



EOSC co-creation process, recent developments & funding

Info day on EOSC: State of play

Prague, 2 December 2019

**European Commission, Directorate General Research & Innovation (DG RTD)
Pilar Ocón Garcés, Policy Officer , RTD.G4 Open Science**

Science in transition

Open Science means sharing knowledge and tools as early as possible, not only between researchers and between disciplines, but also with society at large.



Enabling change

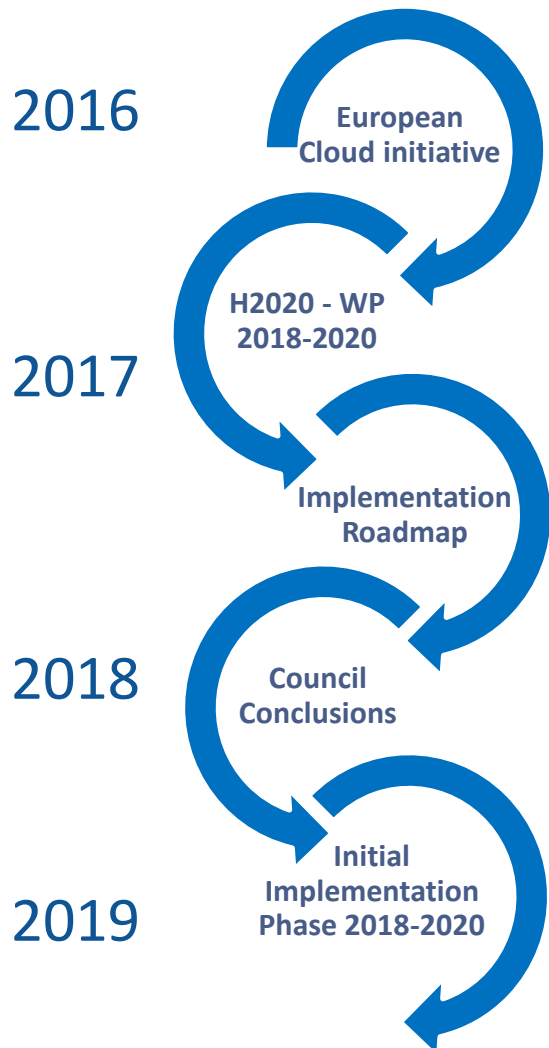
- EU Funded programmes (from Horizon 2020 to Horizon Europe)
 - **Open access to publications**
 - **Open data and FAIR**
- Policy measures
 - **Recommendation on access to and preservation of scientific information (revised in 2018)**
- Data infrastructures and services
 - European Open Science Cloud**

Common EOSC vision

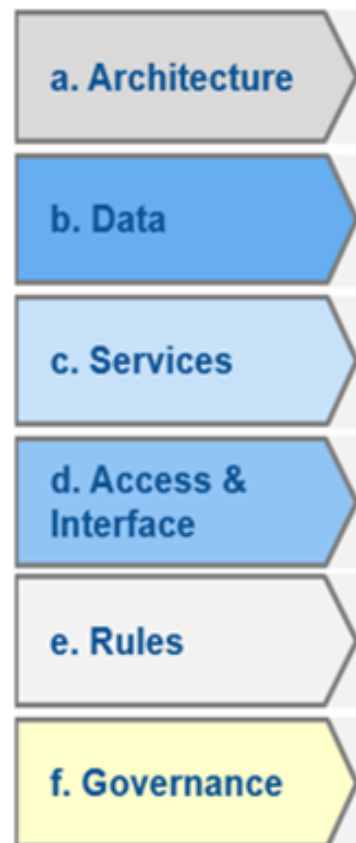
**A trusted environment for the European scientific community
providing seamless access to research data and interoperable services
addressing the whole research data life cycle.**

- ✓ Not a « project from Brussels » but a community-driven process
- ✓ Enable Open Science and the digital transformation of science; enable interdisciplinary research to address societal challenges
- ✓ Empower 2 million European researchers to reap the benefits of data-driven science
- ✓ Reduce fragmentation by federating existing Research Infrastructures (including e-Infrastructures)
- ✓ Strengthen research data management practices in Europe; help developing an internet of FAIR Digital Objects
- ✓ Enable the Digital Single Market and stimulate the emergence of a competitive EU cloud sector

EOSC is a process initiated in 2016



- Vision
- EOSC roadmap
- Political support
(Council conclusions of May 2018)
- Targeted resourcing
(Horizon 2020 INFRAEOSC Calls 2018-2020)
- Communities at work
(EOSC 'Coalition of Doers')
- Prototype Portal
- Governance 2019-2020



On the way towards strategic orientations for EOSC post-2020

Launch of the EOSC – Vienna, 23/11/18



The Vienna Declaration on the European Open Science Cloud

Vienna, 23 November 2018

e 2 0
u 1 8
• a t

Co-creation using a multi-stakeholder EOSC governance model (2019-2020)

Advise on / inform
the implementation

Steer
the implementation

Contribute to
the implementation

Stakeholder Forum

Users, Service Providers,
Public sector, Industry,
SMEs, etc.

Governance Board

MS/AC delegates and the
European Commission

Proposes
Monitors
Reports

Reviews
Endorses
Orients

Working Groups

WG

WG

WG

WG

Executive Board

European stakeholder organisations
and individual experts

Interact

EU-funded projects

Nationally-funded projects
and initiatives

Other projects and
initiatives

Extended Coalition
of Doers

Supports

Supports

Supports/
coordinates w.

EOSCSecretariat.eu
Coordination and Support Action

Co-creation through wide consultations



EOSC Stakeholders Forum
A Community-empowered EOSC

November 21/22 - 2018, Vienna, Austria

Co-creation by H2020 consortia

**Portal
development**

INFRAEOSC-06-2019

Enhancing the user experience

INFRAEOSC-03-2020

Portal integration & consolidation

INFRAEOSC-01-2018

Access to commercial services

INFRAEOSC-04-2018

Connecting ESFRI infrastructures

INFRAEOSC-05-b-2018-2019

Coordination of national initiatives

INFRAEOSC-02-2019

Prototyping new services for new users

INFRAEOSC-07-2020

Increasing the service offer

**New services
new users**

**Governance
and policy**

INFRAEOSC-05-a-c-2018

- EOSC coordination structure
- **FAIR Data uptake** and compliance



Key issues by the end of 2020

- Governance model and best fit legal vehicle for operations after 2020; possible Horizon Europe Partnership
- Financing model(s) to sustain EOSC infrastructure and services
- Rules of participation that will govern future EOSC transactions
- Turning FAIR principles into practice
- Involving the research communities and widening the EOSC user base
- Role of the private sector
- EOSC in the international context

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

Submission opening: 19/11/2019
Submission deadline: 22/04/2020

Thank you for your attention