



Ioanna Grypari, Alessia Bardi
Athena Research and Innovation Center



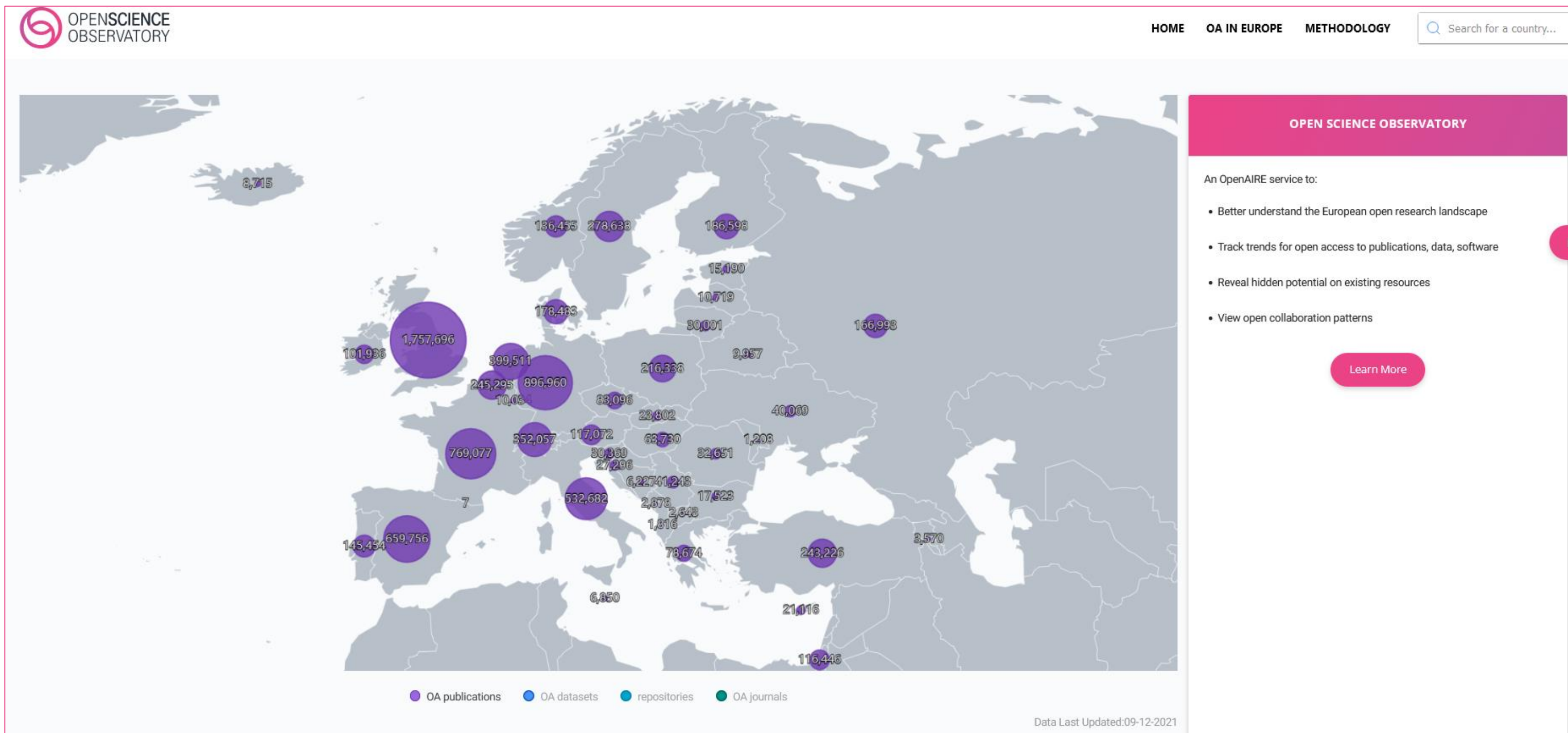
OPENSOURCE
OBSERVATORY

Understanding the European open science landscape
osobservatory.openaire.eu



Open Science Observatory

osobservatory.openaire.eu



Why? bringing leadership and disruption

- Better understand the European Open Science landscape
- Monitor and *enhance* open science policy uptake
 - research activities & their impact on the society
- Compare at levels of interest
- See what works and what not, reveal hidden potential
- Turn data into *insights*
- Promote good practices

monitoring *policy-making*
story-telling *reporting*
analysis

How? It's all about open data

Completeness, transparency and replicability

- 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 community
 - Indicators development & visualizations to meet community requirements



What?

- User-friendly **data** and **visualization platform**
 - exporting capabilities (download data & visualization in different formats)

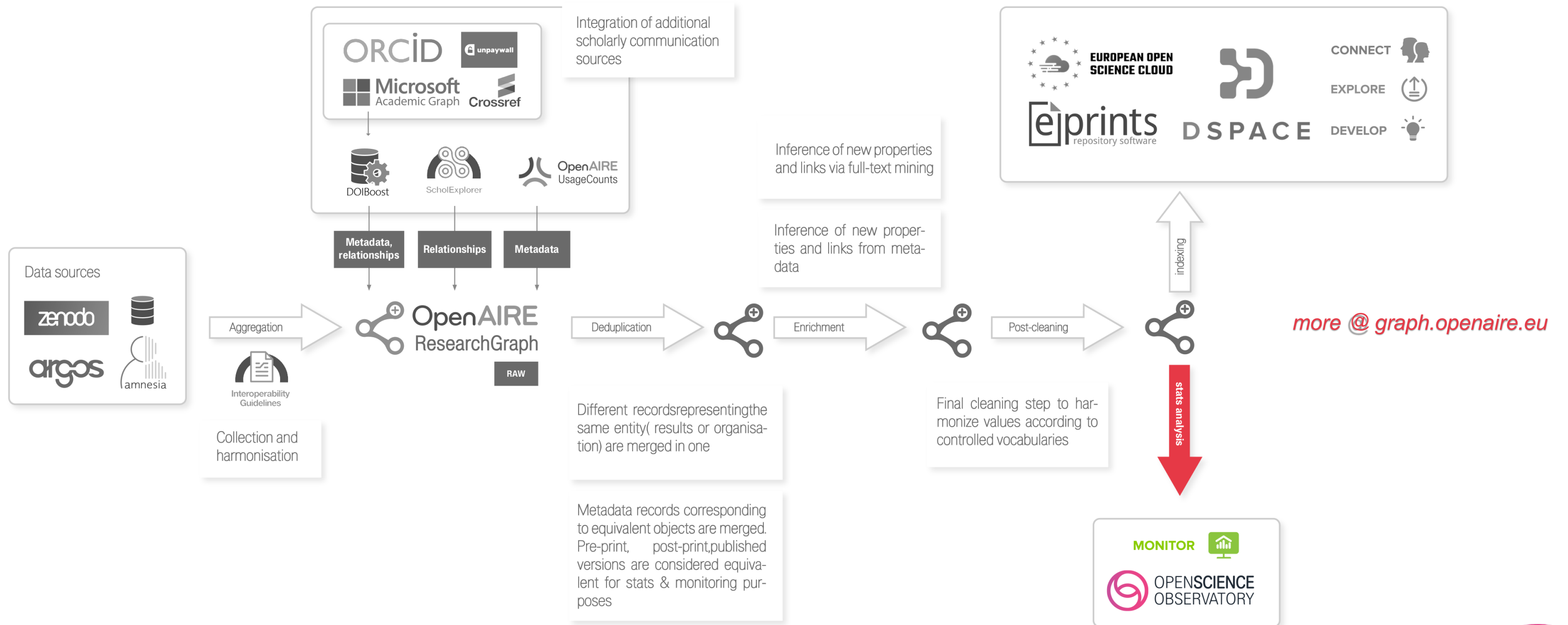
- Indicators to track and evaluate progress of **open science uptake**
 - **all of Europe**
 - **within each country**

(n.b. The OpenAIRE research graph has global coverage, OSO Europe for now)

- Funder & institutional views on open science — [OpenAIRE Monitor](#) (on demand)



What? The data behind the indicators



What? The data behind the indicators

- **Country-level** indicators
- Results **affiliated to a country** (*default*)
 - result – organization – country link (*e.g. A publication is written by an author, in University of Athens, which is in Greece*)
 - result – institutional repository – country link (*e.g. A publication is deposited in University of Athens' repository, which is in Greece*)
 - **Next up to be included:** result – national aggregator – country link
- Results **deposited in a country's repositories**



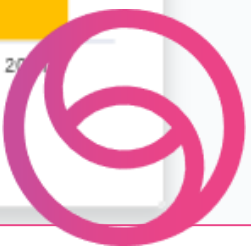
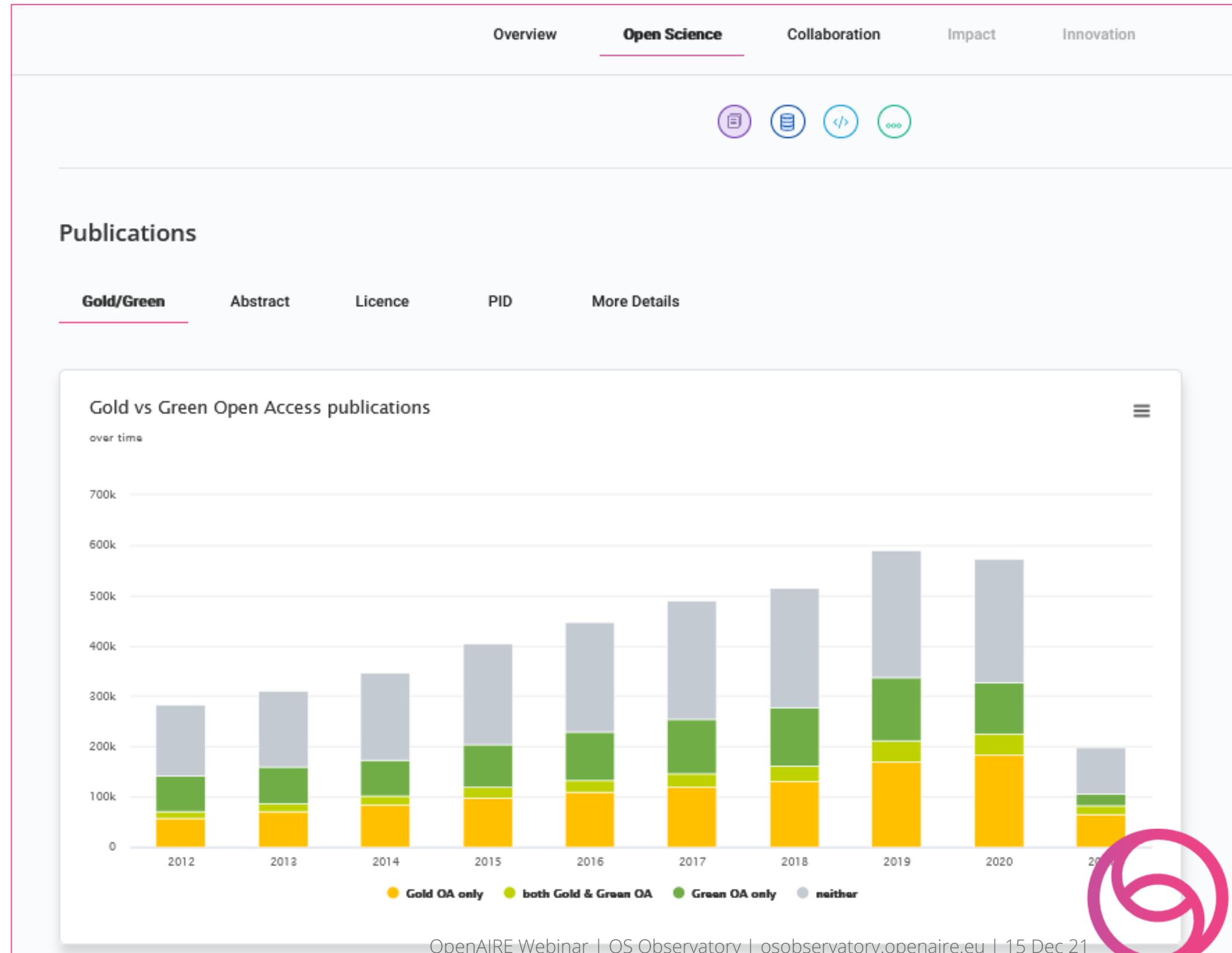
What? Indicators (*Roadmap Spring 2022)

- open science indicators

- different openness metrics
- F.A.I.R. principles
- Plan S compatibility & transformative agreements
 - Ilaria Fava and Najko Jahn (University of Göttingen)
- APCs

- indicators on OA research output

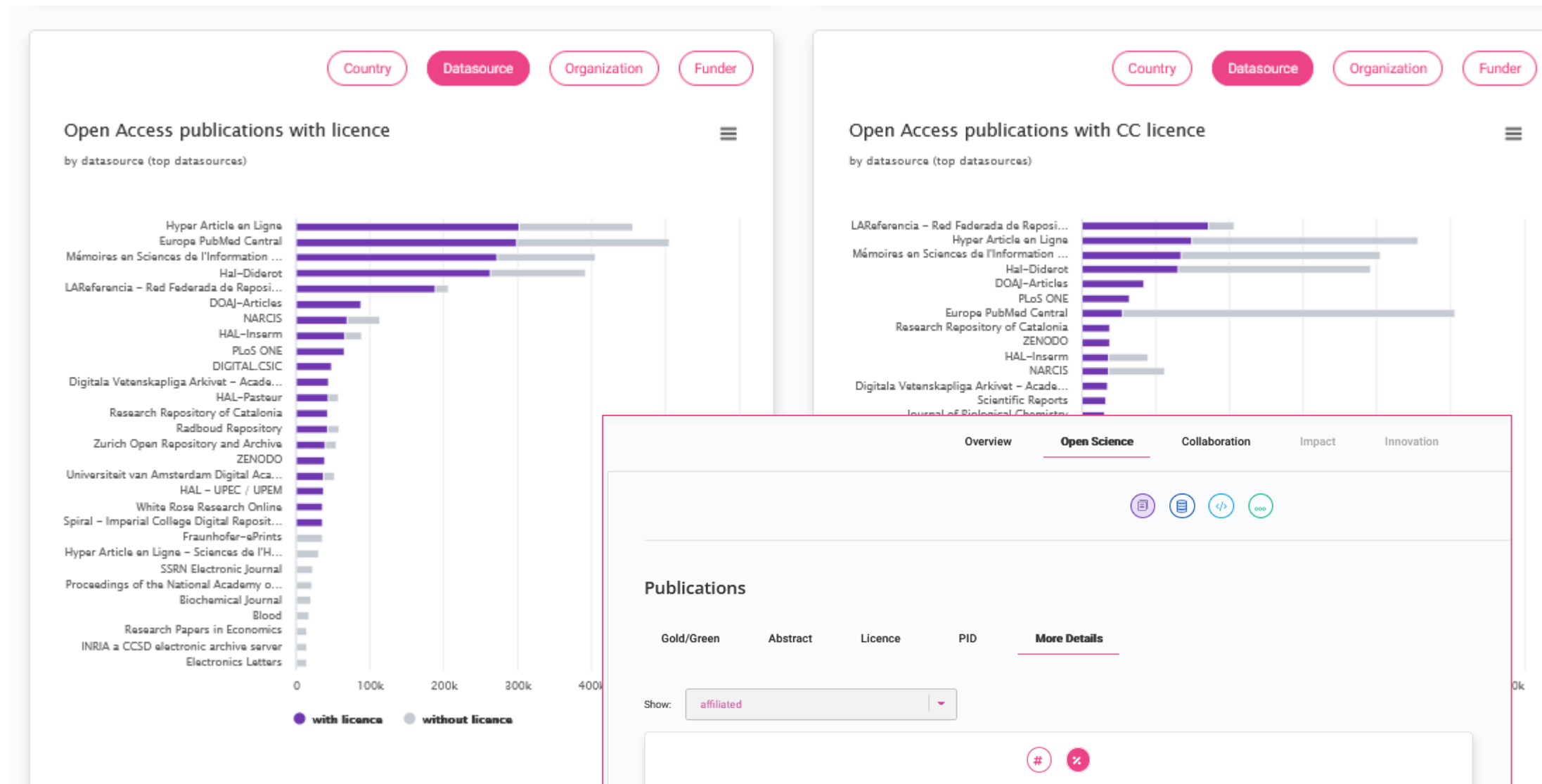
- network & collaborations
- usage stats, citations
- (SDGs)



What? Indicators breakdown

- Broken down by **fields of interest**

- research outcomes (publications, research data, software)
- time
- countries
- datasources
- organizations, etc





OPENSOURCE
OBSERVATORY

Demo

osobservatory.openaire.eu



Further down the road

Unfolding the open science story

- Per **scientific field** (FoS classification of research outcomes)
- **Global open science landscape** (*under consideration*)

Impact Analysis

- *How does the progress of **Open Science uptake** across/within countries and scientific fields affect the research landscape?*





@openaire_eu
#OpenAIRE-Nexus

THANK YOU

Questions/Comments

igrypari@athenarc.gr

