: Sergio Andreozzi (EGI.eu)	45m	
16:15 → 16:30	**Final message** **Speaker**: Gergely Sipos (EGI.eu)	15m	
16:30 → 17:00	Post-Review meeting between the Project Officer and the Experts	30m	
17:00 → 17:30	**Feedback session**	30m	

Thank you!

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Website: **www.egi.eu/projects/egi-ace**

EGI Foundation

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