



Open Science policy

BE OPEN 1st event

Dublin

11/10/2019

Anette Björnsson
dHoU Open Science, DG RTD

Open Science = Systemic transition of science system which affects the way

- research is performed
- knowledge is shared/diffused/preserved
- research projects/results are evaluated
- research is funded
- researchers are rewarded
- future researchers are trained

Affecting the whole research cycle and all its stakeholders



European Open Science Agenda

- ✓ Broad consensus on five policy lines and 8 Actions
- ✓ Open Science Policy Platform
- ✓ Embedded in the Digital Single Market strategy



Holistic Policy Agenda: scope & ambitions

... 4 with regard to the use & management of research results and data

- ✓ **Open Data:** FAIR data sharing is the default for funding scientific research
- ✓ **Science cloud:** All EU researchers are able to deposit, access and analyse European scientific data through the open science cloud, without leaving their desk
- ✓ **Altmetrics:** Alternative metrics (next generation metrics) to complement conventional indicators for research quality and impact (e.g. Journal Impact Factors and citations)
- ✓ **Future of scholarly communication:** All peer reviewed scientific publications are freely accessible



... 4 with regard to relations with research actors (researchers, institutions and funders)

- ✓ **Rewards:** The European research career evaluation system fully acknowledges Open Science activities
- ✓ **Research Integrity:** All publicly funded research in the EU adheres to commonly agreed Open Science Standards of Research Integrity
- ✓ **Education and skills:** All young scientists in Europe have the necessary skills and support to apply Open Science research routines and practices
- ✓ **Citizen Science:** CS significantly contribute and are recognised as valid knowledge producers of European science



Open access to publications

- Implement Plan S
- Increasing uptake to 100% in Horizon 2020 (incentives, 'sanctions')

Open access and research data

- Launch of EOSC in 2018, implementation the next two years
- The Data Management Plans
- Mainstreaming FAIR data across the FPs
- Stimulating a change in scientific culture

Citizen Science

- General agreement on uptake

Metrics and Incentives

- Next generation metrics



Recommendation on access to and preservation of scientific information

Copyright Directive

Directive on the reuse of Public Sector Information

Model Grant Agreement for Horizon 2020 article 29

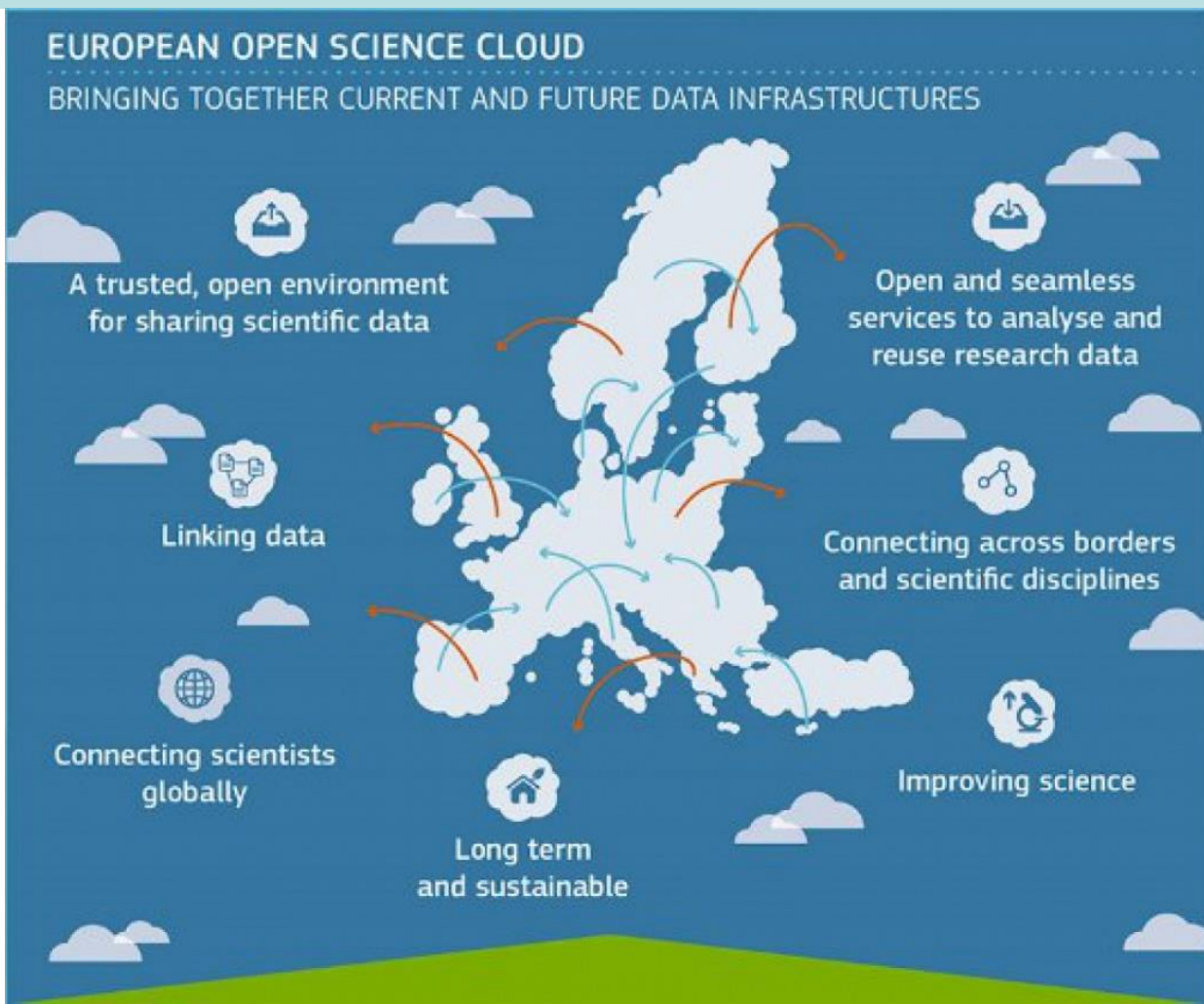


European Open Science Cloud

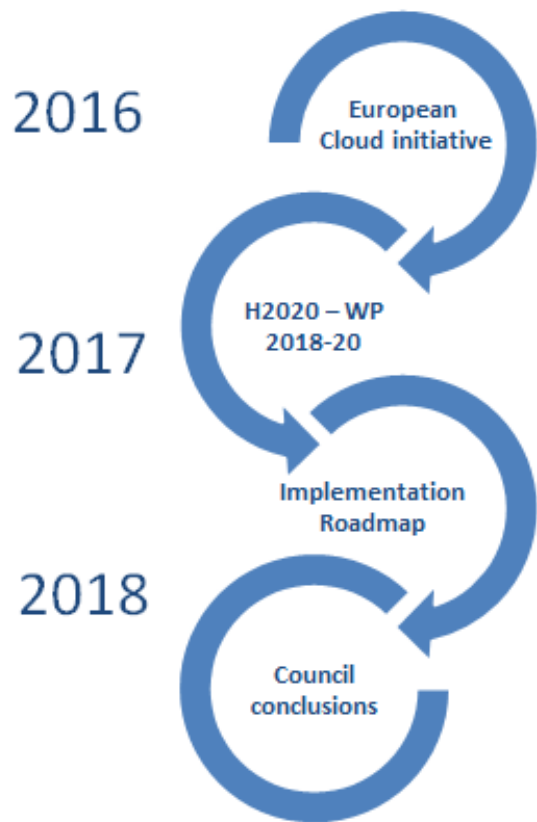
Why the EOSC? What is EOSC?

Enabling the digital transformation of research: towards more of data-intensive, collaborative and cross-disciplinary science

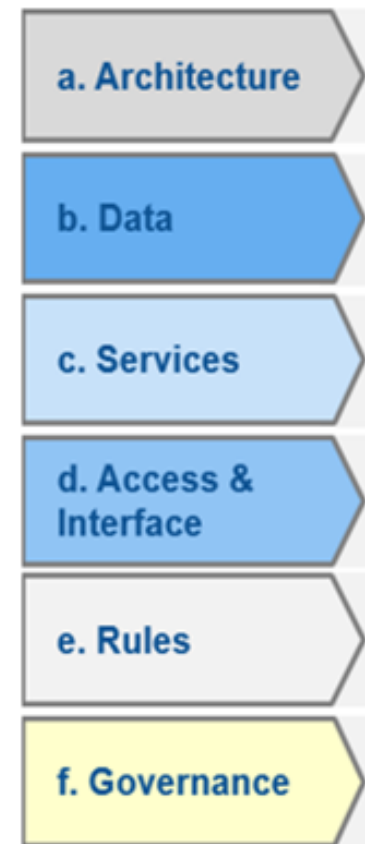
EOSC will provide 2 million EU researchers and innovators with a service environment for research data management, analysis and re-use across disciplines, increasing the creativity, productivity and reproducibility of research



EOSC achievements in 2016-2018



- Vision
- EOSC roadmap
- Political support
- Targeted resourcing
- Communities at work
- Prototype Portal
- Governance 2019-2020



The Vienna Declaration on the European Open Science Cloud

Vienna, 23 November 2018

e 2 0
u 1 8
• a t

H2020 dedicated activities to prototype the EOSC

**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**

INFRAEOSC-05-a-c-2018

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

**Governance
and policy**



EOSC governance in 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

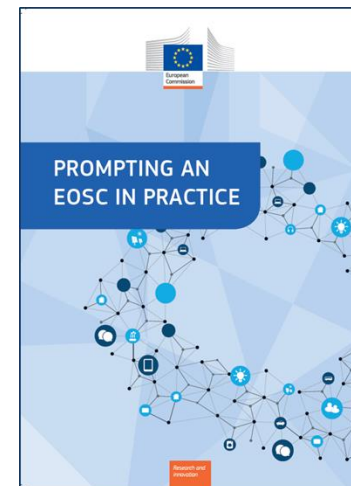
Supports

Supports/
coordinates w.

EOSCSecretariat.eu
Coordination and Support Action

Key issues by end of 2020

- ✓ Possible Horizon Europe **Partnership?**
- ✓ **Legal vehicle** for operations after 2020
- ✓ **Financing model(s)** to sustain EOSC infrastructure and services
- ✓ **Involving the research communities** and widening the EOSC user base; turning **FAIR** principles into practice
- ✓ Aggregating **procurement?**
- ✓ Need for **certification?**
- ✓ Role of the **private sector**
- ✓ EOSC in the **international context**



Thank you!

More information at

<http://ec.europa.eu/research/openscience>

OS monitor

<http://ec.europa.eu/research/openscience/monitor/>