

Open Science Aware Responsible Research Assessment

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Special Session: Evaluation at the interface OS and RRA

Overview

- GraspOS brief overview
- Open Science Assessment Framework
- Open and Federated Research Assessment Infrastructure

The logo for GraspOS, featuring the text "graspOS" in a lowercase, sans-serif font. The "O" is a light blue circle. To the right of the text are three vertical bars of increasing height, colored light blue, light blue, and light blue from left to right. The logo is positioned to the right of a thick vertical blue bar that runs down the right side of the slide.

graspOS

GraspOS at a glance

Develop, assess and put into operation an **open and trusted federated infrastructure for next generation research metrics and indicators**.

Open Science Assessment Framework: translating OS/RRA principles into practice

An Open and Federated Research Assessment Infrastructure: Offers **data, tools, services** and **guidance** to support and enable policy reforms for research assessment.

At three levels

- individual/group researchers
- research and funding performing organisation
- country

Budget: 2.985M

Start date: 1/1/2023

Duration: 36 months

A multidisciplinary consortium

Infrastructure experts



RRA + OS experts



Communities



Consiglio Nazionale
delle Ricerche



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



Federation of Finnish
Learned Societies



UNIVERSITY OF
EASTERN FINLAND



CSC



open scholarly communication in the european
research area for social sciences and humanities



Faculty of Chemistry
University of Belgrade



Utrecht
University



TÜBİTAK



Open Science Assessment Framework (OSAF)



OSAF: Translating Principles to Practice

ARRA - Agreement on Reforming Research Assessment (priority commitments)

- Recognise the **diversity of contributions** in accordance with the needs and nature of the research
- Base assessment primarily on qualitative evaluation supported by quantitative indicators
- Abandon inappropriate uses journal- and publication-based metrics, in particular (JIF) and h-index
- Avoid the use of rankings of research organisations in research assessment

Scope Framework (principles)

- Evaluate only where necessary
- Evaluate **with the evaluated**
- Draw on evaluation expertise

OSAF: Translating Principles to Practice

Open Science Assessment Framework (OSAF)

OSAF Method

- Stakeholder engagement
- Start from where you are
- Groundwork for the future

Guidelines, operationalize OS/RRA

Assessment Portfolio(s)

- PID + metadata record (RAiD)
- Narrative + Evidence
- Diversity of inputs & roles
- Researcher/group/institution

Guidelines, Assessment portfolio

Assessment Registry

- PID + metadata record (RAiD)
- Contextualized protocol
- Searchable database

Guidelines, Assessment registry

9 pilots - codevelopment partners

- 2 national organizations
- 4 Universities (RPOs)
- 3 Thematic disciplines



OSAF as infrastructure

Infra →

OSAF →

Pilots →

OSAF Method

- Stakeholder engagement
- Start from where you are
- Groundwork for the future

Guidelines, operationalize OS/RRA

Self-assessment

- Values
- Context
- Purpose
- Preparedness

Register portfolio

- assessment narrative
- contextual factors

Assessment Portfolio (RAiD)

- PID + metadata record
- Narrative + Evidence
- Diversity of inputs & roles

Guidelines, Assessment portfolio

Evidence strategy

- Assessment options
- Collaborative collection
- OPUS/RAF
- Indicators toolbox

Select / define:
data, services, tools and indicators

Register protocol

- assessment description
- self assessment

Assessment Registry (RAiD)

- PID + metadata record
- Contextualized protocol
- Searchable database

Guidelines, Assessment registry

Transparency & community

- Assess the assessment
- Share the protocol

protocol

- selected tools
- data sources
- indicator calculations



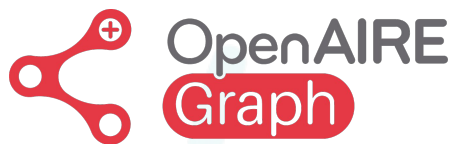


graspos
open research metrics dataspace

Open and Federated Research Assessment Infrastructure



A broad range of diverse inputs for RRA



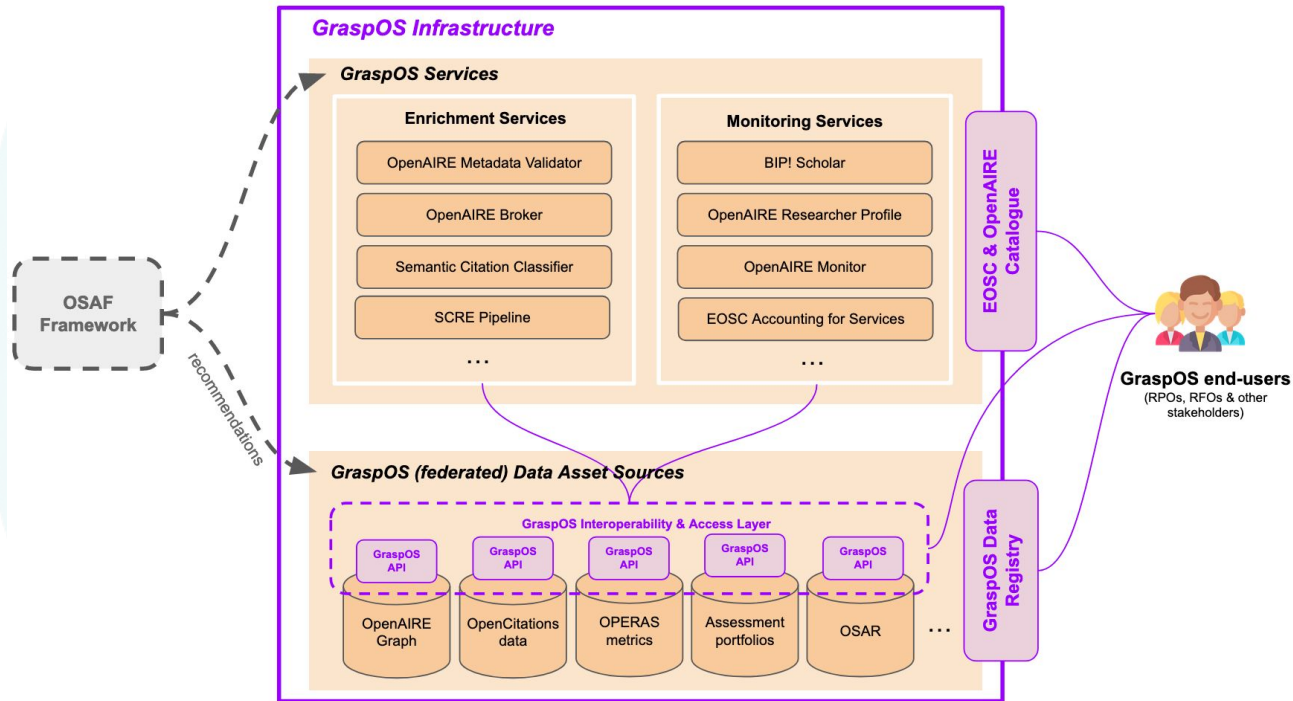
FAIRCORE4EOSC



What – in a nutshell

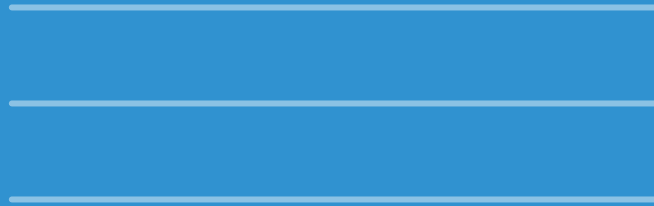
- Develop **fit-for-purpose tools and services** with the necessary characteristics to accelerate adoption of and support OS-aware RRA practices:
 - **broad coverage** by including multiple types of research results beyond literature and enriching the existing data assets with additional information and semantics
 - **novelty** by introducing indicators related to the practice of OS
 - **inclusivity** by including diverse types of evidence beyond research results and indicators (e.g., narrative CV, texts)
 - **interoperability by design** of data sources
 - a mix of **automated (AI)** and **manually curated and annotated** indicators
- **Develop and operationalize** an infrastructure for metrics (data-tools-services)

GraspOS infrastructure



Let's make it happen! Together.

THANK YOU



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