

Initiatives Update

Carole Goble

Digital Research Infrastructure Perspective

ELIXIR UK, HDR UK, G7 OSWG

FAIR and Open Software

IMPACT OF OPEN RESEARCH SOFTWARE



Amsterdam Declaration for Funders
Toolkit, Good Practices
Research Software Funders Workshops



FAIR4Research Software , FAIR4ML
Funders, Research Software Infrastructures,
Community Leaders Forum, Policy Pool

The Open Source
Science Initiative

Software Landscaping



the French Open Science Monitor



SciCodes — Consortium of scientific software registries and repositories



Society of Research Software Engineering



{RSQ}Kit



RSQ Indicators

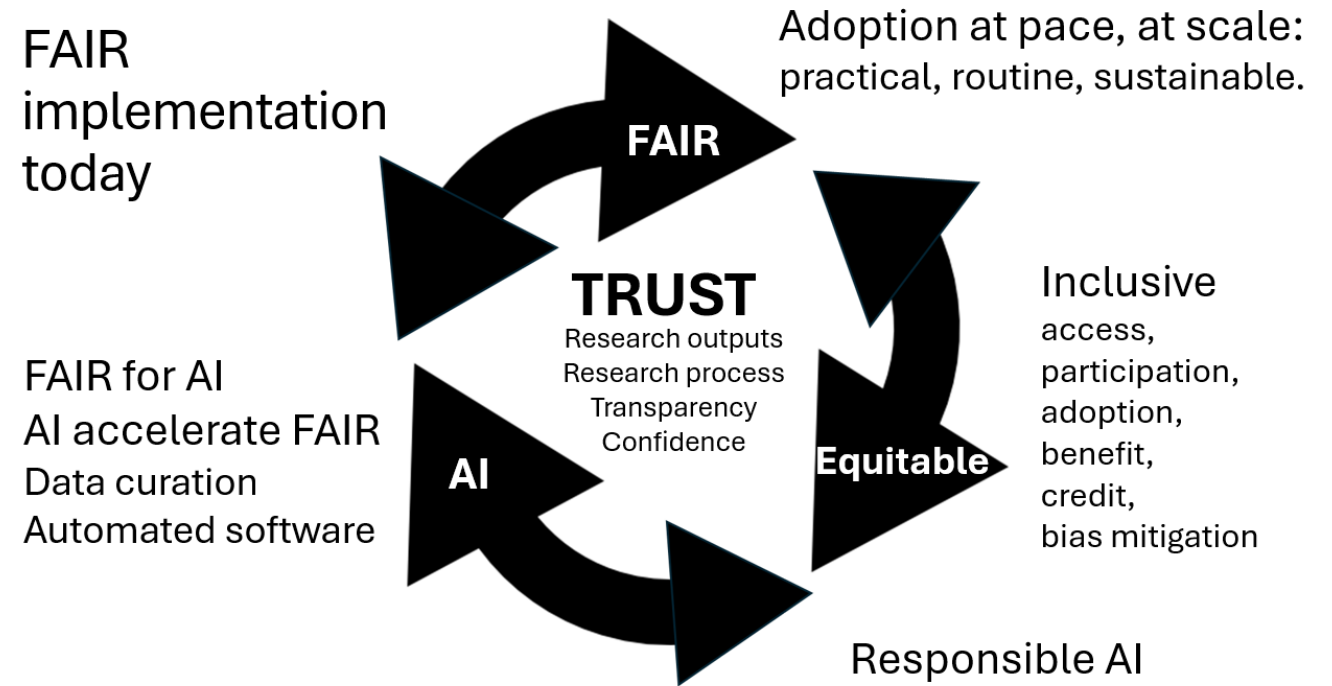
Access to research data from public funding toolkit

Access to Research Data and Research Software

G7 OSWG FAIR, equitable and trusted research outputs

The Bologna
Declaration – 11/07/24

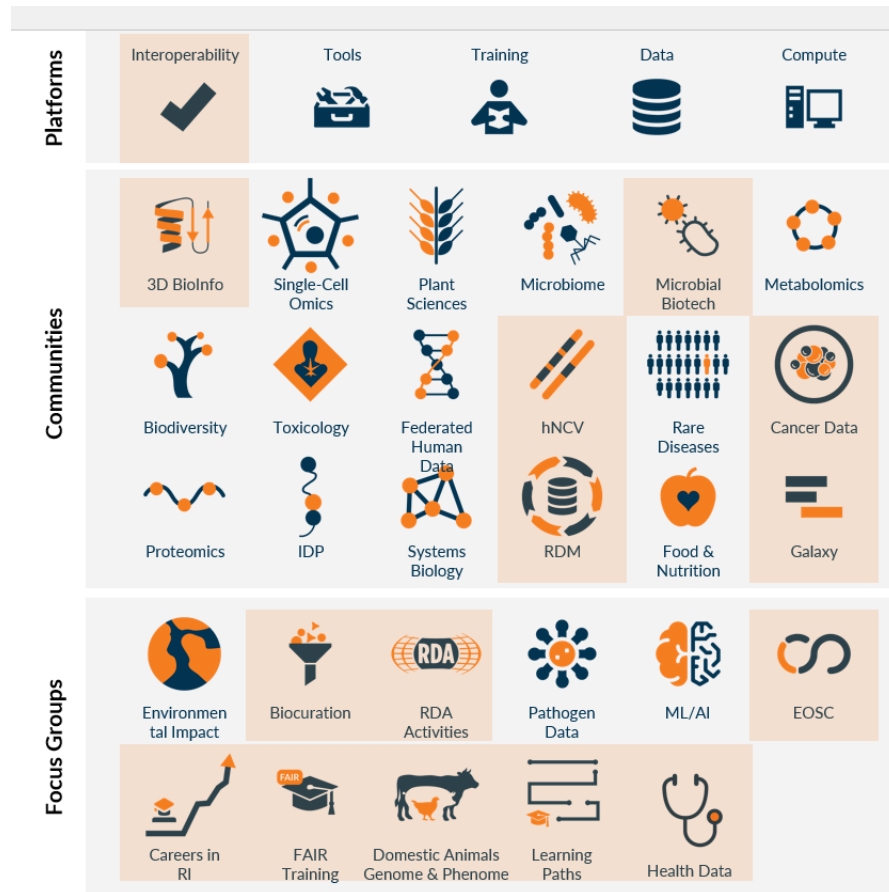
Workshop – 12/12/24
Preparing
recommendations and
report for Autumn 2025



Will be sharing the report for comment

Research Infrastructures at scale and for impact

Organisational Complexity, Diversity & Behaviours



Research Software Engineering

European Research Infrastructures

European Science Clusters

- Cooperation, Consensus, Mutual Benefit, Collective works, Sustainability
- Fragmentation, Not Invented Here, Competition for Resources
- Diversity and people, social engineering, surveys and mixed methods
- Community x Institutional x National x Projects X Disciplines
- Horizontal Methods-driven x Vertical science-driven

Translation playbooks

EOSC Federation



Organisations participating in the workshop for the kick-off of the build-up phase of the EOSC Federation

EOSC EU Node of basic services for the long tail
National Nodes & Thematic Nodes
European Data Space (commercially driven)

Multi-node service governance?

Impact on European Research Infrastructures national participations

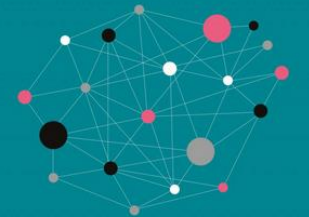
Relationship of national DRI in an era of geopolitical instability

Policy Implementation IMPACT

CONTRIBUTING TO THE BUILD-UP PHASE
OF THE
eosoc Federation

eosoc Tripartite

EOSC Federation
Handbook



Base4NFDI Services and EOSC: Guidance for Interoperability

Funded by **DFG** as part of **NFDI**. Grant Numbers:
521453681, 521460392, 521462155, 521463400, 521466146, 521471126, 521473512, 521474032, 521475185,
521476232

Advancing Essential Services to Complement EOSC

Funded by DFG as part of NFDI. Grant Numbers:
521453681, 521460392, 521462155, 521463400, 521466146, 521471126, 521473512, 521474032, 521475185,
521476232

UK DRI

Digital Infrastructure Roadmap exercise

- Interconnectivity and heterogeneity
- The use of data for research and public good
- Foundational elements of digital infrastructure
- Sustainability, efficiency, and remaining current

Translation playbooks
How to be in the room?

Secure and Trusted Research and Innovation Workshop, 1
May 2025, Newcastle upon Tyne

- Explore the opportunities and risks for UK research and innovation infrastructures in secure and trusted research. This collaborative cross-sector event will support the refresh of the UK research and innovation [infrastructure roadmap](#) and is aimed at colleagues working in or with research and innovation infrastructure, both digital and physical.
- How the UK research and innovation Infrastructure Roadmap can support secure and trusted research in research and innovation infrastructures, and will focus on:
 - Supporting continued working and collaboration with trusted infrastructures and research partners
 - Physical and cyber security for infrastructures, alongside people, research and intellectual property

Emerging threats and minimising risk - sharing good practice and impact stories across infrastructures

UK DRI

Digital Infrastructure
Roadmap exercise

- Interconnectivity and heterogeneity
- The use of data for research and public good
- Foundational elements of digital infrastructure
- Sustainability, efficiency, and remaining current

Translation playbooks
How to be in the room?

National Data Library
Health Data Research Service
AIRR, a cluster of advanced
computers for AI research
Isambard 3

PSDI, C-MASS, PhenomUK,
DISSCo-UK, EUBI UK ...





National BioCommons
Methods, Knowledge, People
Data

- Data-Technology Communities
- Participatory Information Format Exclusion
- Protocol collage
- Exclusion through the assumption of a standard
- Tension with commercial actors and sustainability
- Lessons from research collaborations