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Understanding the European open science landscape
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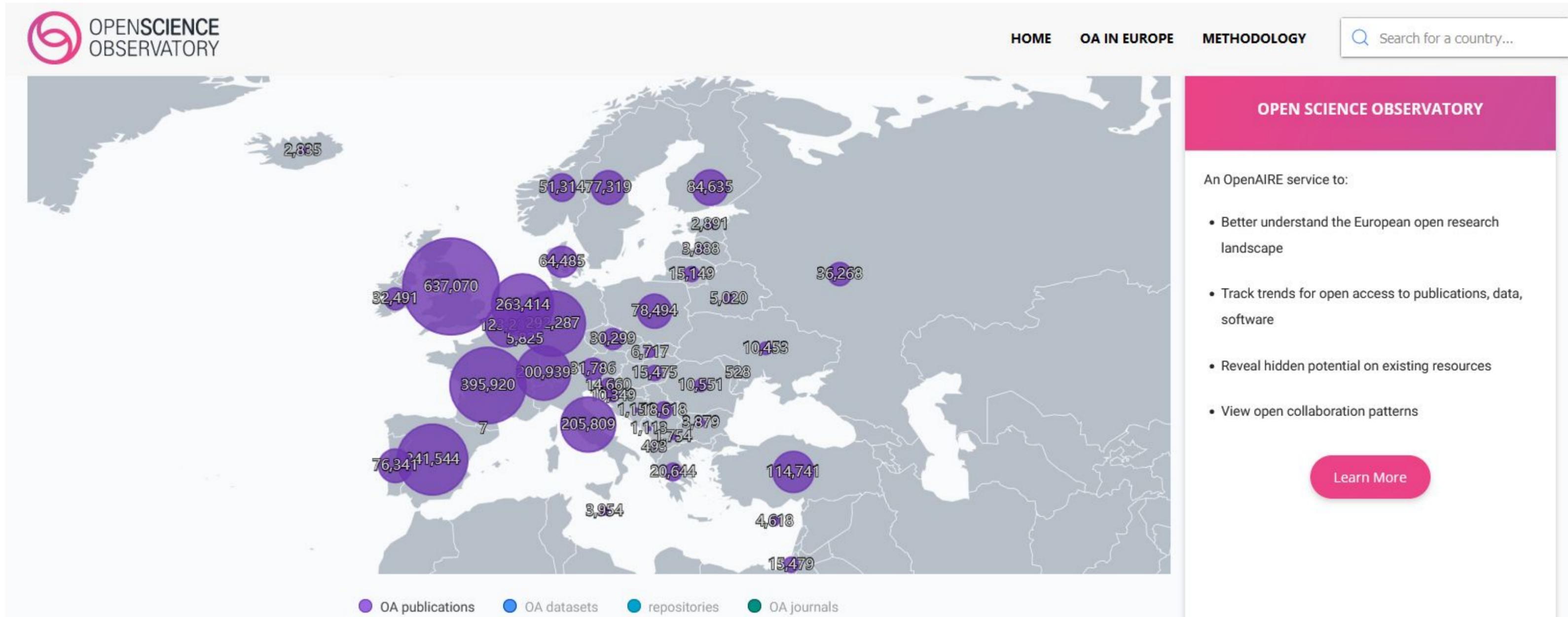


OSFair 2021 | Open Science Observatory Demo | osobservatory.openaire.eu



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
- See what works and what not, reveal hidden potential
- Compare at levels of interest
- Turn data into insights
- Promote good practices

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

How? It's all about open data

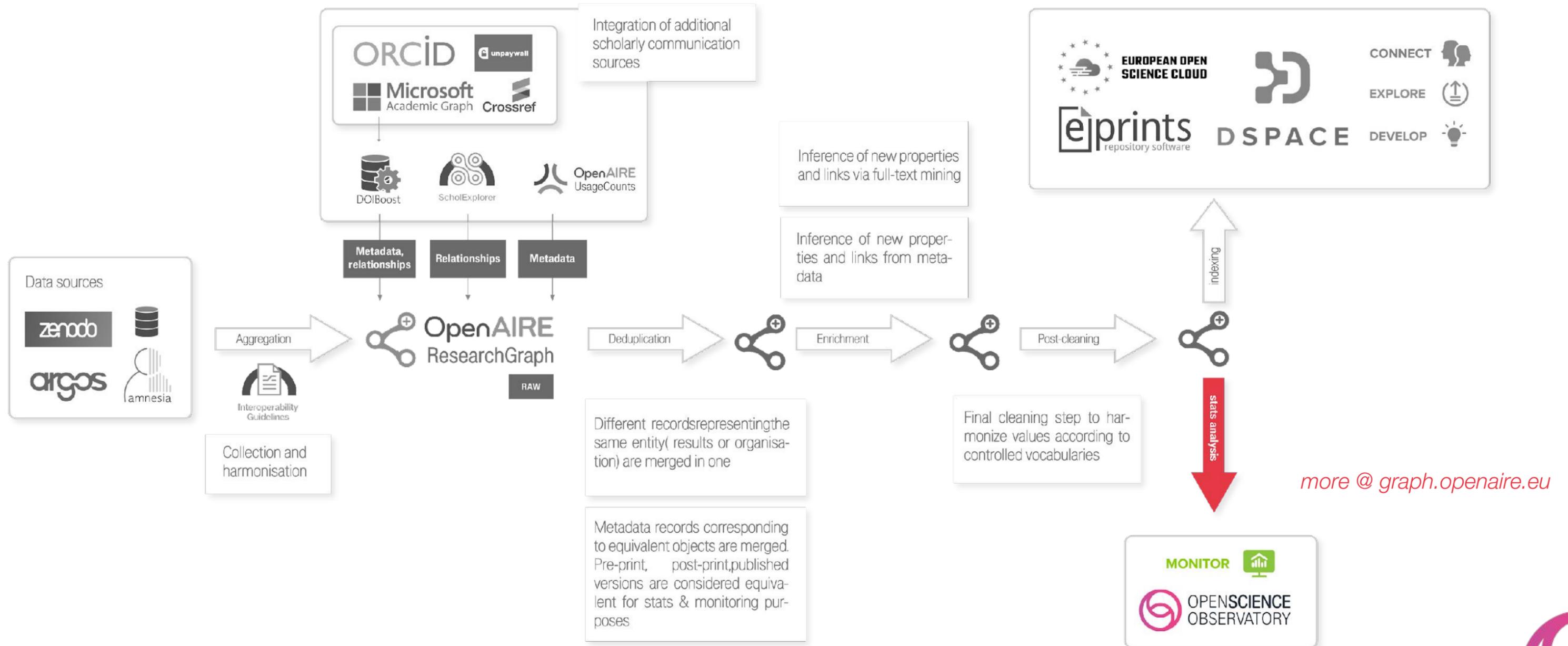
Completeness, transparency and replicability

- 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



How? It's all about open data

Completeness, transparency and replicability



What?

- User-friendly **data** and **visualization platform**
 - exporting capabilities**open science uptake across & within European countries** (*n.b. The OpenAIRE research graph has **global** coverage*)
- **open science indicators**
 - different openness metrics
 - F.A.I.R. principles
- **indicators on** open access research output, collaborations, impact
- broken by **fields of interest**
 - research outcomes (publications, research data, software)
 - datasources
 - organizations, etc.
- Funder & institutional views on open science — [OpenAIRE Monitor](#) (on demand)





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Demo

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Roadmap



Roadmap

- **Unfolding the open science story**

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

- **Cont'd development of indicators**

- OpenAIRE research graph
- FAIR aspects, publications costs (APCs), collaborations (network analysis)
- SDG classification of research outcomes



Further down the road – impact analysis

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

- **Visibility:** usage statistics
- **Citations:** Open Citations, CrossRef, ScholExplorer, text mining
- **Networks & Contagion**





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THANK YOU

Questions/Comments

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