EOSC Compute Platform
Status and Way Forward

Smitesh Jain, Innovation Management Specialist, EGI Foundation
Giuseppe La Rocca, Community Support Lead at the EGI Foundation
Christian Pagé, Research Engineer and Project Management, CERFACS
József Kovács, Senior Research Fellow, SZTAKI
Hakan Bayındır, Senior Researcher, TUBITAK ULAKBIM

EOSC Symposium - 14-17 November 2022, Prague
Outline of this session

● Project overview
  ○ Smitesh Jain, Innovation Management Specialist, EGI Foundation

● User engagement and impact
  ○ Giuseppe La Rocca, Community Support Lead, EGI Foundation

● User experience stories:
  ○ *Building a Climate indices dataset for climate change impacts assessment*
    ■ Christian Pagé Research Engineer and Project Management, CERFACS
  ○ *Bring-your-own-resources: How the NEANIAS project became compatible with EGI computing services and introduced a new resource utilization approach*
    ■ Jozsef Kovacs, Senior Research Fellow, SZTAKI

● HPC services in the EOSC Compute Platform
  ■ Hakan Bayındır, Senior Researcher, TUBITAK ULAKBIM
User engagement and impact

Giuseppe La Rocca, giuseppe.larocca@egi.eu
Community Support Team Lead. at EGI Foundation

EOSC Symposium - 14-17 November 2022, Prague
Sustainable Open Science environments

EOSC USERS

Business-to-User

- Single users, small groups (Long tail)
- Experimental users
- EOSC Portal
  - Ready-to-use resources/services
  - Self-service configuration
  - Short term engagement

Business-to-Business

- International projects
- Multi-national communities
- Research Infrastructures
- 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...

- Local funds (institutional/national investments)
- Customer ‘pay-for-use’
  - EC Virtual Access funds
  - 35 services
  - 80 million CPUh
  - 250,000 GPUh
  - 20 PB storage

EOSC Symposium - 14-17 Nov. 2022
14/11/2022
Scalable, distributed user support

Shepherds
- Technical experts who are assigned to the use cases
- Responsibility:
  - **Manage** the implementation of the use case,
  - **Monitor** the Use Case status and potential problems, and
  - **Report** about achievements, lessons learnt and other outcomes.

Competence Centres
- Scalable and distributed structure
- Brings the right expertise for each use case
  - Service and resource providers
  - Technical experts, and
  - Observer parties
Allocating services and resources

Users’ representative

Regular satisfaction interviews

Ensure satisfaction, capture achievements, record feedback

Type, number, size, cost, availability, etc.

Service Level Agreement

Operation Level Agreement

Ensuring that agreed targets are met

Negotiator

Instance requirements

Conditions

Foundation

Federation

Storage provider

Applic. provider

HTC provider

Cloud provider

Training

Support

Regular service delivery reports

Ensuring satisfaction, capture achievements, record feedback

14/11/2022

EOSC Symposium - 14-17 Nov. 2022
Num. of requests/use cases supported by EGI-ACE

- 42 applications
- 113 Service Orders
Break-down of scientific disciplines

- **Life Sciences**: 23.8%
- **Environmental Sciences**: 31.0%
- **Engineering and Technology**: 21.4%
- **Physics and Astronomy**: 16.7%
- **Social Sciences and Humanities**: 4.8%
- **Multidisciplinary**: 2.4%

Total = 42
Type of use cases received

- Research Infrastructure: 2.4%
- SME: 4.8%
- Research Organization: 16.7%
- H2020 Project: 26.2%
- Long tail of Science: 50.0%

Total = 42
Impact of user engagement in EGI-ACE

- **42** Applications received
- **38** Applications supported
- **20M** Cloud and HTC CPU/h allocated
- **3** New Platforms in EOSC
- **113** SOs served via the EOSC Portal Marketplace

- **5** User events organized by the EGI-ACE use cases
- **22** Scientific publications
- **1** use case published in the EOSC Future magazine
- Synergy established with the RELIANCE and EOSC Future projects
Experiences and the Future of the EOSC Compute Platform

*Smitesh Jain,* Innovation Management Specialist, EGI Foundation

*Tiziana Ferrari,* Director, EGI Foundation

*Christian Pagé,* Research Engineer and Project Management, CERFACS

*József Kovács,* Senior Research Fellow, SZTAKI

*Hakan Bayındır,* Senior Researcher, TUBITAK ULAKBIM

EOSC Symposium - 14-17 November 2022, Prague
Thank you!

Contact: egi-ace-po@mailman.egi.eu
Website: www.egi.eu/projects/egi-ace

EGI Foundation

@EGI_eInfra