Participating in the Digital Transition: a necessity

- Fast increasing need for being able to treat (FAIR*) data, provide services and e-infrastructures for all scientific domains and across domains.
- Sharing research results (publications, data, software, services, …) openly
  = optimise the return of investment into research
- We entered the “Digital Decade"
- Progress is only possible if data (and services) are FAIR-by-design
- Sharing and concentration of resources is key (Human resources, e-infrastructures, financing, …)

*FAIR: Findable, Accessible, Interoperable, Reusable
Digital Transition: how to proceed?

- Policies: development on national and international level
- Examples for policies at EU level: Data Act, Data Governance Act, Digital Services Act, …
- ERA Policy Agenda
- Examples for policies at national level: NPOS document on Open Science (NL), Piano Nazionale Scienza Aperta (IT), Plan National pour la Science Ouverte (FR), US memorandum “Ensuring Free, Immediate, and Equitable Access to Federally Funded Research”
- European Data Spaces (Health, Industrial & Manufacturing, Agriculture, Finance, Mobility, Green Deal, Energy, Public Administration, Skills)
- EOSC as the European transverse data space
EOSC Steering Board

- **EOSC-SB Opinion Papers 2022:**
  - EOSC and data literacy,
  - EOSC and commercial partners,
  - EOSC Sovereignty on FAIR Data,
  - Monitoring Open Science
- **EOSC-SB Statement 2022**

- Launch of the [EOSC Observatory](https://www.eosc.eu)
- 19/01/2023: launch of the second EOSC-SB survey on national contributions to Open Science and EOSC
  - covering a wide range of policies, investments and impacts related to EOSC and open science.
**EOSC status**

**EOSC 2023**

- Stakeholders identified and engaged
- Significant investment by European Commission to develop EOSC solutions
- Commitment of member states to support Open Science & EOSC
- Vital interest to have Open Science, FAIR & Open data / service, sharing resources
- Examples of EOSC in practice have been established (for example [Covid-19 data portal](https://covid19portal.ec.europa.eu/))
- EOSC Core & Exchange (i.e. the [portal and the marketplace](https://ec.europa.eu/programmes/erc/)) established and to be further accelerated through the EOSC procurement action
EOSC next steps for success

- Clearly identifiable advantage of EOSC for different research communities
  >>> catalogue of EOSC use cases, to be updated following the 2022 EOSC-SB survey
- For example: possibility to establish workflows involving data-services-infrastructures
  >>> EOSC procurement action
- We need to talk about e-infrastructures
  >>> work with e-IRG, EOSC-ESFRI collaboration
- Necessity to align EOSC
  >>> need to work with DG-CNECT on alignment, but also on inter-ministerial level (e.g. GAIA-X)
Need to continue and expand EOSC under FP10*

Continue with the three parties involved: Users and service providers (EOSC-Association), European Commission (DG-CNECT, DG-RTD), and member states / associated countries (EOSC Steering Board) >>> continue current government model**

Stronger commitment — from member states but also from research performing organisations (the permanent positions to build EOSC are here!) >>> move from a co-programmed partnership to a more binding form**

* FP10: EU’s next framework programme for research and innovation following Horizon Europe
** that’s my opinion as French delegate to the EOSC-SB
EOSC next steps for success

- Development at European level needs to be accompanied by actions at national and institutional level.
- Don’t wait for the European Commission and/or the EOSC-Association to implement solutions: continue or get started now at your level of activity.
- Common goal to have a web of FAIR data, services, and e-infrastructures.
- Sharing resources is key — build the necessary framework.
- Member states have a vital interest in EOSC: EOSC is here to stay — there’s no turning back!
Conclusion: member states’ commitment

- EOSC-SB engaged to move EOSC forward through policy development and action plans at national level
- Lobby for a rapid development of EOSC and Open Science policies and actions in our countries
- Aim for **tangible results by 2025: institutional, national, European level**
  - integration/federating of e-infrastructures in the EOSC portal
  - strengthening the added value of the EOSC portal
  - European data repositories
- Addressing additional policy issues
- Working closely with the EOSC-Association, the EC and other partners (e.g. ESFRI, e-IRG, EuroHPC, GAIA-X)

EOSC is here to stay — there’s no turning back!
Merci !