

NEXUS

Services for Open Science

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ICM University of Warsaw and its role in OS

- Poland
 - Virtual Library of Science
 - Open Science Platform — services for open science:
 - The Library of Science
 - Data Repositories: Repository for Open Data, Social Data Repository, Macromolecular Xtallography – Raw Data Repository
 - CeON Repository
 - CeON Aggregator

OPENAIRE

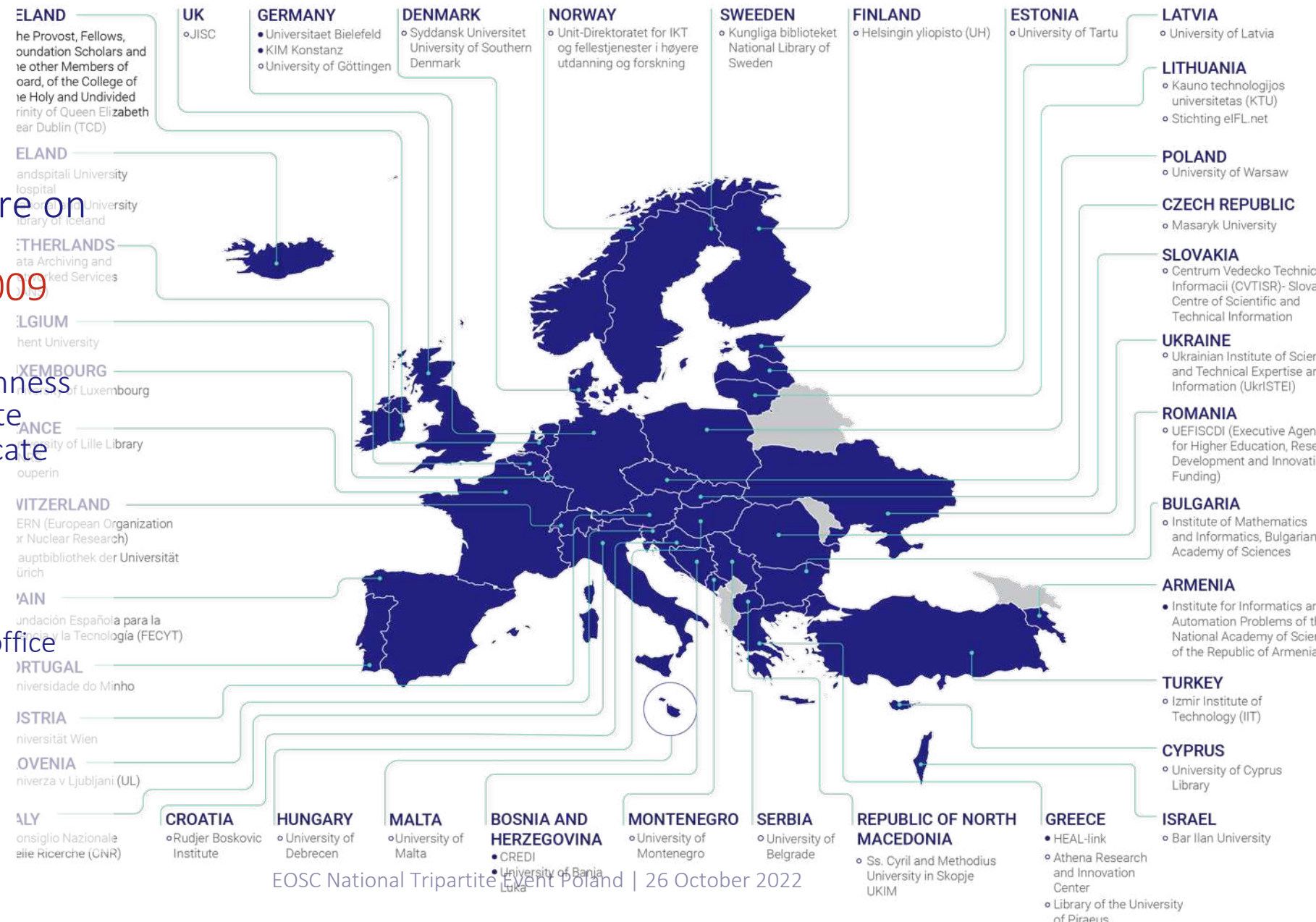
A European infrastructure on open scholarly communication since 2009

Mission: Shift scholarly communication towards openness and transparency and facilitate innovative ways to communicate and monitor research.

Non-profit organization

- Established Oct 2018
- Headquarter Greece, virtual office
- 48 members
- From 34 countries

- ASSOCIATE MEMBERS
- REGULAR MEMBERS



ICM University of Warsaw and its role in OS

- European level
 - currently a member of OpenAIRE AMKE, partner in all previous OpenAIRE projects
 - technical side
 - operation and maintenance of services in the OpenAIRE infrastructure
 - expertise in TDM to produce the OpenAIRE Research Graph

National Open Access Desk in Poland

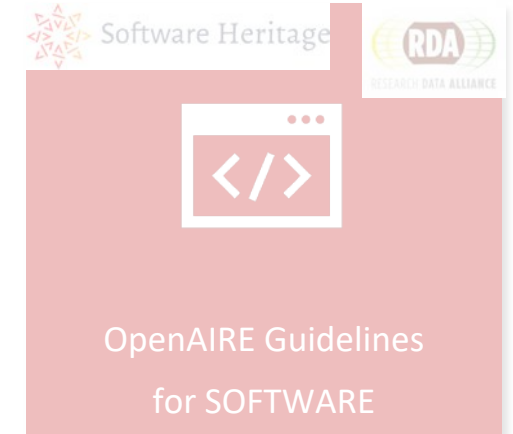
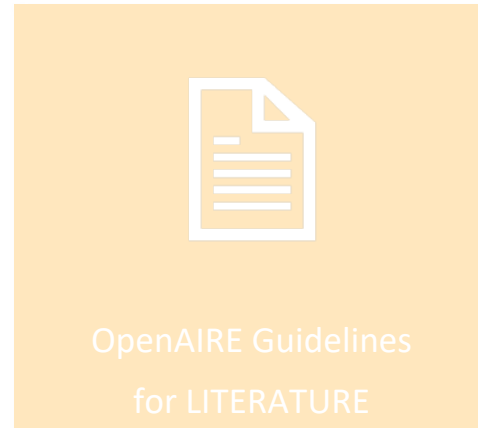
- 2020, OpenAIRE National Open Access Workshop on open access policies and RDM requirements and good practices
 - over 90 and 60 participants (two events)
 - a follow-up: creating a network of Open Access Coordinators
- contact point
 - support for researchers in Poland
 - updating information on OS in Poland

#1 – Interoperability

it's about onboarding, connecting, discovering

GUIDELINES FOR CONTENT PROVIDERS

A COMMON METADATA FRAMEWORK FOR EXCHANGING MIN METADATA INFORMATION

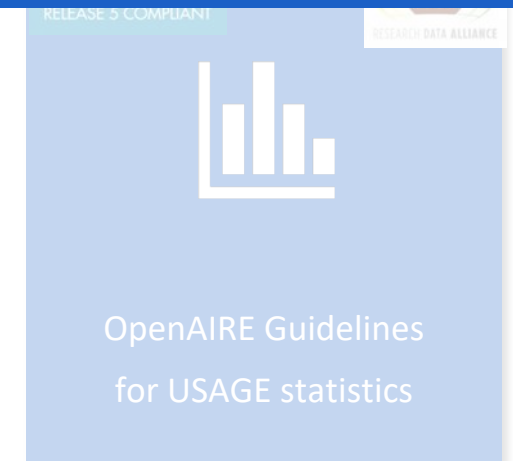
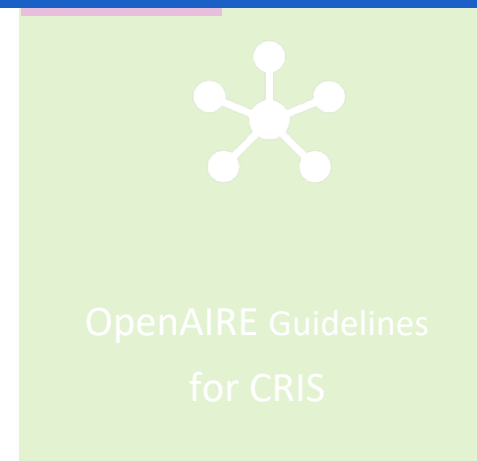
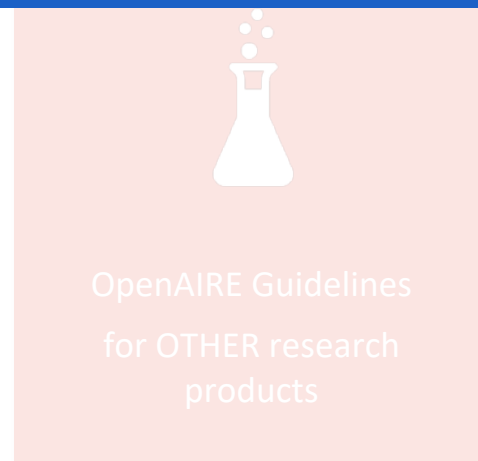


Part of EOSC RoP for Content Providers (EIF). Global adoption.

Draft OpenAIRE Guidelines for
Software Repository Managers

Draft OpenAIRE Guidelines for Other
Research Products

<https://guidelines.openaire.eu>



#2 – Services

for all R&I actors

OPENAIRE SERVICES **IN A NUTSHELL**



1

Tracking open research

Reproducibility and transparency require tracking of all outcomes of science and related "context"



2

Discovering open research

Discovery of reproducible science outcomes must find new ways, driven by "scientific intentions" that go beyond the "find articles related to a research topic"

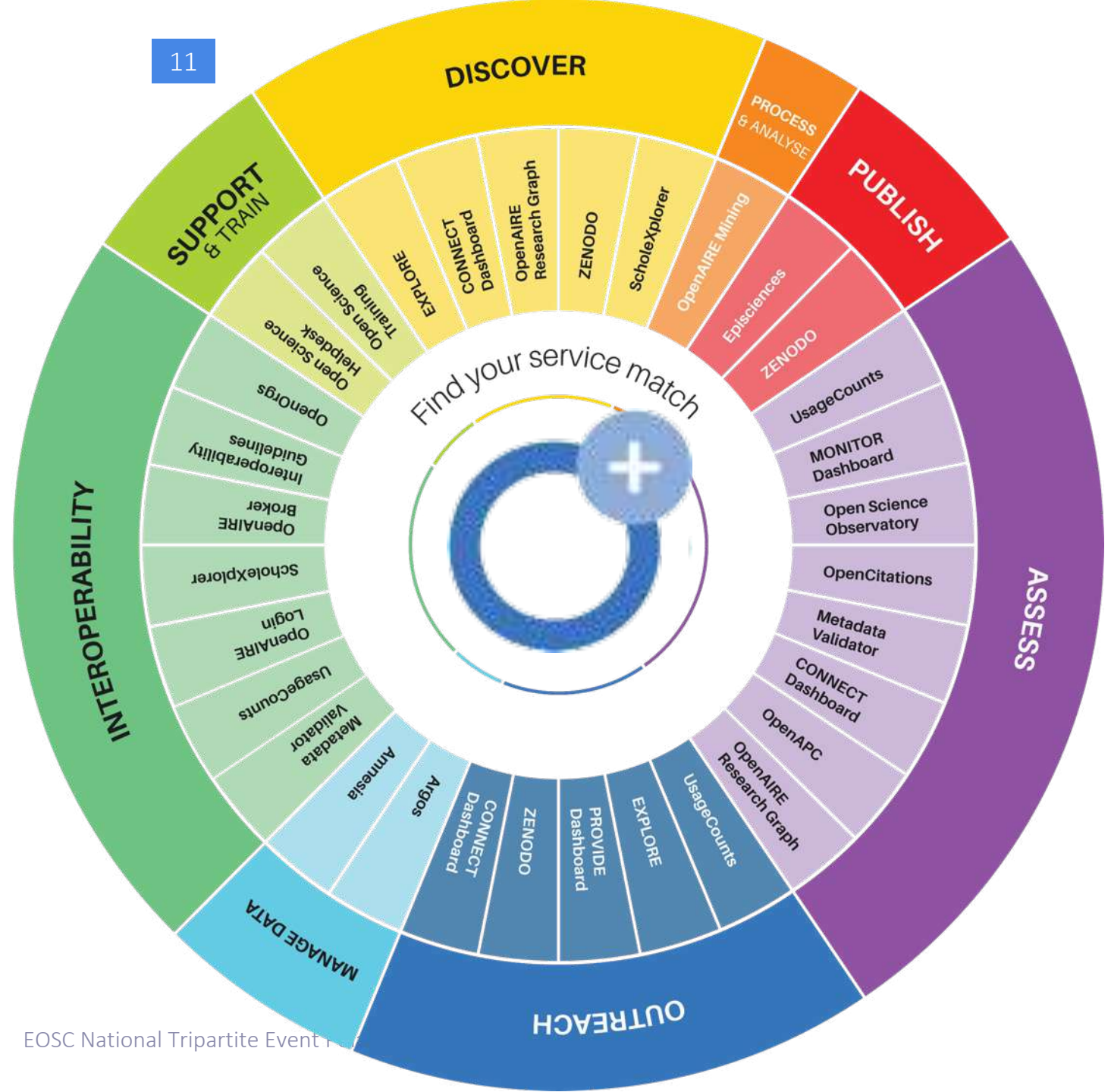


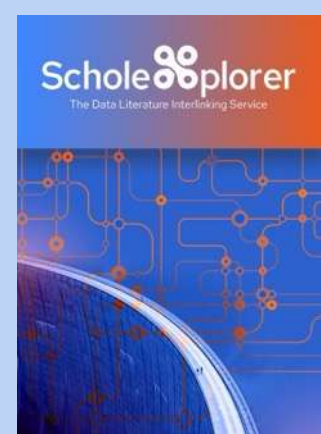
3

Monitoring (open) research

Monitoring quality, impact, and "open scienceness" of science should be a transparent, reproducible process for all, inclusive of research "context"

A RANGE OF SERVICES COVERING ALL RESEARCH LIFE CYCLE





Scholarly
communication
services
for all

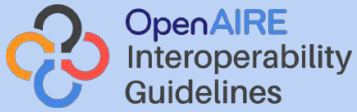
<http://catalogue.openaire.eu>



#3 – OpenAIRE services & EOOSC

contributing to the EOOSC Core

OPENAIRE SERVICES IN EOSC



Setting compliance of EOSC data sources



OpenAIRE

OpenAIRE Guidelines for USAGE standards

OpenAIRE Guidelines for DATA Repositories

OpenAIRE Guidelines for OTHER research products

OpenAIRE Guidelines for CRIS



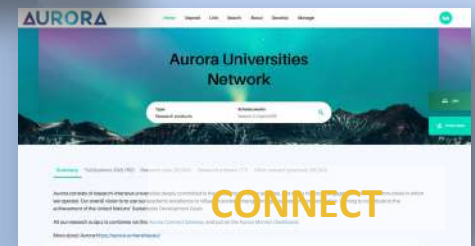
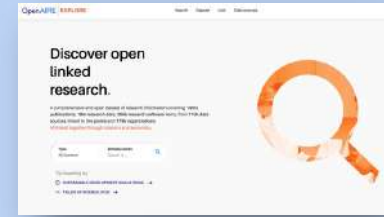
Register
Validate
Usage data

Compliance

EOSC scientific product catalogue



Publishing



Discovery & Monitoring

OPENAIRE SERVICES IN EOSC

1. Openness

EOSC is based on the principle of openness



For end-users

- EXPLORE**: To discover open access institutional research resources. **60,391,907** Open Access records
- RESEARCH**: To track major scientific activities and funding based on open publications. **21** Countries
- OPENSCIENCE OBSERVATORY**: To track Open Access policies and activities at national level. **44** Countries
- zendo**: To publish and discover open content. **2.5M+** Research publications
- EPJ SCIENCE**: To publish in discipline open access journals. **24** Journals
- Openaire**: To streamline scientific publications, preprints and published items in Open AIRE. **2955** Open Access records

For service providers

- PROVIDE**: To increase visibility, discoverability and reusability of open research data (the OpenAIRE Commons). **9K+** Journals, **2K+** Books, **140** Journals
- OpenAIRE Europe**: To track major energy and sustainable research of energy activity. **300** Journals, **185M+** Publications
- CC**: To track open bibliographic and citation data. **1,284,283,603** Citations
- open@PC**: To track open access publishing costs. **341** Journals, **731+** Books, **8.7K+** Journals

OPEN

2. FAIRness

EOSC resources align with FAIR principles

For end-users

- EXPLORE**: To discover open access institutional research resources. **153,983,260** Open Access records
- ORCID**: To track major scientific activities and funding based on open publications. **700+** Countries
- OpenAIRE Commons**: To track major energy and sustainable research of energy activity. **12** Journals
- DOI**: To track open bibliographic and citation data. **8710** Citations
- EPJ SCIENCE**: To publish in discipline open access journals. **4778** Journals
- OpenAIRE Europe**: To track major energy and sustainable research of energy activity. **4,371,166** Publications
- OpenAIRE Commons**: To track major energy and sustainable research of energy activity. **13** Journals, **7** Books, **7** Journals
- OpenAIRE Commons**: To track major energy and sustainable research of energy activity. **44** Journals

For service providers

- ScholarXplorer**: To track major scientific activities and funding based on open publications. **392,266,774** Open Access records
- OpenAIRE Europe**: To track major energy and sustainable research of energy activity. **32,997,326** Publications
- CC**: To track open bibliographic and citation data. **72,268,850** Citations
- open@PC**: To track open access publishing costs. **167K+** Journals, **€ 282M+** Publications

3. EOSC architecture

OpenAIRE services used at the Core of EOSC



For end-users

- OPENSCIENCE OBSERVATORY**: To track Open Science Maturity in the EU. **open**, **findability**, **accessibility**, **interoperability**, **reusability**
- OpenPlato**: To foster modular Open Science training for capacity building. **open**, **findability**, **accessibility**, **interoperability**, **reusability**

For service providers

- OpenAIRE ResearchGraph**: To explore EOSC research outputs, resources and relationships. **open**, **findability**, **accessibility**, **interoperability**, **reusability**
- PROVIDE**: To enable interoperability of metadata across content providers. **open**, **interoperability**
- AAI**: To authenticate and authorise users to access the EOSC Portal. **open**, **accessibility**

ICM University of Warsaw and its role in OS

- EOSC Association and Task Forces
- Upskilling Countries to Engage in EOSC
- Defining Funding Models for EOSC
- Rules of Participation Compliance Monitoring
- Infrastructure for Quality Research Software
- PID Policy and Implementation

Thank you!

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