European Open Science Cloud (EOSC)

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Disclaimer

- I'm using material from other presentations and webpages, all sources are specified, links are provided

- Very good source of information is the EOSC portal
  https://www.eosc-portal.eu/

- Every object with a red border contains a hyperlink for more information

- KIT is member in the EOSC-related projects
  EOSCpilot, EOSC-hub, EOSCsecretariat.eu

Until recently…

D. Under the current model, fragmentation and uneven access to information would prevail
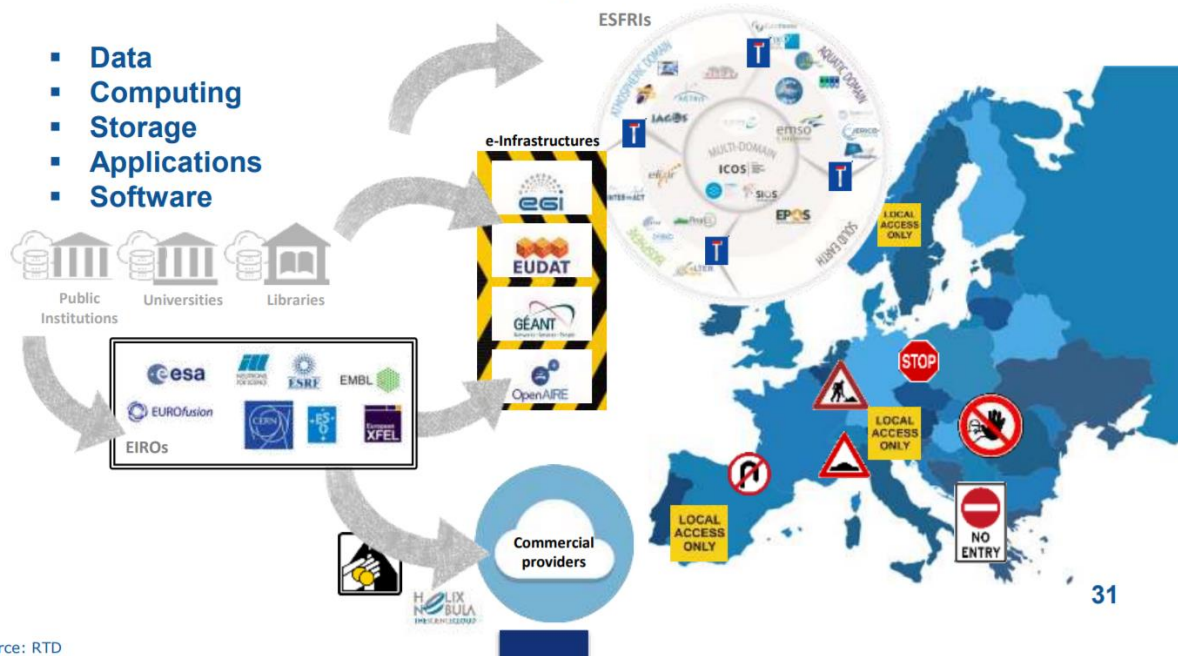
- Data
- Computing
- Storage
- Applications
- Software

Source: https://ec.europa.eu/research/openscience/pdf/eosc_strategic_implementation_roadmap_large.pdf

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Vision…

Source: https://ec.europa.eu/research/openscience/pdf/eosc_strategic_implementation_roadmap_large.pdf

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"Whoever has visions should go to the doctor"

1980: Helmut Schmidt (1918-2015, politician, SPD, Chancellor 1974-1982)

- "The EOSC will offer 1.7 million European researchers and 70 million professionals in science, technology, the humanities and social sciences a virtual environment with open and seamless services for storage, management, analysis and re-use of research data, across borders and scientific disciplines by federating existing scientific data infrastructures, currently dispersed across disciplines and the EU Member States." (from https://www.eosc-portal.eu/about/eosc)

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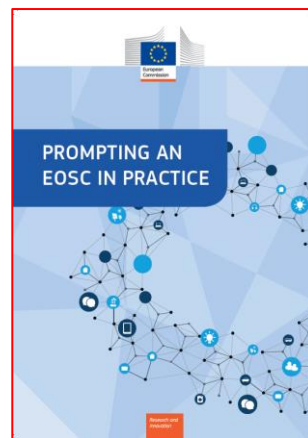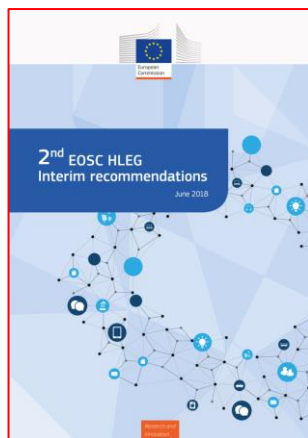
Implementation Roadmap – 6 Action Lines
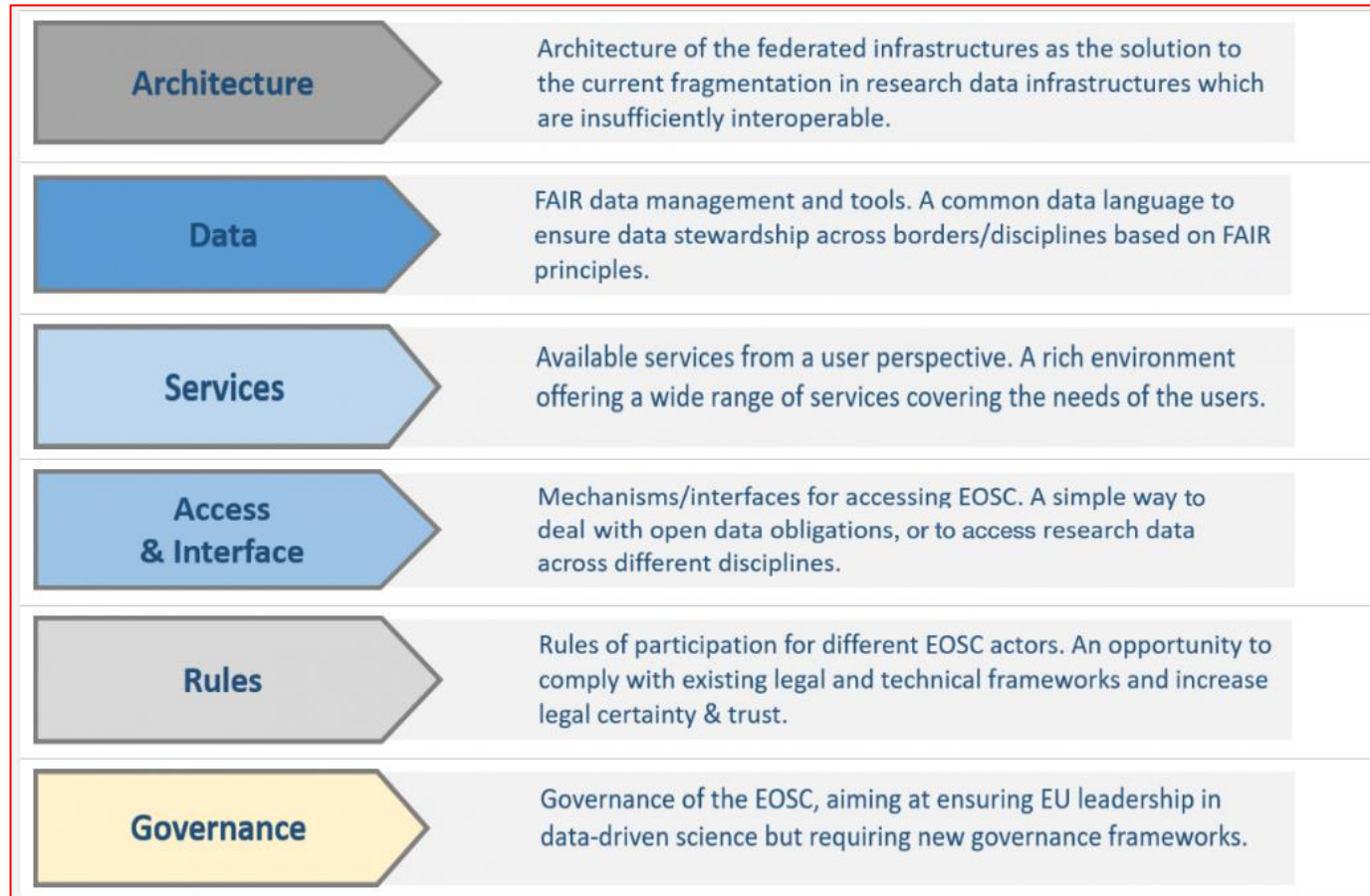
Source: https://www.eosc-portal.eu/about/eosc
More about each action line on pages 39-81 in http://ec.europa.eu/research/openscience/pdf/swd_2018_83_f1_staff_working_paper_en.pdf

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Governance Framework
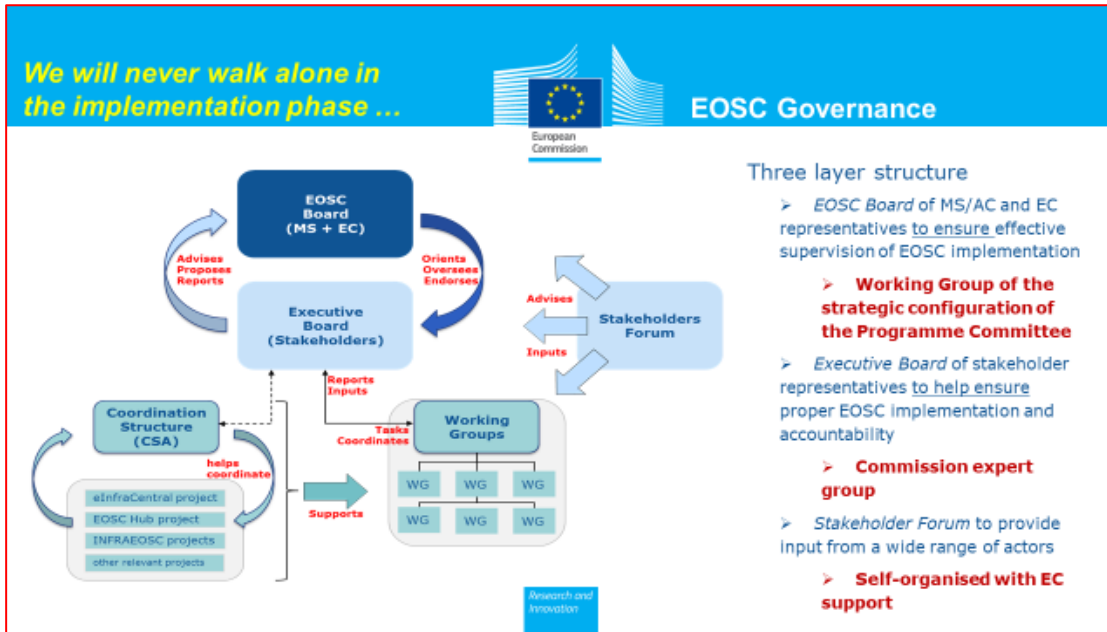
EOSC Executive Board:

List of appointed members

- **Chair** Karel LUYBEN representative of CESAER
- **Vice Chair** Cathrin STÖVER representative of GEANT

Organisations and their representatives

1. CESAER represented by Karel LUYBEN
2. CESSDA ERIC represented by Ronald DEKKER
3. EMBL represented by Rupert LÜCK
4. European Spallation Source ERIC represented by John WOMERSLEY
5. GÉANT represented by Cathrin STÖVER
6. OPENAIRE represented by Natalia MANOLA
7. Research Data Alliance (RDA) represented by Juan BICARREGUI
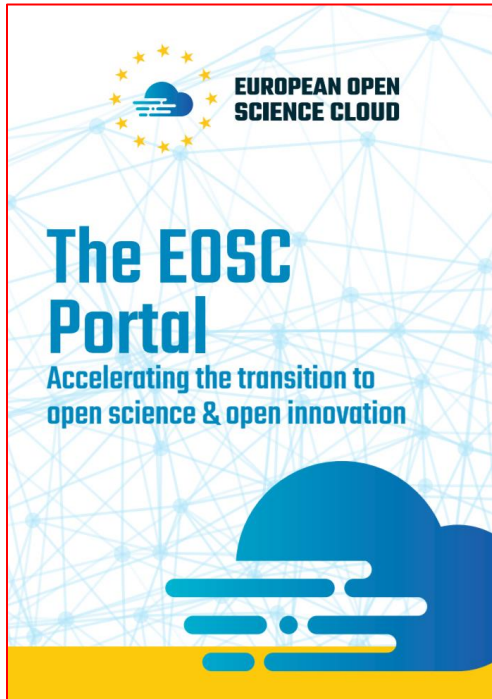8. Science Europe represented by Stephan KUSTER

Individual experts

1. Sarah JONES
2. Jean-Francois ABRAMATIC
3. Jan HRUSAK

Sources: slide 21 of https://www.eoscpilot.eu/sites/default/files/burgelman-2018_eosc_stakeholderforum.pdf,
https://www.eosc-portal.eu/governance,
https://ec.europa.eu/info/news/results-call-applications-selection-members-expert-group-members-executive-board-eosc-2018-nov-23_en

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The EOSC Portal

EUROPEAN OPEN
SCIENCE CLOUD

The EOSC Portal

Accelerating the transition to open science & open innovation

https://www.eosc-portal.eu/

The EOSC Portal puts into practice the European vision for Open Innovation, Open Science and Open to the World by bringing together services and resources such as computing, storage, data, publications and software from national and international research infrastructures organisations, collaborations and projects. It is open to scientific users and service providers.
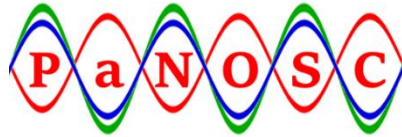
Researchers can:

- Discover and compare multiple resources and services such as scientific outputs, applications, research data exploitation platforms, research data discovery platforms, data management, compute services and thematic services;
- Access services and resources via a smooth authentication/authorisation process with no need to create new credentials for authentication;
- Find information on access policies, maturity level, and compliance to standards;
- Obtain the latest information about the European Open Science Cloud: from governance models to Rules of Participation; from the latest policies to funding opportunities;
- Pick up on best practices and practical examples featuring research communities making the most of EOSC;
- Provide feedback about services and information to contribute to building the EOSC service portfolio.

Service providers can:

- Publish, share and advertise services and resources to a wider user base;
- Get statistics about access requests and customer feedback;
- Get a free online platform where providers can manage service requests, interact with users and provide support to them, and agree the most suitable service levels;
- Allow users to authenticate with existing credentials to access services and resources and get support to enable this;
- Contribute to the definition and maintenance of EOSC service provisioning policies and the portfolio roadmap;
- Join the group of providers that meet EOSC quality standards.

Landscape of Projects

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