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The European Open Science Cloud

- latest developments through the eyes of a member of the Governance Board (EOSC Working Group)-

Stefan Hanslik
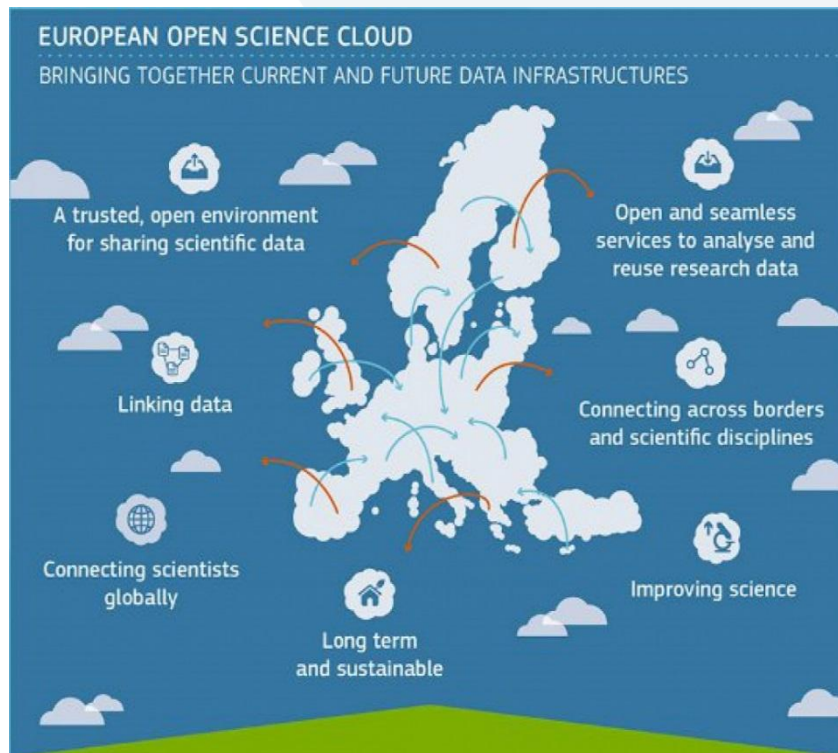Head of Unit-Technical Science
Venice, 3. April 2019

EOSC-The European effort

EOSC will provide **1.7m EU researchers** an environment with free, open services for data storage, management, analysis and re-use across disciplines

EOSC will join existing and emerging horizontal and thematic data infrastructures, **bridging todays fragmentation and ad-hoc solutions**

EOSC will add value and leverage past infrastructure investment (10b per year by MS, two decades EU investment)

EUROPEAN OPEN SCIENCE CLOUD
BRINGING TOGETHER CURRENT AND FUTURE DATA INFRASTRUCTURES

A trusted, open environment for sharing scientific data

Open and seamless services to analyse and reuse research data

Linking data

Connecting across borders and scientific disciplines

Connecting scientists globally

Long term and sustainable

Improving science

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EOSC-The European effort

"Europe's final transition must be one from fragmented data sets to an integrated European Open Science Cloud. By 2020, we want all European researchers to be able to deposit, access and analyse European scientific data through a European Open Science Cloud…"
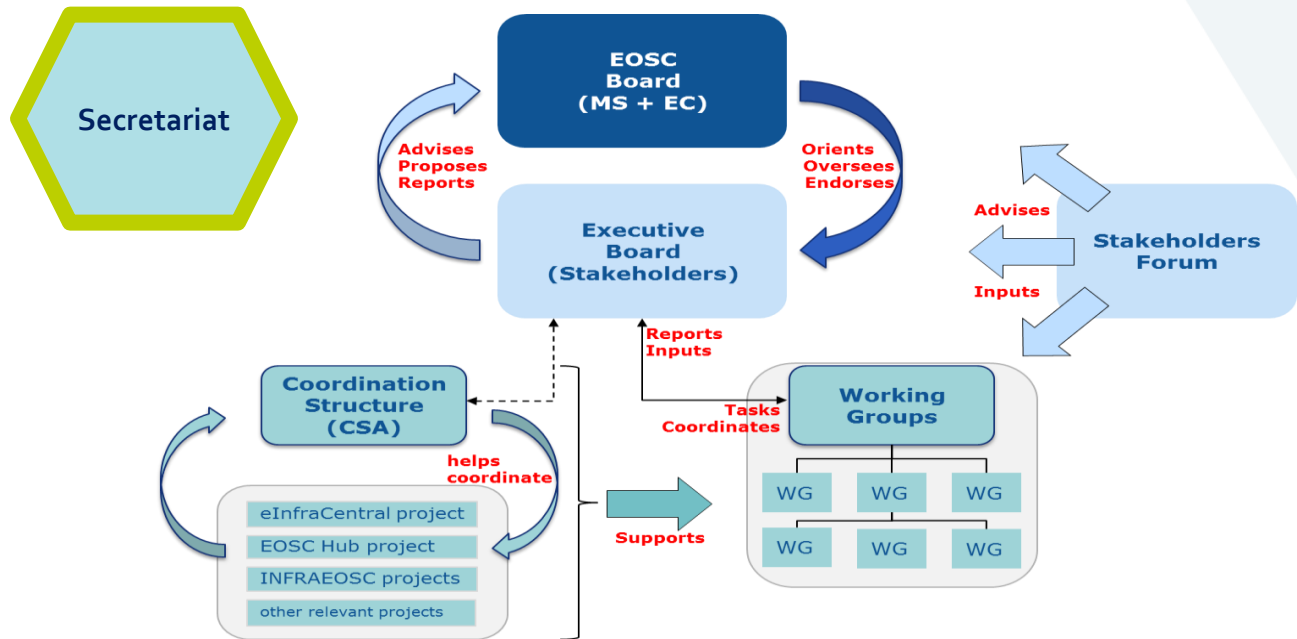
The Vienna Declaration on the European Open Science Cloud
Vienna, 23 November 2018

https://eosc-launch.eu/declaration

In November 2018, the European Commission, MS and stakeholders launched the <u>European Open Science Cloud (EOSC)</u> at the University of Vienna. The European Open Science Cloud (EOSC) envisions establishing a European data infrastructure, integrating high-capacity cloud solutions, eventually widening the scope of these services to include the public sector and industry.

EOSC-Governance structure

Three layer structure as per Horizon 2020 WP 2018-2020

➤ *EOSC Board* of MS/AC and EC representatives to ensure effective supervision of EOSC implementation

➤ *Executive Board* of stakeholder representatives to help ensure proper EOSC implementation and accountability

➤ *Stakeholder Forum* to provide input from a wide range of actors

The EOSC Governance 2019-2020

Advise on 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

EU-funded projects

Nationally-funded projects and initiatives

Proposes
Monitors
Reports

Reviews
Endorses
Orients

Interact

Other projects and initiatives

Working Groups

WG WG WG WG

Executive Board
European stakeholder organisations and individual experts)

Extended Coalition of Doers

Supports

Supports

Supports

**EOSCSecretariat.eu
Coordination and Support Action**

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EOSC-The European effort

	Formal vehicle	Set-up calendar
EOSC Board	Working Group of the strategic configuration of the H2020 PC (EOSC WG)	Set-up: October 2018 1st report to H2020 PC: 22/11 End: December 2020
EOSC Executive Board	Commission formal Expert Group	EC Decision: 27/08 Call for EoI: 11/9-10/10 Set-up: November 2018 End: December 2020
Stakeholders Forum	Self-organised with EC support; notably by the Coordination and Support Action funded by the WP of H2020 - INFRAEOSC Call	Currently: EOSC pilot Re-launch: early 2019

Financing of the EOSC

Phase 1, until 2020:

- the Commission will invest EUR 300 million to support the core functions of the EOSC as per milestones
- Member States would flag the national initiatives that they want to federate into the EOSC (e.g. the work of the Helmholz Data Alliance); and the resources they are willing to provide in kind
- Research funders would start making costs eligible for FAIR data only

Phase 2, after 2020:

- To explore a mix of funding including possibly deposit fees from national funders (P, Pub, PPP, …)
- Based on a full cost estimate for the running of the EOSC, conducted by the EOSC governance framework in Phase 1

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Decision on setting up the first five Working Groups

- *Business model, governance structure post 2020, legal entity - Sustainability,*
- *Mapping national initiatives - Landscape,*
- *FAIR implementation - FAIR (requirements)*
- *Federated infrastructure and portal evolution – Architecture,*
- *Rules of participation.*

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Decision on setting up the first Sub-Working Groups

1.   *Formed by the GB*
2.   *Open to all GB Delegates; with at least five country representatives*
3.   *Fully transparent.*
4.   *Self-organised, can request support from the Secretariat.*
5.   *May nominate a representative to participate in, or liaise with a working group.*
6.   *Report on a regular basis to the GB and prepare the input to GB meetings on their topic*

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Decision on setting up the first Sub-Working Groups

4 core operating principles:

Openness,
Inclusivity,
Balance
and Foresight.

The role of these sub-groups is **to support the deliberations** of the GB by providing **analysis and recommendations on key issues** relevant to the co-construction, development, and sustainability of the EOSC.

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Legal environment of EOSC – main European legal acts

- GDPR, Reg. (EU) 2016/679
- Copyright Directive

- Database Directive Dir. 96/9/EC

- PSI Directive & Rec. (EU) 2018/790

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Ringrazio dell'attenzione!
Ci vediamo a Vienna!