EOSC status & perspectives

eInfrastructures & Science Cloud
EC DG CONNECT
What is the EOSC?

- A trusted open virtual environment offering every European researcher the possibility to access and reuse publicly funded research data and services, across disciplines and borders
- Accessible through the universal gateway of EOSC Portal
- Inclusive, free at the point of use for the researchers.

Why the EOSC?

- Empower 1.7 million European researchers to reap the benefits of data-driven science
- Enable Open Science and the digital transformation of science
- Leverage investments in data infrastructures for scalability, interdisciplinarity, innovation; reduce fragmentation
- Strengthen research data management practices in Europe
- Unlock the big data value to achieve the goals of the Digital Single Market Strategy.
Where we are (RTD & CNECT):

- Vision
- Roadmap
- Political support
- Targeted resourcing
- Communities at work
- Prototype Portal
- Governance 2019-2020
Where we are (RTD & CNECT):

- Portal development
- New services, new users
- Governance and policy

- Portal integration & consolidation: INFRAEOSC-03-2020
- Enhancing the user experience: INFRAEOSC-06-2019
- Access to commercial services: INFRAEOSC-01-2018
- Connecting ESFRI infrastructures: INFRAEOSC-04-2018
- Coordination of national initiatives: INFRAEOSC-05-b-2018-2019
- Prototyping new services for new users: INFRAEOSC-02-2019
- Increasing the service offer: INFRAEOSC-07-2020
- EOSC coordination structure
- FAIR Data uptake and compliance: INFRAEOSC-05-a-c-2018

H2020 INFRAEOSC Calls 2018-2020 > 250 Mio €
Next steps: INFRAEOSC-03-2020

Integration and consolidation of the existing pan-European access mechanism to public research infrastructures and commercial services through the EOSC Portal

**Challenge:**

- Strengthen the EOSC Portal for an increasing portfolio of high quality standard compliant and interoperable services;
- Reinforce the EOSC Marketplace as the access channel to integrated, composable and reliable services;
- Attract more users, within the research community and beyond;
- Ensure its long-term sustainability taking into account the governance frameworks.

**Scope:**

- a) Operation, maintenance and enhancement of the EOSC Portal (the website, the catalogue of services and the marketplace)
- b) Fostering and enabling secure service composability
- c) User enhanced experience using Artificial Intelligence (AI) techniques
- d) Widening the EOSC user base
- e) Widening the service offer with commercial services
- f) Support activities: Outreach and skills & Support to RDA’s contribution to the EOSC.

**Type of Action:** RIA

**Budget:** 40,9 Meuro

**Submission opening:** 19/11/2019

**Submission deadline:** 22/04/2020
Next steps: INFRAEOSC-07-2020
Increasing the service offer of the EOSC Portal

Challenge:
- Scale up the EOSC Portal;
- Set-up a model for interaction between service providers and the EOSC Portal operators through pan-European e-infrastructure entities, based on transparency and effectiveness of cost compensation..

Scope:
- Proposals should build on the competences of pan-European e-Infrastructures to ensure multidisciplinary research and synergies with national and regional programmes.
- Proposals should clearly identify one and only one of the following areas:
  1. Distributed and cloud computing resources
  2. Data services
  3. Services supporting scholarly communication and open access
  4. Above the net services (added-value applications/services to enable users to interact, communicate and collaborate in heterogeneous/distributed federated environment
  5. Services and resources from non-research public sector data providers
  6. Additional research enabling services (not described in 1-5).

Type of Action: RIA
Budget: 24 Meuro
Next steps: MFF 2021-2027

- Strategy for Digital Infrastructures
- EOSC & European, national, regional and institutional resources
- Legal structure, business model, sustainability of EOSC
- Connectivity & High Performance environment
- Standardization and Certification
- Cross-fertilization of data and services
- Next generation of data services
- Widening the EOSC user base to public sector and industry
- Creation of market opportunities for data services
- Research-market collaboration through digital infrastructures
- Data-driven innovation
- Incentives for sharing data
- International collaborations
- ......
Upcoming events:

• **ICT Proposers Day: Helsinki, 19-20/09/2019**
• EOSC at the Open Science FAIR: Porto, 16-18/09/2019
• EOSC day at RDA: Helsinki, 22/10/2019
• EOSC Symposium: Budapest, 26-28/11/2019
• Events organised by EOSC-related H2020 projects [https://www.eosc-portal.eu/media/events](https://www.eosc-portal.eu/media/events)

Consultation of ESOC Executive Board:
Check on: [https://www.eoscsecretariat.eu/news-events-opinion](https://www.eoscsecretariat.eu/news-events-opinion)
Thank you