



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



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

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*
 - Chrisitan 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

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Sustainable Open Science environments



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...

Local funds
(institutional/national investments)

EC Virtual Access funds

Customer 'pay-for-use'

35 services
80 million CPUh
250,000 GPUh
20 PB storage

Scalable, distributed user support



EUROPEAN OPEN
SCIENCE CLOUD



Open Call



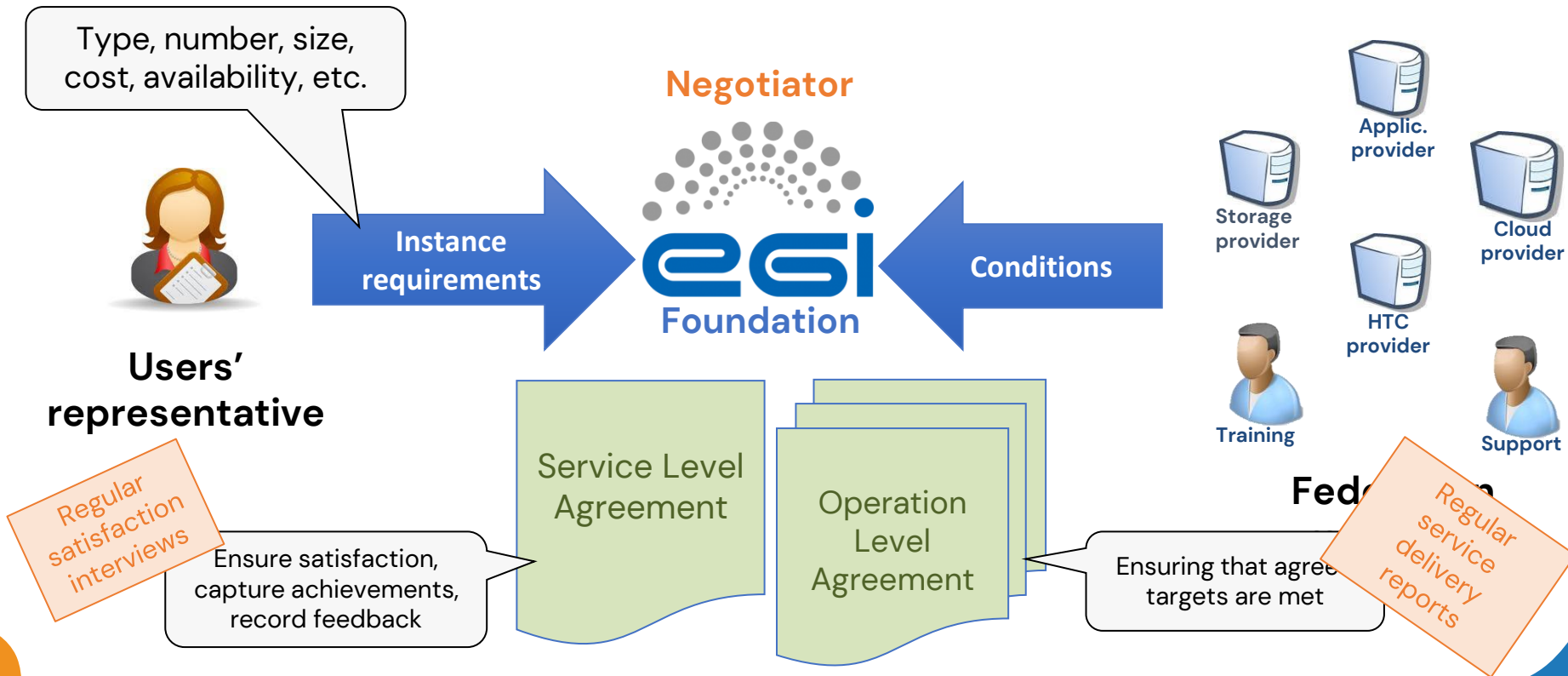
Shepherds

- 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.

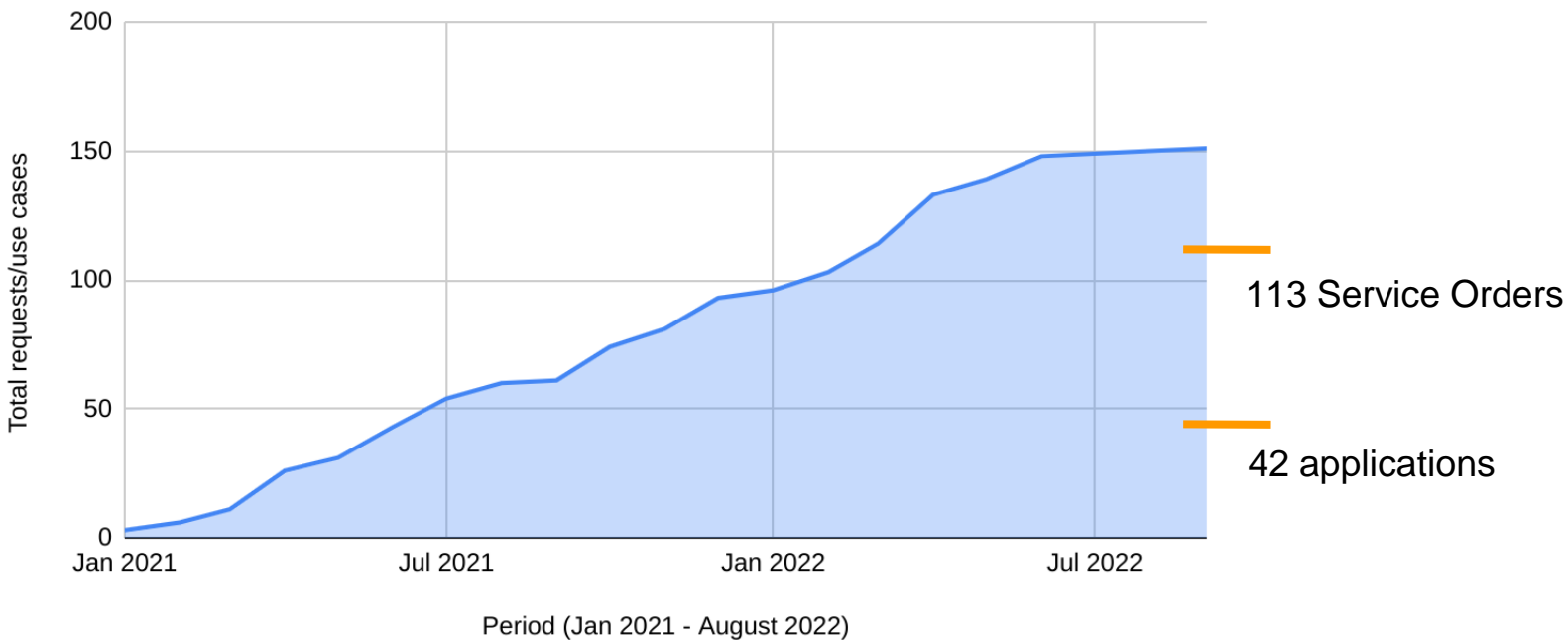
Competence Centres

- 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



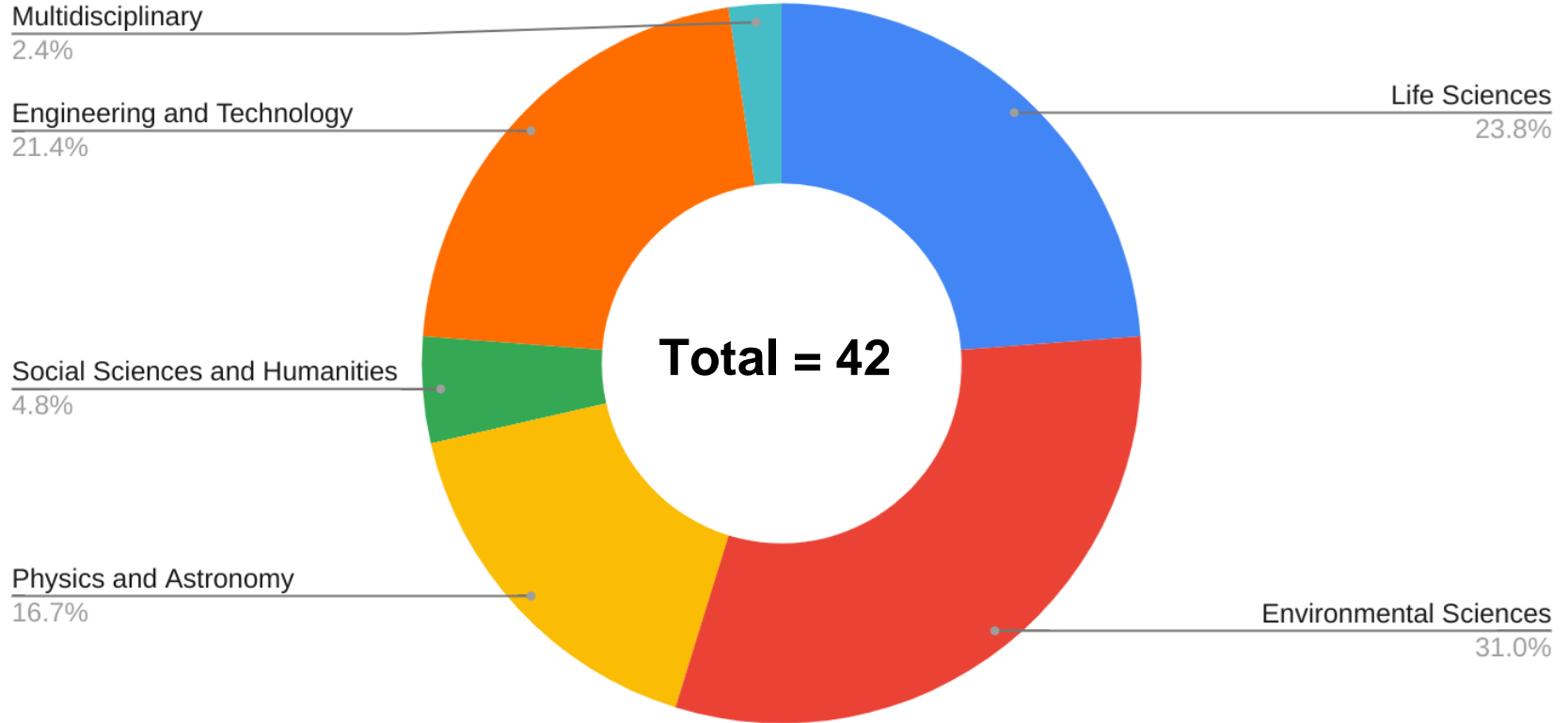
Num. of requests/use cases supported by EGI-ACE



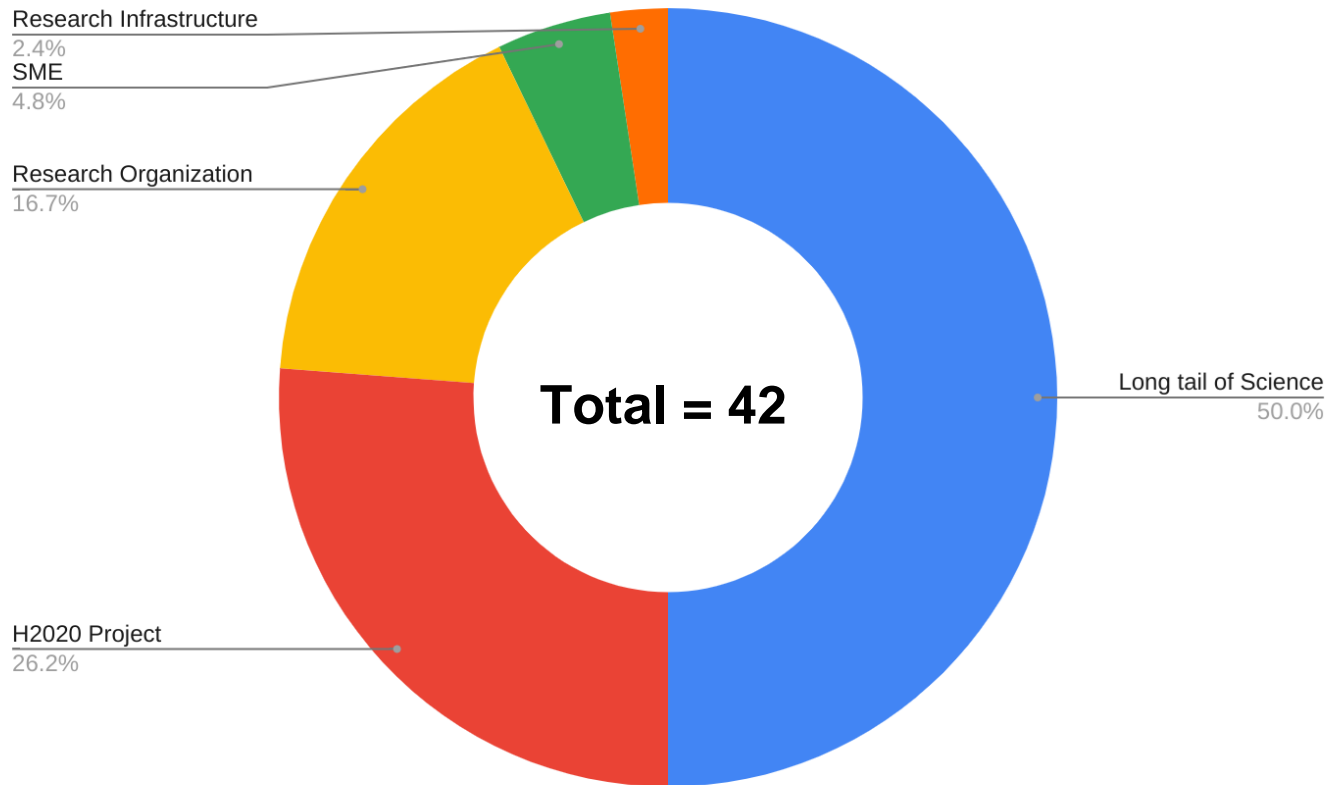
**EUROPEAN OPEN
SCIENCE CLOUD**



Break-down of scientific disciplines



Type of use cases received



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
Marketplac



- **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

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Thank you!

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