



 **OpenAIRE** | **MONITOR**  
**Institutional Dashboard**

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# OpenAIRE MONITOR



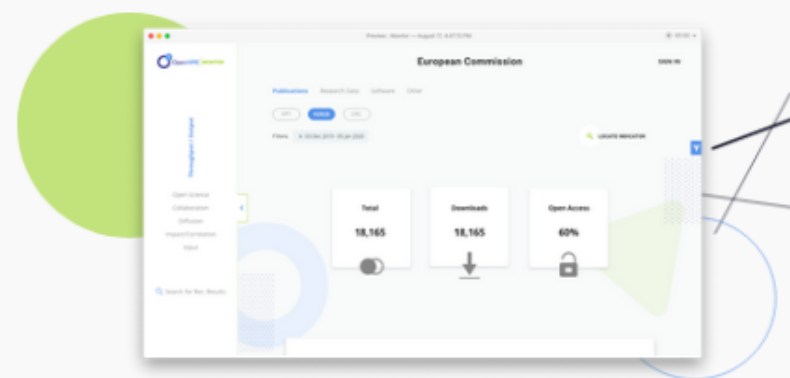
EXPLORE PROVIDE CONNECT MONITOR DEVELOP

ABOUT BROWSE CONTACT US SIGN IN

## A new era of monitoring research.

Open data. Open methodologies.

Work together with us to view, understand and visualize research statistics and indicators.



## **Why?** *Tailor-made* monitoring, made easy

**Monitor** and **evaluate** research activities in a **reliable** and **timely** manner

Understand **research funding pathways** along key dimensions

Assess **open science policy uptake** and **impact on the society**

See **what works and what not**, reveal **hidden potential**

Implement **good practices**

**Showcase** your performance

Turn data into insights → **evidence-based decision-making**

monitoring | decision-making  
analysis  
story-telling | reporting



# MONITOR On-Demand Dashboards

## Institutional

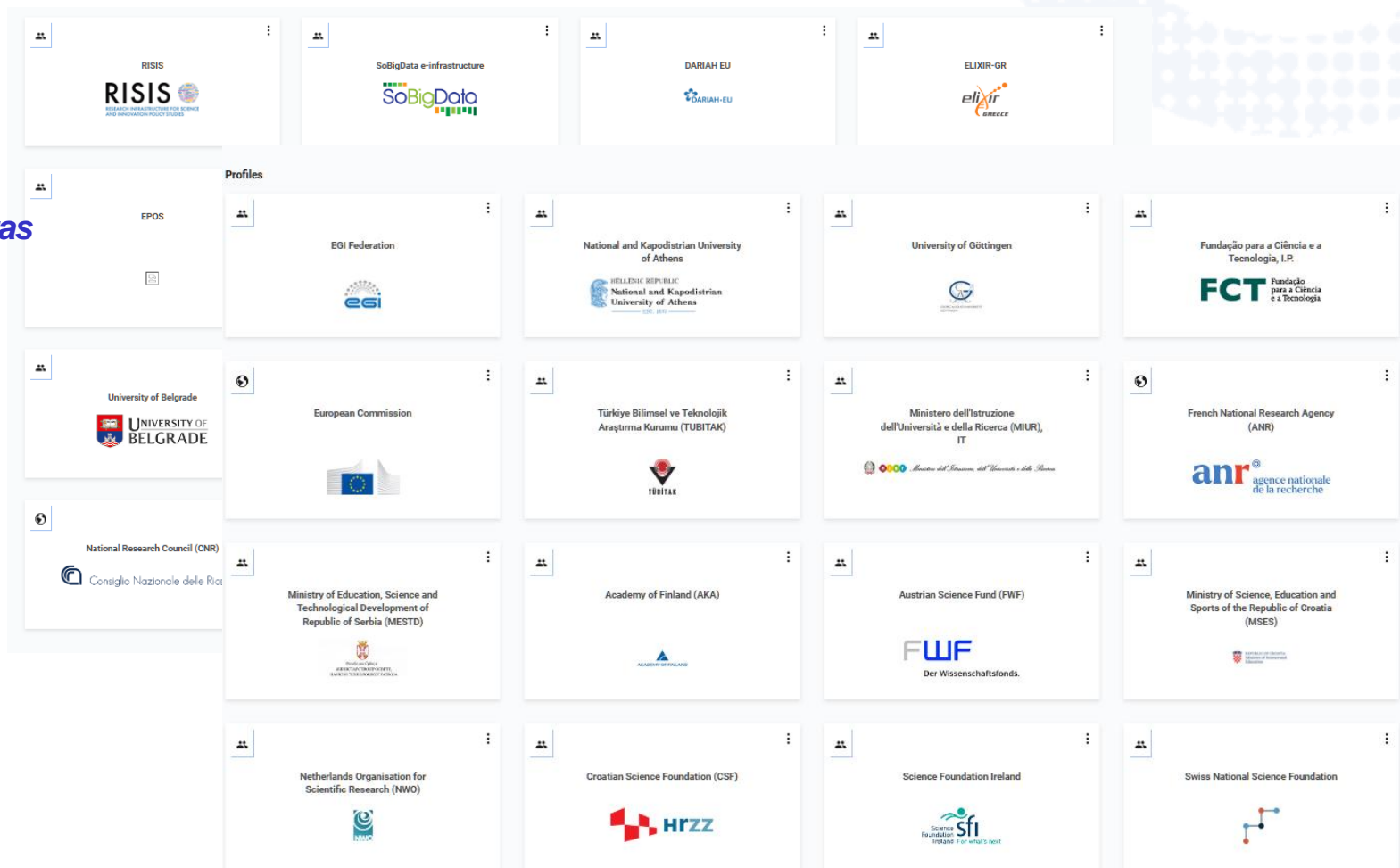
- 12 dashboards
- 9 on the way
- *Co-design expert – Leonidas Pispiringas*

## Research initiatives

- 7 dashboards
- 2 on the way
- *Co-design expert – Alessia Bardi*

## Funder

- 14 dashboards
- 7 on the way
- *Co-design & text mining expert – Harry Dimitropoulos*



# How? It's all about open data

*Guiding Principles: openness - usability - replicability*

Data and visualization monitoring platform

- Built on the **OpenAIRE Research Graph**

Linked scholarly information from open initiatives around the world. Beyond publications.

- Based on **Open Science principles**

Open data sources, Open APIs, well documented metrics and indicators.

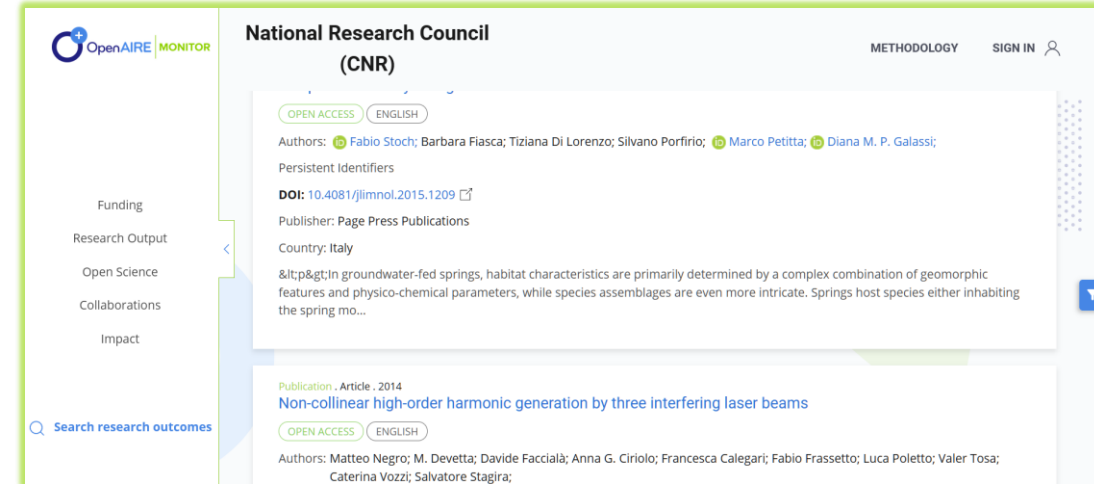
- Relevance for the **institution**

Indicators development & visualizations to meet institutional requirements.



# What? Track research activities & their impact

- User-friendly **data** and **visualization** platform
  - exporting capabilities (download data & visualizations in different formats)
  - filtering
  - research product browsing (the data behind the indicators)
  - (*partial*) editing of visualizations
- **Customized & validated** in one-on-one sessions with our experts
- Separate
  - **Public** indicators for external stakeholders – *Showcasing*
  - **Restricted** indicators for **team-members** – *Internal Monitoring*
  - **Private** indicators for “work in progress” - *Reviewing*
- Browse, download & compare indicators of other stakeholders





# What? Indicators

## INDICATOR THEMES

### Currently Covered ✓



#### Funding

- Grants/Projects



#### Research Output

- Publications, Datasets, Software, Other Research Products



#### Open Science

- FAIRness
- Access Rights, Open Access Routes
- Article Processing Charges
- Journal Business Models - e.g., transformative



#### Networks & Collaborations

- Via Project Participations



#### Impact

- Reach & Frequency

### Roadmap P.→P



On-going improvements on current indicators, co-designed with institutions



Plan S Compliance



UN Sustainable Development Goals



Fields of Science

OECD disciplines/FORD classification scheme as developed within the framework of the Frascati Manual

# What? Indicators breakdown

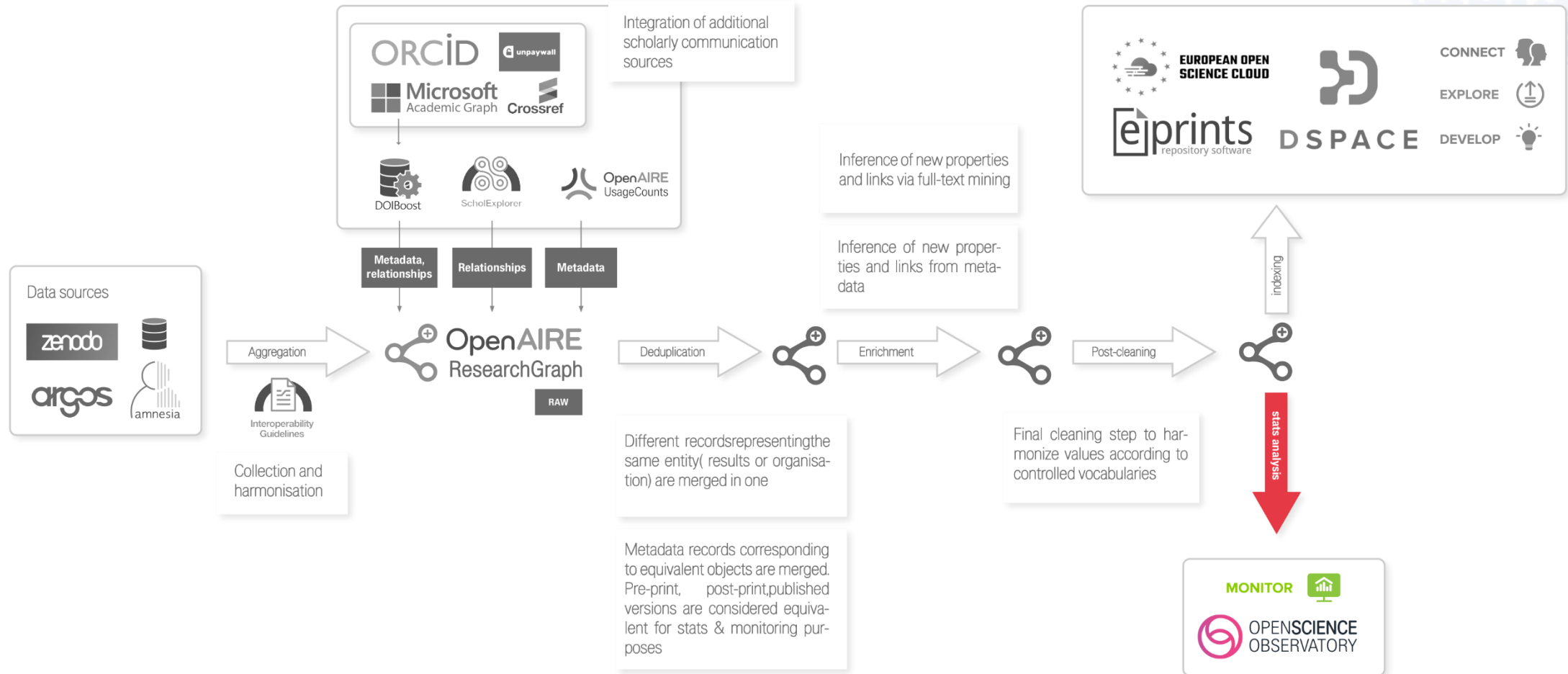
## By fields of interest

- research activity type: publications, datasets, software, projects
- time
- data sources
- organizations, etc.





# What? The data behind the indicators



# What? The data behind the indicators

Importance of **organization disambiguation** for **reliable** and **consistent** indicators



- **de-duplicate organizations** (multiple names)
- **identify parent-child relationship** (departments/schools, etc.)

# What? The data behind the indicators

## Monitoring Pillar: Data Quality

- major research output outlets
- project outputs (major funders, inference, after project end)
- research product links (preprints – publications – data – software)
- country output

➔ deduplicated, cleaned, visible, searchable



**MONITOR**

**DEMO**

*sample institutional dashboard @*  
<https://monitor.openaire.eu/dashboard/gau>



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THANKS