EUNIS Open Science Special Interest Group

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SURF cooperative

Universities of Applied Science

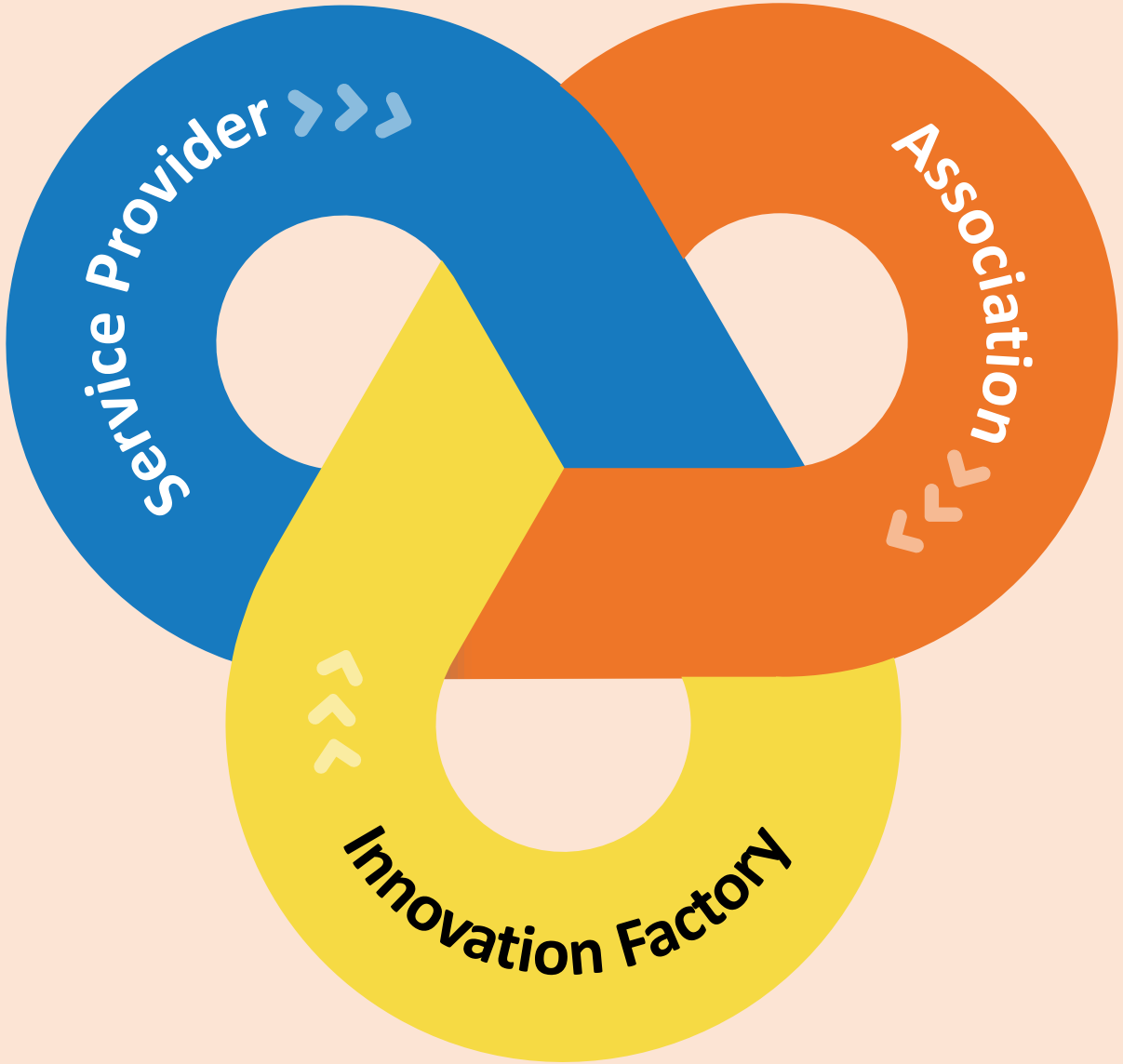
Universities

University Medical Centers

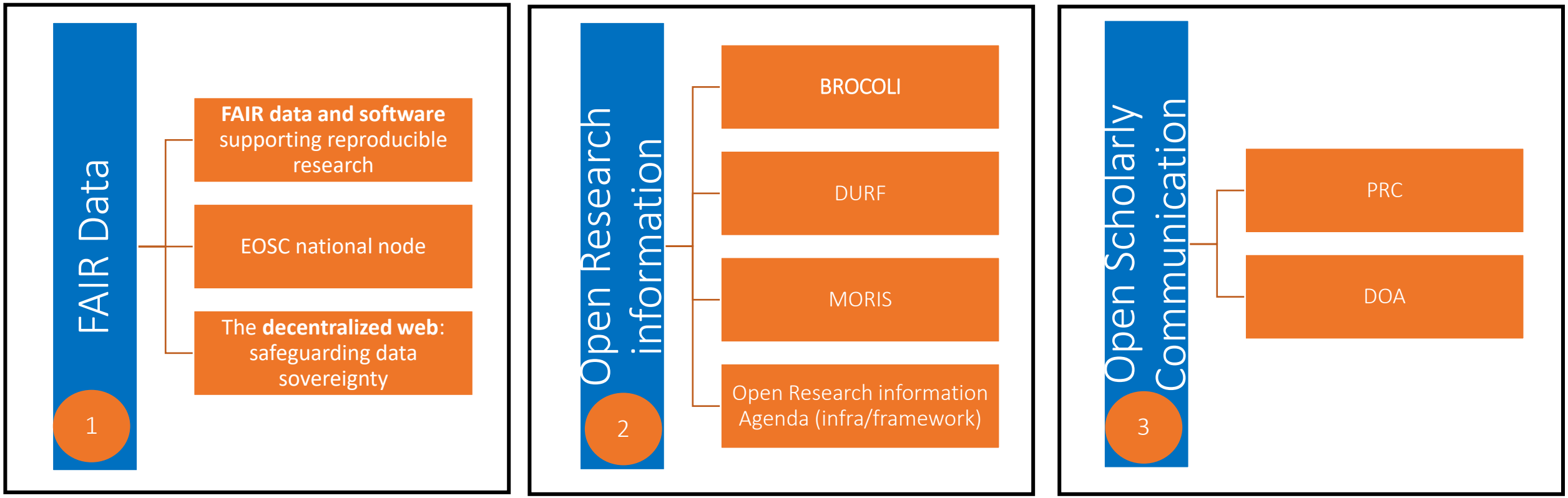
Vocational Institutions

Research institutions

Three roles of SURF for education and research



Innovation Zone Enabling Open Science: Three roadmaps.



Agenda

- EUNIS (European University Information Systems)
- EUNIS Special Interest Groups (SIGs)
- Open Science
- EUNIS Open Science SIG (OS-SIG)
- Survey

European University Information Systems

Formed in 1993

The objective of EUNIS is to contribute to the development of high quality information systems

EUNIS is

- the European community driving digital transformation in higher education.

EUNIS

- empowers digital leaders through collaboration, knowledge sharing, and policy advocacy to shape the future of education.

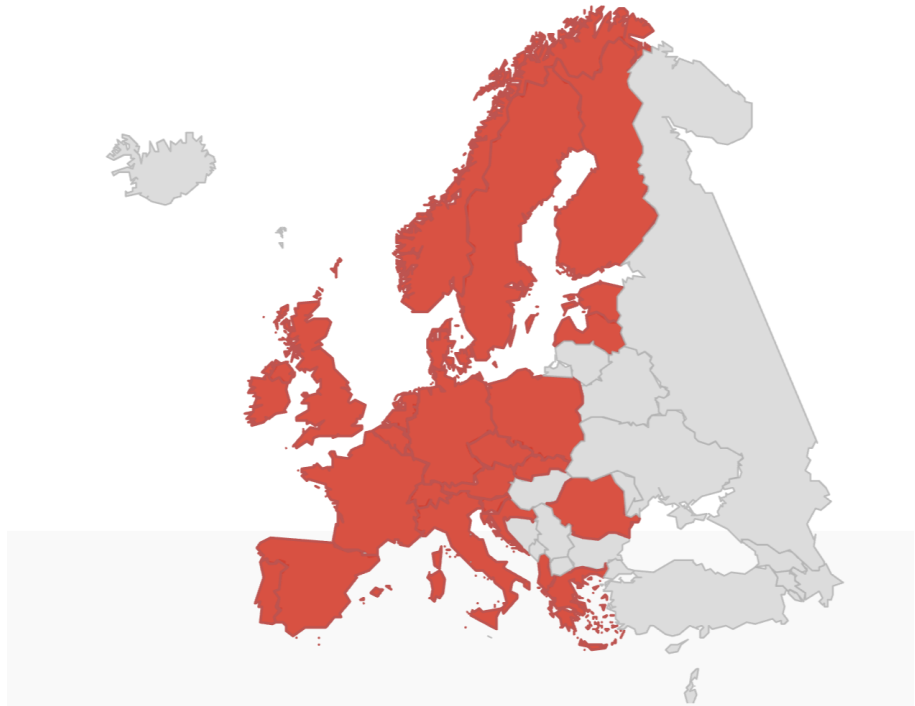
EUNIS

- mission is to help institutions leverage technology for innovation, resilience, and enhanced student experiences across Europe.

Members

EUNIS

123	12	24
Institutions	Solution Providers	Partners



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euroCRIS

euroCRIS is a not-for-profit, statutory association, governed by Dutch law, dedicated to the development and implementation on an institutional, national as well as international level of top-quality research information systems and their interoperability, based on CERIF (Common European Research Information Format); and to the promotion of cooperation and sharing of ideas between stakeholders in the research information domain. EUNIS and euroCRIS signed a memorandum of understanding.

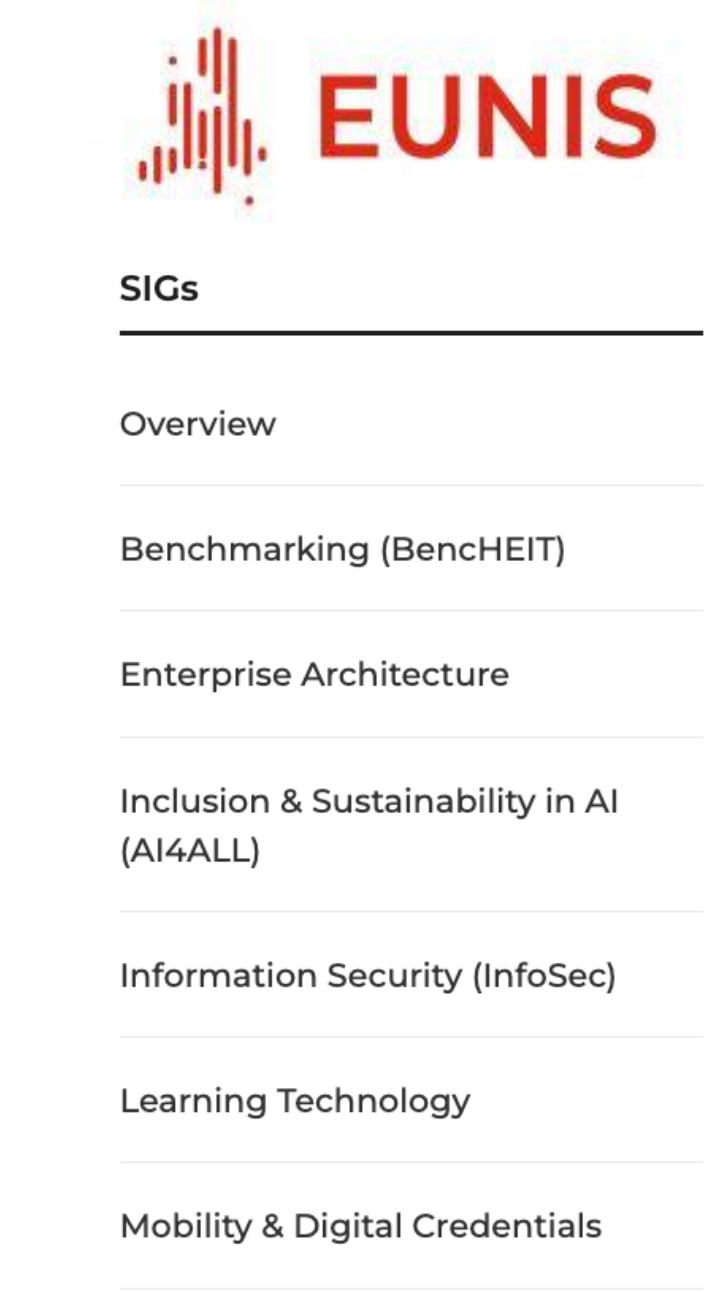
SURF

Special Interest Groups

EUNIS Special Interest Groups (SIGs) are

- focused communities of professionals
- SIGs provide added value by enabling deep analysis, knowledge exchange, networking, and coordinated activities that transform ideas from EUNIS events into practical outcomes.
- dedicated to specific thematic areas such as

SIGs focus mostly on infrastructure in Education

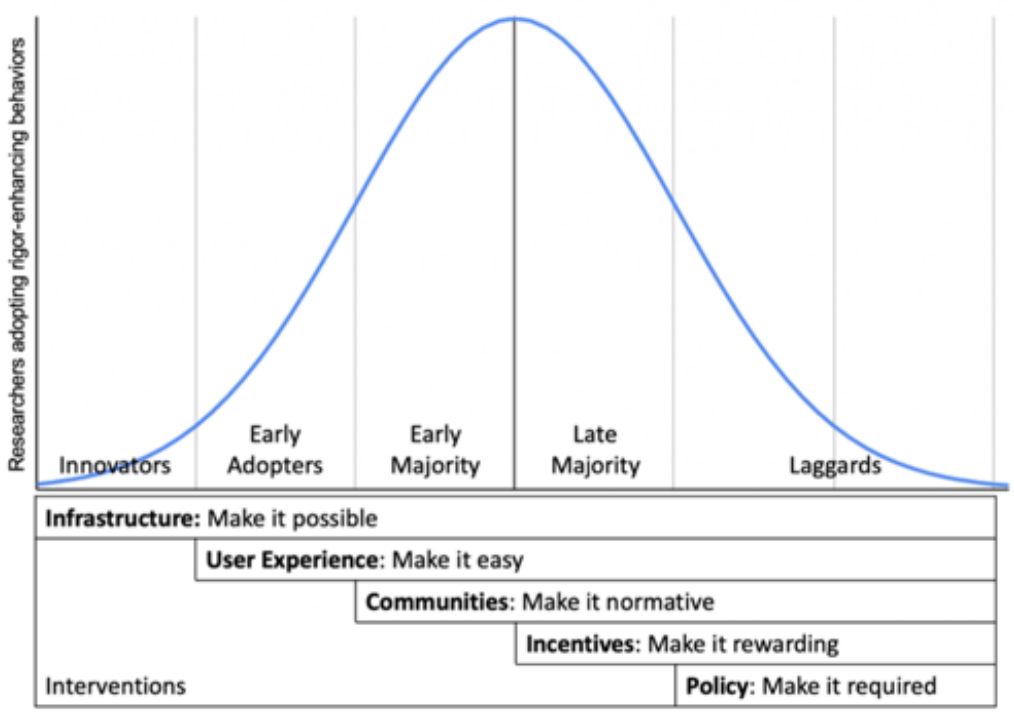


Open Science

Open Science encompasses a set of **values, principles** and **practices** that aims to make the **processes** and **outputs** of knowledge production more findable, transparent, accessible, inclusive and equitable.

Its objectives include improving the **reproducibility** and **reusability** of research, enhancing collaboration and reducing barriers, as well as accelerating the dissemination of knowledge not just within the academic community, but within society as a whole.

What is needed to make open science the norm



- Development of better research infrastructures to enable effective open knowledge sharing
- Development of better skills in research communities
- Investment in communities that develop and share best practices
- Transformation of the reward- and recognition system
- Development of policy and regulations

The Coalition for Advancing Research Assessment (CoARA)

How to track different types of research contributions….

A short explainer →

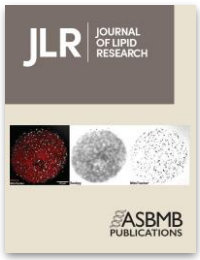

Diverse
Research Contributions
Traditional
Non-Traditional

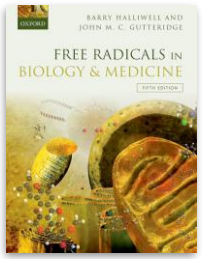
Diverse Research Contributions

→

Traditional

Non-Traditional





Diverse
Research Contributions

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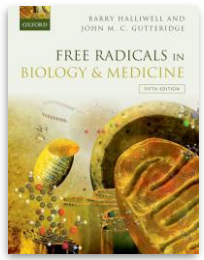
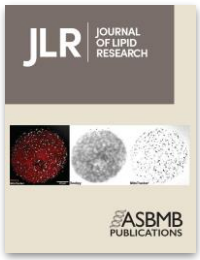
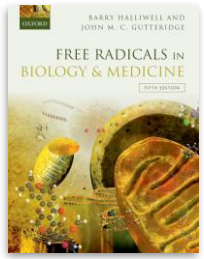
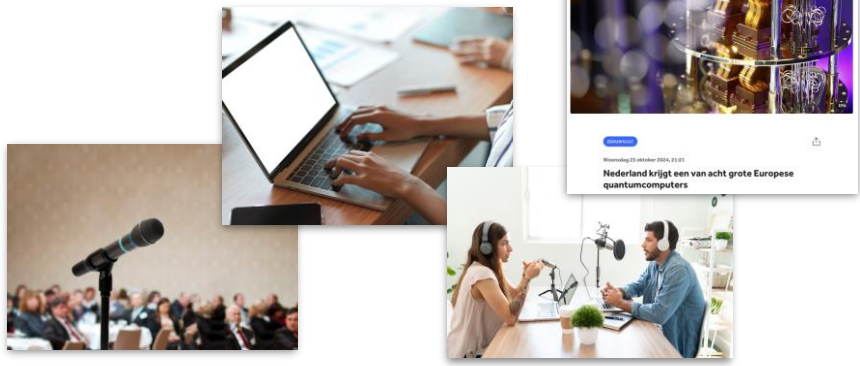
Non-Traditional



Diverse Research Contributions → Traditional | Non-Traditional







Research Contributions in Diverse Web Portals → Dedicated to Scholarship | General Purpose

PLOS arXiv

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slideshare

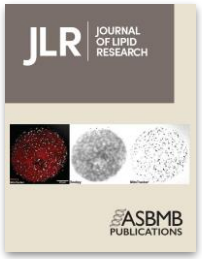
Spotify NOS

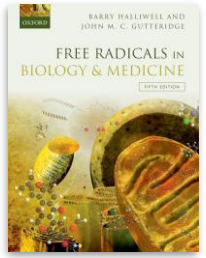
Medium

Diverse Research Contributions

Traditional

Non-Traditional





Research Contributions in Diverse Web Portals

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General Purpose

Infrastructure to discover research contributions in these portals

PLOS arXiv

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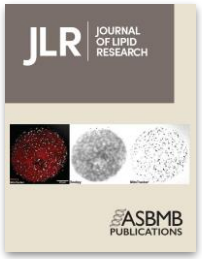
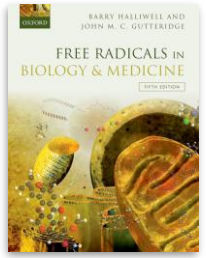




Research Contributions in Diverse Web Portals

Dedicated to Scholarship

General Purpose

Infrastructure to discover research contributions in these portals

Web of Science™

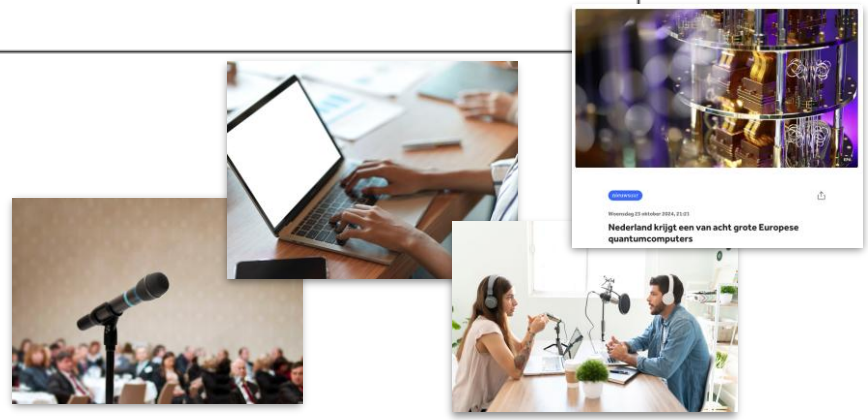
Google Scholar | OpenAlex

CORE Scopus®

PLOS arXiv

TUTA SUB AEGIDE PALLAS · 1683 · BRILL CellPress

Diverse Research Contributions → Traditional | Non-Traditional



Research Contributions in Diverse Web Portals → Dedicated to Scholarship | General Purpose

Infrastructure to discover research contributions in these portals… ⇨

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Spotify

NOS

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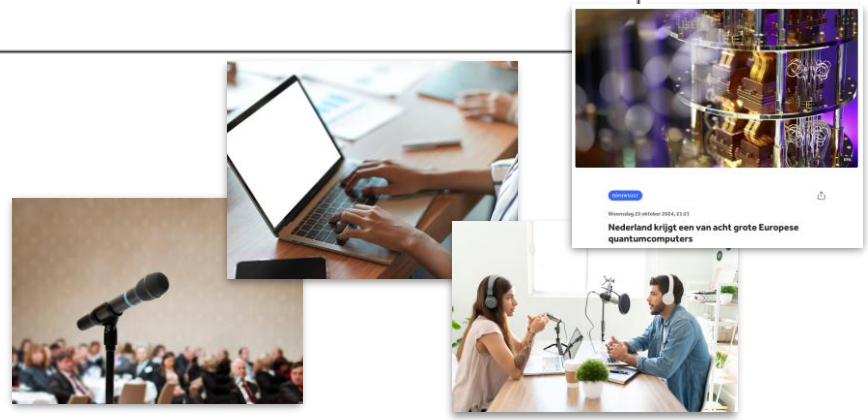
Diverse Research Contributions → Traditional | Non-Traditional



Research Contributions in Diverse Web Portals → Dedicated to Scholarship | General Purpose

Infrastructure to discover research contributions in these portals…

don’t exist…

⇨

slideshare

Spotify

NOS

Medium

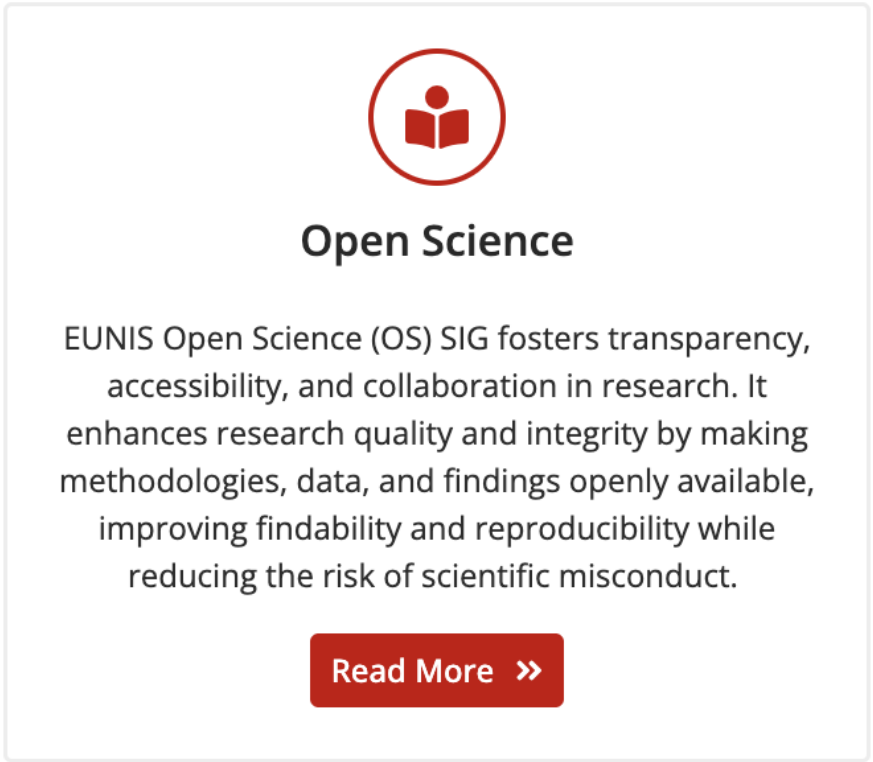
Emerging challenge

New

- Research contributions
- Research Information
- Metadata
- Standards
- Pids
- Infrastructure
- Processes
- Roles & responsibilities

EUNIS Open Science SIG (OS-SIG)

The OS-SIG serves as a platform for coordinating efforts to implement Open Science principles, enhancing openness, visibility, and collaboration across institutions.



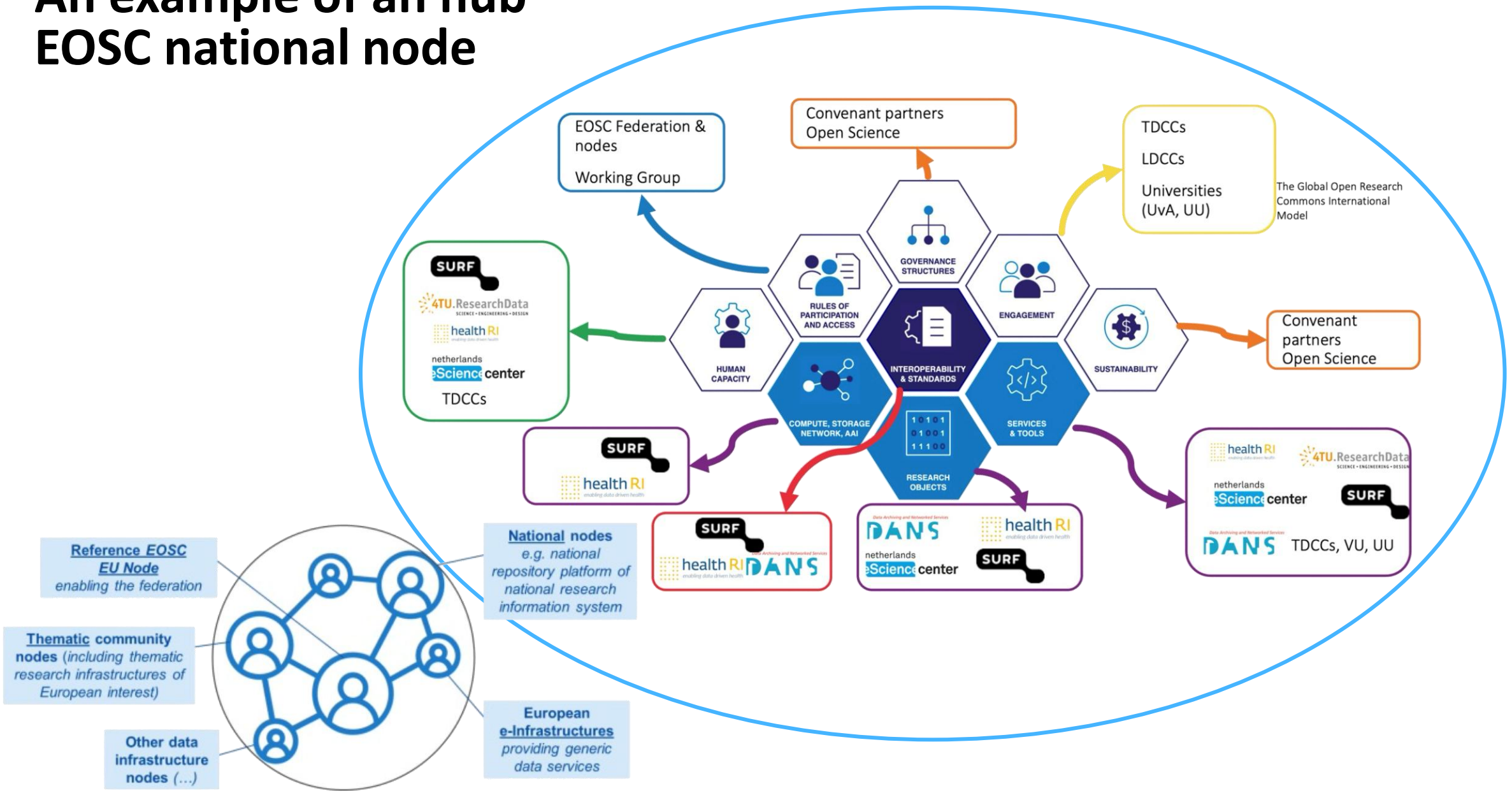
Objectives EUNIS Open Science SIG (OS-SIG)

Addresses **common** and emerging **challenges** that raise questions about the need for **infrastructures**; **security**, **training** and **policies**; the distribution of **roles** and **responsibilities** across different stakeholders (e.g. libraries, computing centres, researchers, institutional leadership); the **assessment** of cultural change in research; or the findability and visibility of **non-traditional research outputs**.

Identifies, collects and curates Open Science activities, resources and lessons learned within EUNIS. In doing so, the SIG **will share and promote good practices** within EUNIS, learn from institutional use cases and highlight exemplary initiatives and measures.

Ties together institutional strategies, good practices, useful tools and workflows to **set up local Open Science Hubs**, serving to promote and bundle Open Science efforts at an institutional level.

An example of an hub
EOSC national node



Survey

Which of the following aspects do you perceive as major obstacles for open science?

Costs and financing

Lack of incentives

Lack of acknowledgment

Sensitive data

Legal uncertainties

Lack of advice, training and support

Lack of competence or qualifications

Political barriers (e.g. international political situation or geopolitical tensions)

Misuse of openness for AI training

Survey

Which of the following areas of Open Science would be of interest to you?

Open Science and academic freedom

New metrics for research assessment

Research data management

Open infrastructures

The impact of Artificial Intelligence on Open Science and vice versa

Transformation of the publication system

Open Research Information

More @ https://eunis.org/task-forces/

Learning Technology

EUNIS Learning Technology SIG is dedicated to advancing the use of digital technology in teaching and learning across European universities. As higher education institutions navigate increasing digital transformation, this SIG will foster collaboration, knowledge exchange, and evidence-based practices in the selection, implementation, and evaluation of learning technologies.

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Open Science

EUNIS Open Science (OS) SIG fosters transparency, accessibility, and collaboration in research. It enhances research quality and integrity by making methodologies, data, and findings openly available, improving findability and reproducibility while reducing the risk of scientific misconduct.

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Benchmarking (BencHEIT)

BencHEIT is a EUNIS Task Force and an annually repeating study where participating universities collect key figures of their IT operations to be able to position themselves, to recognise best practises and to see if their IT is as effective – or better – than elsewhere.

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Enterprise Architecture

The main role of the Enterprise Architecture Special Interest Group is to display the EA work done within the sector, harmonize used terminology, and be an enabler for producing descriptions that can be used for mapping, thus showcasing a European-wide set of HEI services in a unified form.

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Information Security

The EUNIS Information Security (InfoSec) group focuses on the current challenges of the information security field. It aims to share knowledge about information security development and compliance, as well as solutions to support the implementation of the GDPR from the information security point of view.

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Mobility & Digital Credentials

Citizens now more than ever are demanding the convenience and speed of digital services without compromising the security of their private data. The process of issuing and verifying diplomas is one of the core workflows in universities operations, hence there have been numerous initiatives from different institutions across Europe that are exploring the digitization of this process.

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Inclusion & Sustainability in AI (AI4ALL)

The vision of AI4ALL is to promote an inclusive and sustainable AI journey. Its aim is to create a cross initiatives community that fosters the dissemination of information and best practices among EUNIS members and relevant stakeholders in the public sector and academia.

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Thank you for your attention

www.surf.nl

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