EOSC Federation Handbook

Plans and Progress
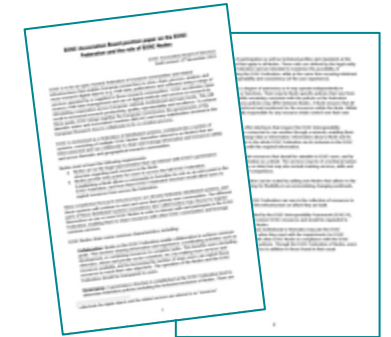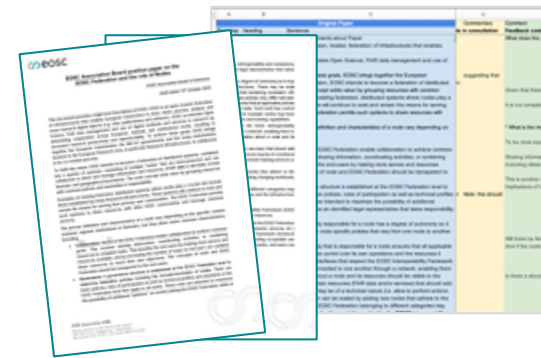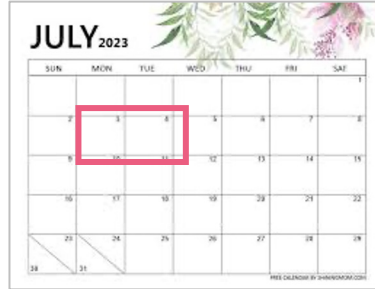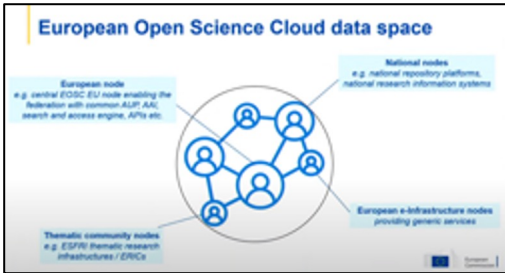
EOSC Association Board

EOSC European Tripartite Event,
Brussels, 16 April 2024

16 | 04 | 2024 by EOSC-A

Evolution of Node Concept in **2023**

Spring	→	July	→	September	→	October	→	November

Spring

Introduction EOSC EU Node and concept of nodes by EC

July

Meetings with Mandated Organisations and ESFRI RI Working Group to prepare September workshops, 03./04.07

September

Community Workshops MOs & ESFRI RI WG (08./15.09.) Unconference EOSC Symposium (21.09.)

October

Publication of Draft Position Paper on the EOSC Federation and the role of Nodes (13.10.) & Consultation

November

Publication of revised version of Draft Position Paper (12.11.) & Consultation

The EOSC Federation and the role of Nodes

Main points in the position paper
https://eosc.eu/wp-content/uploads/2023/11/20231112-Short-paper-on-the-EOSC-Federation-draft-v3.pdf
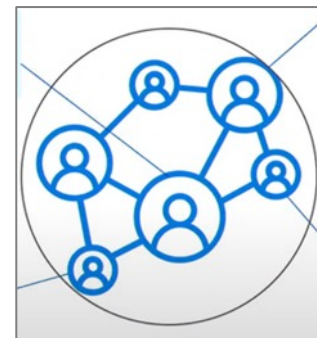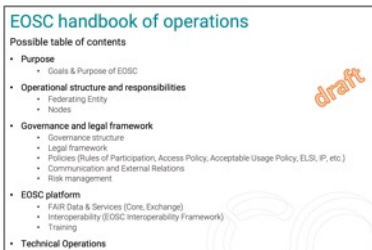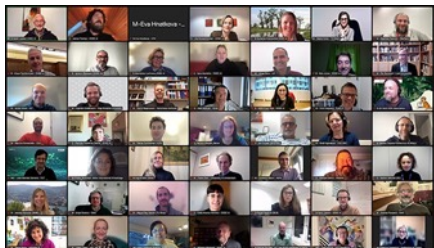
EOSC Federation
- is a federation of distributed systems ('system of systems')
- enables collaboration to achieve common goals and users to access additional resources beyond their usual environment
- has policies and rules defined by the legal entity governing the EOSC Federation
- consists of multiple "Nodes"
- can be scaled by adding more Nodes

EOSC Nodes
- contain resources adding value to the Federation
- act as the legal representative that can interact with EOSC's governance structure
- offer interfaces that comply with the EOSC Interoperability Framework
- control their own operations and resources and ensure that policies are followed within the Node
- may vary in their local policies, the resources to which they provide access and the infrastructure on which they are built

Initiatives (European, national, regional, institutional or thematic) may join the EOSC Federation and become EOSC Nodes when they meet the requirements listed above

Evolution of Node Concept in **2024**

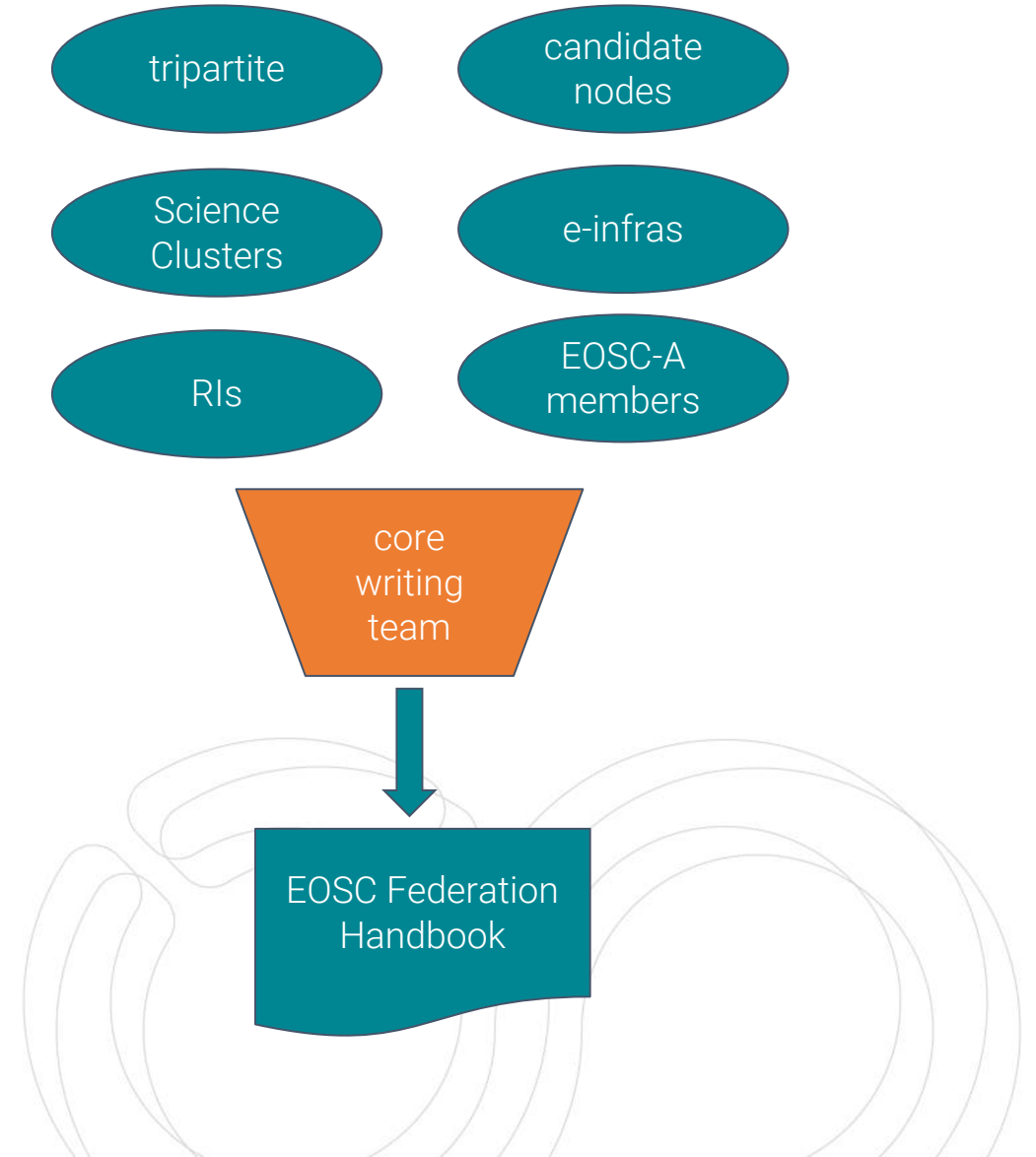| January	February	March	April	May
16/17 January: 2 Community webinars	Integration of community feedback & drafting of table of contents for EOSC Federation Handbook	Discussion of EOSC Federation Handbook concept with EC and EOSC-SB Policy Group	Presentation of "Minimum requirements of Nodes" draft at European Tripartite Event, 16 April	15 May: online workshop with potential Candidate Nodes

EOSC Federation Handbook co-creation

- **Aim** – prepare a handbook for the **EOSC Federation of Nodes** which covers the essential aspects of the purpose of the federation, what a node is, how to join, rules of governance, value proposition and rules of participation

- **Who –** driven by the EOSC-A and encouraging all interested parties (EC, Member states/ACs, RIs, EOSC-A members, etc.) who want to participate in the co-creation of the Handbook

- **Process –** the document will be written collaboratively with open consultations, meetings, sprints

Contributing events during 2024, including:
- o Tripartite events preparing for the post 2027 governance
- o EOSC General Assembly consultation sessions with members (May)
- o Milestones in the deployment of the EOSC EU Node
- o EOSC Symposium presentation and review of Handbook (October)

EOSC Federation Handbook - ongoing work

Open and Collaborative Work Plan

Actors

- Tripartite governance
- EOSC-A membership
- Candidate nodes
- RIs/Science clusters
- E-infras
- EOSC related EC funded projects
- etc.

tripartite

candidate nodes

Science Clusters

e-infras

RIs

EOSC-A members

core writing team

EOSC Federation Handbook

EOSC Federation Handbook planning

Planning:

- *May 2023 — Concept of nodes and federation raised at the EOSC-A General Assembly*
- *June-Sept 2023 — Workshop organised with RIs and Mandated Orgs*
- *October 2023 — Nodes concept focus of 'unconference' session at EOSC Symposium '23*
- *Nov 2023 — Revised short paper on Nodes distributed*
- *January 2024 — Preliminary draft of Handbook outline prepared with EOSC Focus*
- *March 2024 — Kick-off of Handbook writing process with core team (EOSC-A + EOSC Focus)*

now ➔
- **April 2024 — Preliminary discussion of EOSC Node during the Tripartite meeting**
- May 2024 — Meeting with potential candidate EOSC Nodes
- May 2024 — Preliminary draft of Handbook for discussion with EOSC-A members
- July 2024 — Preliminary draft of Handbook discussed at EOSC Partnership board meeting
- Sept' 2024 — Revision of Handbook prepared with consultation meetings
- October 2024 — Mature draft of Handbook presented at EOSC Symposium '24
- Nov' 2024 — Mature draft of Handbook endorsed at next Tripartite meeting

Types of offerings by EOSC Nodes

- **FAIR data** - a fundamental goal of EOSC is to build a "web of FAIR data", therefore a FAIR data node must provide FAIR data through one or more trustworthy data repositories.
  The data repository must be recognised as belonging to a local, regional, national, or international community of scientific activity.
  It must have the right to distribute and share data through a documented data policy adhering to the FAIR principles.
  Trust and sustainability of the data repository must be ensured and ideally certified through a certification process e.g. CoreTrustSeal or similar.

- **Services** - a service node does not necessarily provide data but instead must provide services for processing and/or storing FAIR data.
  The node must provide access to the services under a documented policy which defines the rules of usage.
  The services must be recognised to be of general interest to a wider community and possibly be open to all EOSC users.

- A substantial number of the EOSC Nodes will most likely provide both **FAIR data and services.**

Next Steps

- Development the Handbook and deployment of Federation nodes will happen in parallel

- A list of writing contributors and potential candidate nodes is being compiled

  - as agreed at the meeting of 22 March with SB sub-group policy, EC & EOSC-A board

  - send an email to Ute Gunsenheimer ute.gunsenheimer@eosc.eu to be included

- Online meeting planned for **15 May** with all interested parties where more details of minimal requirements for a candidate node will be presented

  - see additional slides at the end of this presentation

- Potential candidate nodes formally express their interest following the meeting

- Recommend the first set of candidate nodes to the Tripartite for endorsement

  - the first set of ~10 candidate nodes (National, Thematic, RIs, e-Infra, etc.) is expected to start deployment activities in 2024

  - progressively expand the federation and evolve the Handbook based on the experience gained