

Quo Vadis EOSC?

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European Open Science Cloud (EOSC)

- Originally a concept, not an organization (nor infrastructure)
- Based on the idea of the value of the (research) data
 - Access to the data produced with public funding should stay with public
- FAIR principle in the core
 - It should not be difficult to Find, Access and Re-use the data provided they are Interoperable
 - Cross-discipline focus
- EOSC aims to support and encompass the “implementation” of this concept

EOSC Preparation

- A strong top down approach
 - EOSC promoted by EC
 - To solve the data delusion problem
- To complement ESFRIs
 - Focus on holistic, cross disciplinary approach
 - Sharing data beyond their original scope

Current EOSC Governance

- Several bodies setup by EC
- EOSC Executive Board
 - Small body with “executive” (implementation) power
- EOSC Governance Board
 - Country representatives, large “parliamentarian” body
- EOSC Secretariat
 - Supports administration/logistics for EOSC EB and ESOC GB
- Working groups on different aspects of EOSC
 - setup by EOSC EB, overseen by EOSC GB, supported by EOSC Secretariat
- Series of projects to develop basic EOSC ideas

EOSC Aims to create *Web of scientific insight*

- Web of FAIR research data and services/tools
- Federation of existing services
- Virtual space where science producers and consumers come together
- An open-ended range of content and service
- Quality mark “Data made in Europe”

(taken from K. Luyben’s presentation about EOSC Minimal Valuable Format)

Considered/expected core functions

- Develop and govern federating core
- Manage compliance framework
- Manage trusted certification
- Manage the AAI
- Manage PID policies
- Develop outreach to stakeholders
- Monitor service and transactions
- Manage “EOOSC” trademark(s)
- Contribute to Horizon EU policy

What is (being) prepared

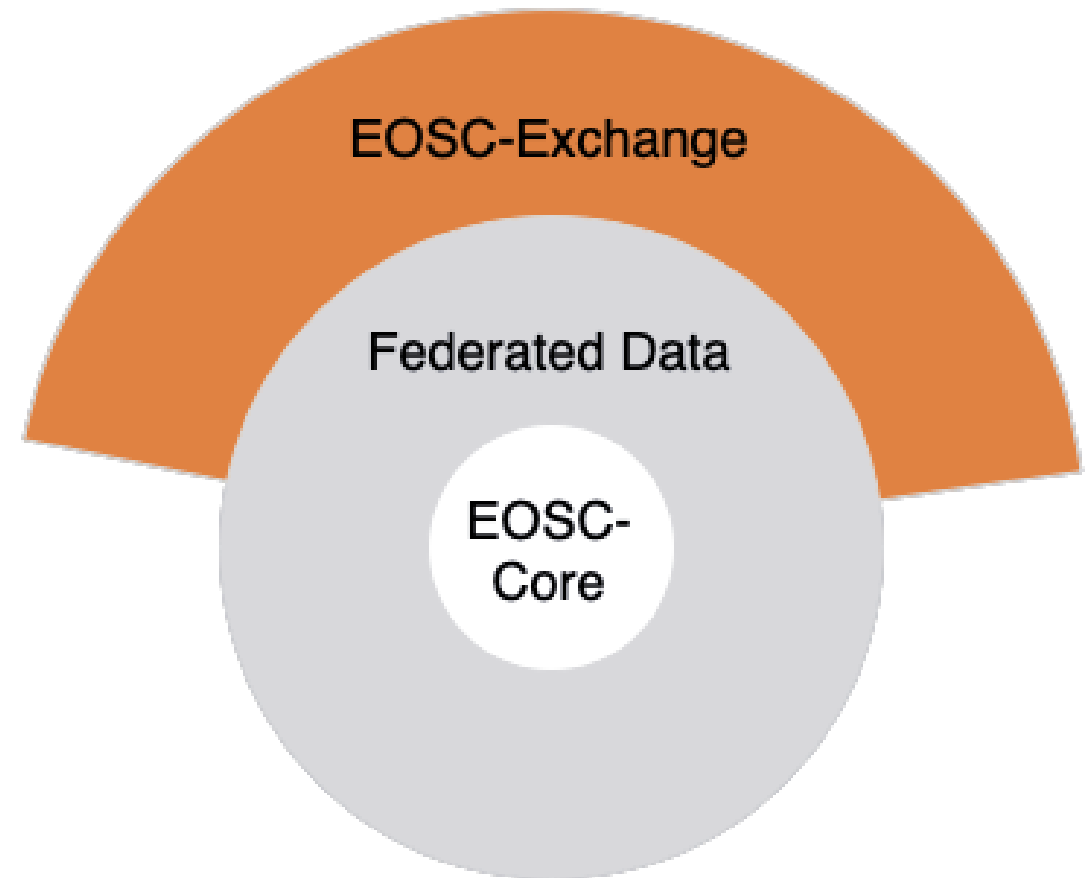
- EOSC Partnership Proposal
- EOSC Strategic research and Innovation Agenda
- EOSC Workplan
- Rules of Participation consultations
- Landscape analysis

What is (being) prepared (and by whom)

- RoP WG: Rules of participation
 - Agreed and tested
- Landscape WG
 - Analysis of the existing national infrastructures and policies
- Sustainability WG
 - Financing, **legal entity** & post 2020 governance structure
- Architecture WG
 - Operational federated core
 - Initial set of EOSC data and services
- With FAIR WG
 - Interoperability, PID framework
 - Metrics for FAIR data and certified services

Minimum Viable EOSC (MVE)

- MVE is composed from
 - EOSC core
 - EOSC exchangeTo work with federated FAIR data
- MVE must enable federation of existing and planned infrastructures
 - EOSC-Hub
- Disciplinary clusters and regional projects are the first steps
 - EOSC-Life, EOSC SYNERGY



EOSC-Core: functions

- Provides means to
 - Discover
 - Share
 - Access
 - Re-usedata and initial services
- Will not store, transport or process data
 - at least not in the first iteration

Promoted to be used as widely as possible

ESOC-Core: Examples/Coverage

- Shared open science policy framework
- AAI framework
- Data access framework
- Service management framework
- Minimum legal metadata framework
- Open metrics framework
- PID services
- Help-desk

EOSC Legal Entity

- Indispensable part of the EOSC partnership
- Very aggressive timeline
 - Must be set up this year
- Work of Sustainability WG to define scope, statutes and bylaws

EOSC Legal Entity

- To be established in Belgium as an association
- Three stages
 1. Initial setup: 4 institutions at the Notary
 - 2 confirmed by EOSC EB, 2 by EOSC GB
 - The Founding fathers
 2. First comers to be included in the first General Assembly in September
 3. Additional members through the written procedure
 - Second GA in December?
- All members equal
 - No specific rights for Founding fathers

EOSC Aisbl membership

- Not countries
 - However expected Steering board with official governmental representatives
- Practically any organization with interest
 - Tiers for specific kinds of organizations
 - E.g. infrastructures, universities and other research organizations, ...
 - Must be accepted by the existing members
- Mandated members
 - One per country, with specific delegation from Ministry/Government
- Governance: President, vice-president; 7+ directors

EOSC Aisbl role

- The primary role will be to become EC partner in the EOSC partnership
 - Definition of the strategy of the EOSC
 - Consultations about the Horizon Europe workprogram
- Expectations
 - Should not compete with members
 - Should help coordinate them (but unclear role in projects)
 - Should participate in specific projects (unclear conflict of interest)
- Cost of membership still unclear
 - EOSC Secretariat funding expected to cover the bootstrap

EOSC and Us

- Challenge and opportunity
- Could allow us better organize scientific data and access to them
- Will need mindset change
 - “Private” data as an asset in the scientific competition
- Participation in EOSC projects
 - Currently closed calls in INFRAEOSC 03 and 07
- Participation in the EOSC Aisbl

Thank you for your attention