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An Open Access/Open Science infrastructure for Europe



EKT/OpenAIRE Workshop on Open Science
Athens - June 15, 2017



@openaire_eu



Fosters the **social** and
technical to facilitate the shift
of scholarly communication
towards making science **open**
and **reproducible**

It's all about openness

Open Access is here to stay

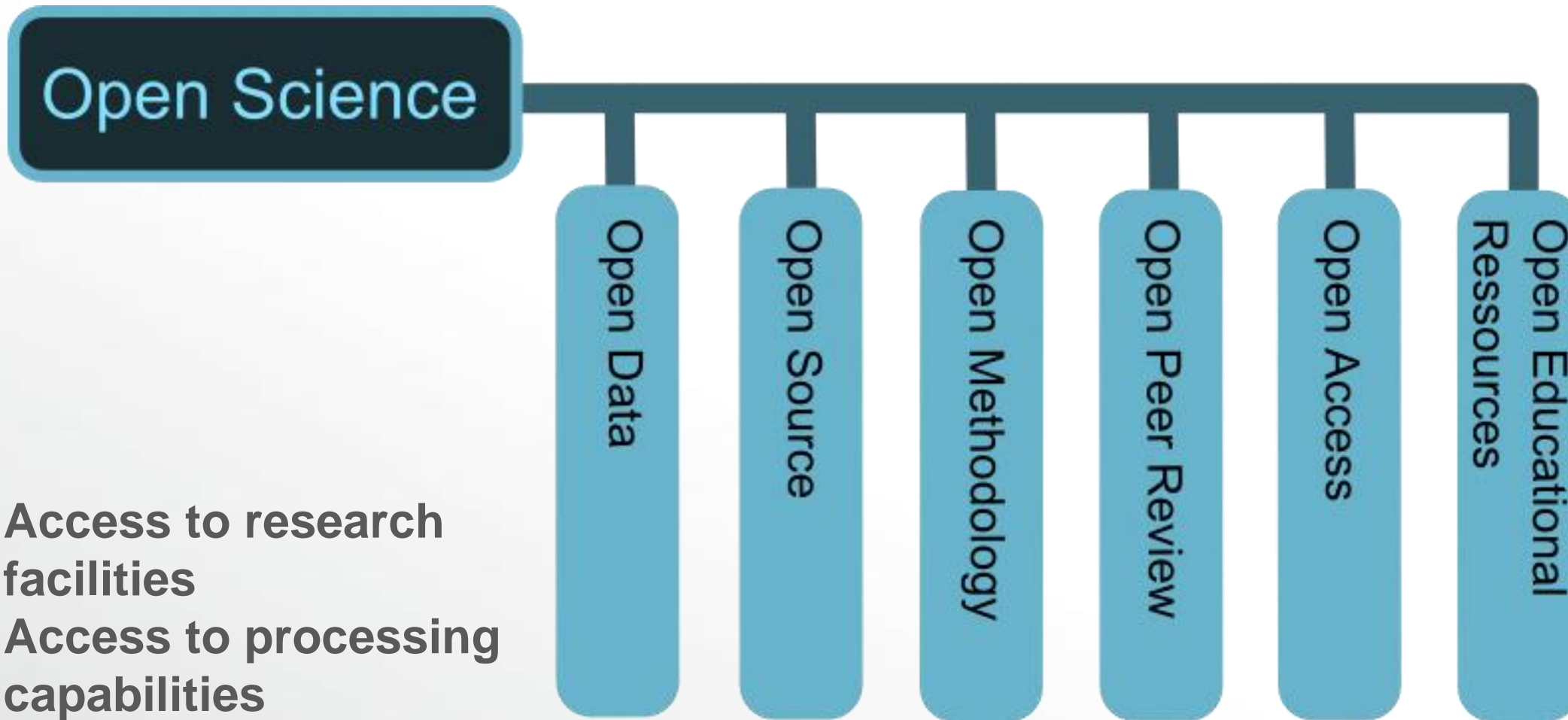
Policies and **practices**

hand in hand for a **sustainable**

OA

*From Open Access to Open
Science ... more facets to
consider*

Open Science is more than open data



- Access to research facilities
- Access to processing capabilities
- Communication at all levels of research life cycle

CC-BY Andreas Neuhold
https://commons.wikimedia.org/wiki/File:Open_Science_-_Prinzipien.png

It's about linking

Putting research in the **right**
context:

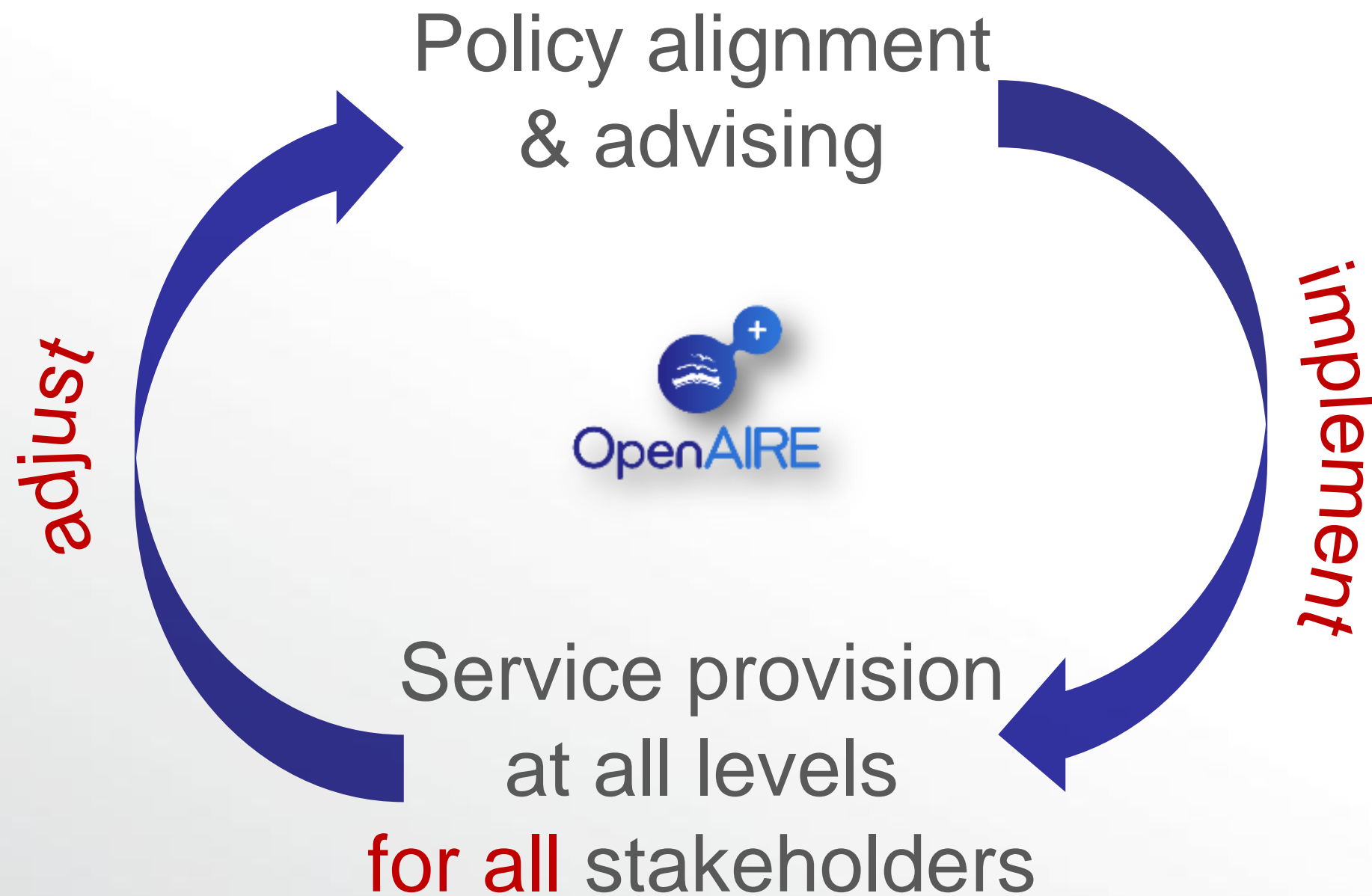
Intelligent discovery

Transparency and trust

Reproducibility

Monitor & analysis

Working in a continuous loop





Who we are

- In 24x7 operation since Dec 2010
 - OpenAIRE
 - OpenAIREplus
 - OpenAIRE2020
 - **A legal entity in 2017**
- Consortium of 50 partners

Open Access experts

- Institutional, national and international perspectives on OA policies & e-Infrastructures

Information & Computer Science experts

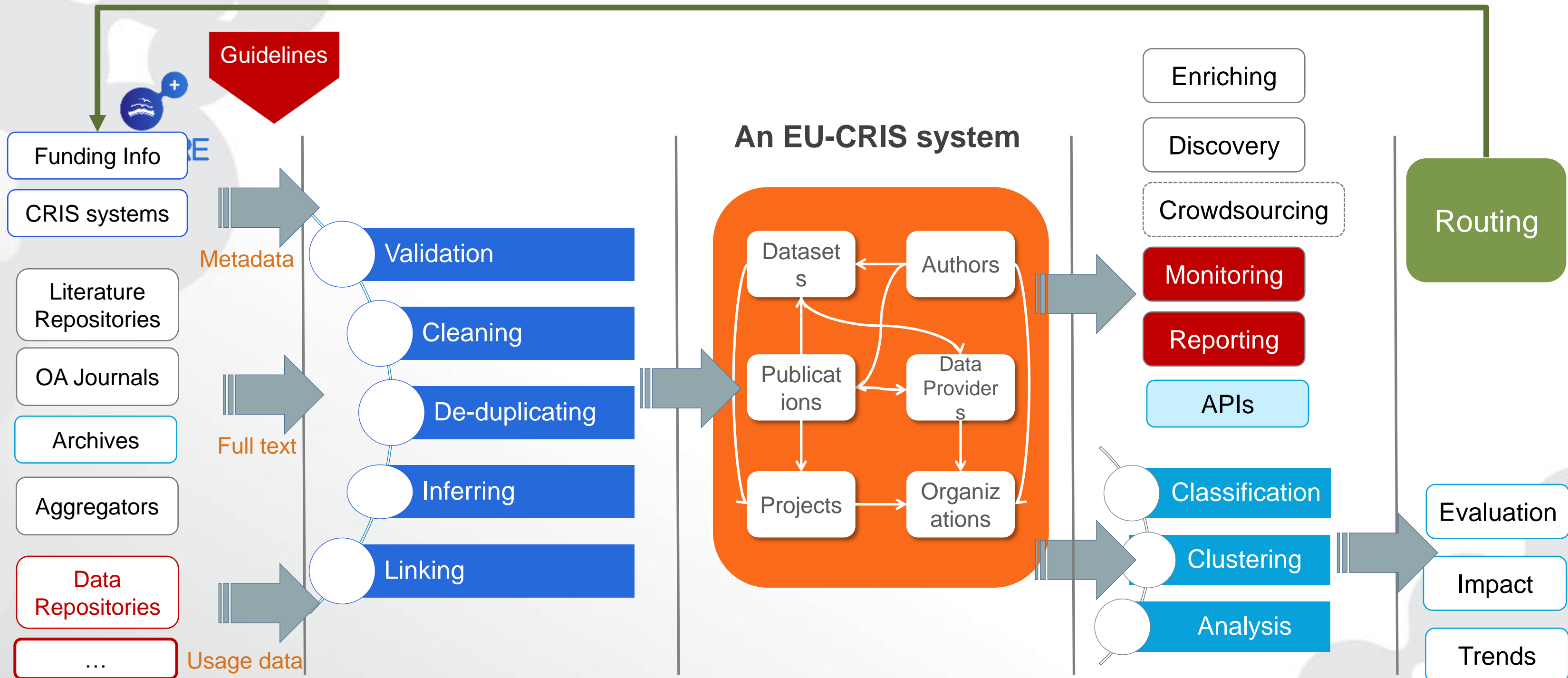
- Building efficient e-Infra technologies
- State of the art technologies (big data, linked data)

Legal experts

- Legal & policy recommendations

Data communities

- Best practices for data
- Linking to data infrastructures



Data Providers (Infrastructure)

OpenAIRE Platform (Middleware)

Services

Integrated Scientific Information System



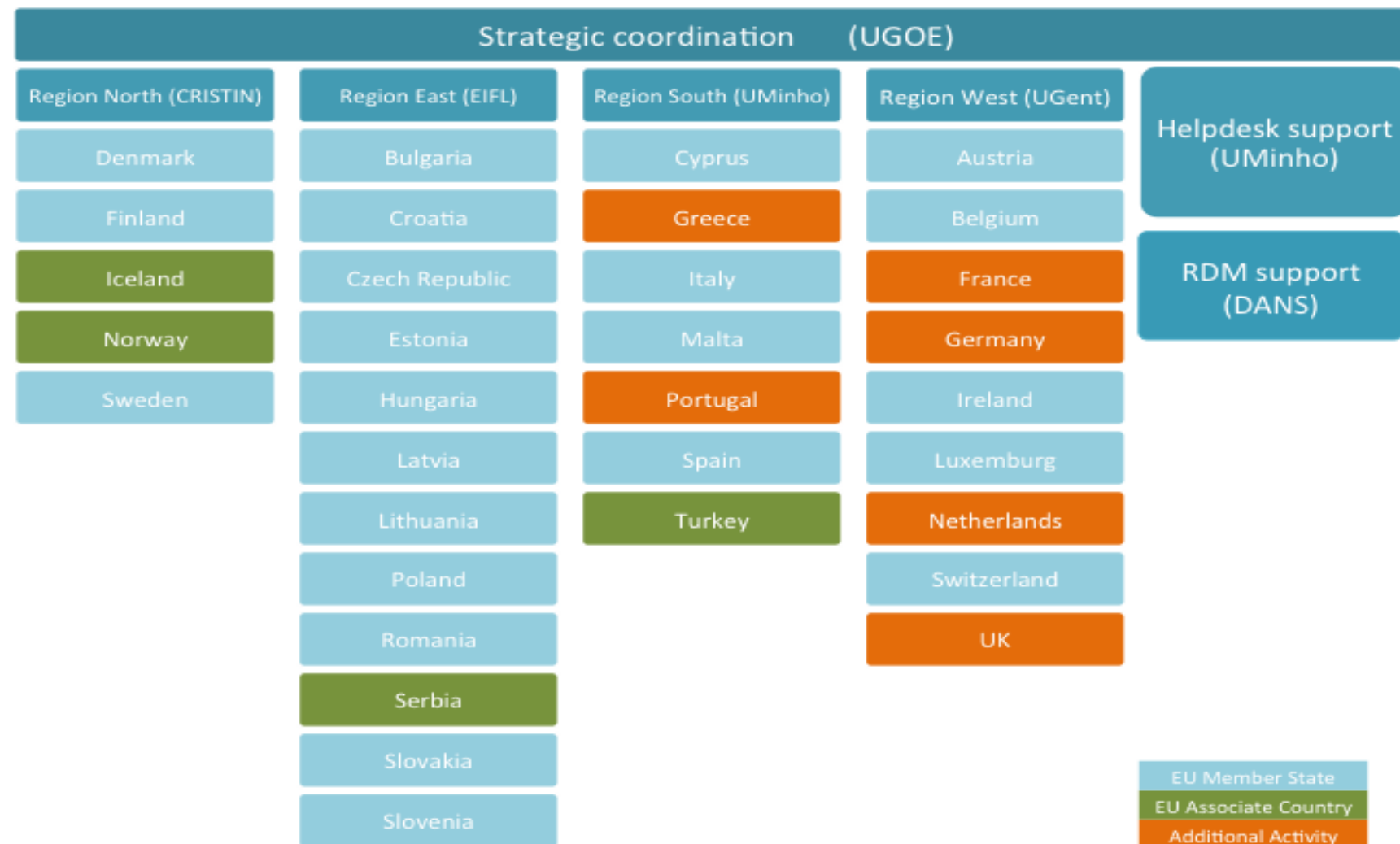
20 mi **unique** publications
 900+ **validated** data providers -
 reaching out to 5.7 K data sources
 530K publications linked to **projects**
 from **12 funders**
 500 K datasets **linked** to publications
 or funders
 3.5K links to **software** repositories
 33K organizations

Moving to
Open Science



It's all about people

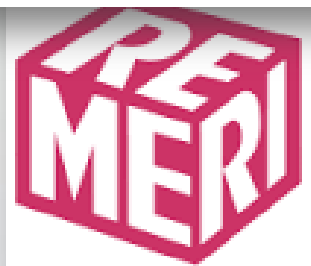
- Local support for Europe's diverse research landscape



Human support network

- 33 expert nodes all over Europe to helping with:
 - Open Science training & support
 - OA policy alignment
 - Technical assistance

World-wide alignment & synergies



Red Mexicana
de Repositorios
Institucionales



Interoperability alignment, sharing technologies & services

- La Refencia: Latin America repository network
- JAIRO – Japanese Institutional Repositories Online
- REMERI – Mexican Network of Institutional Repositories
- World Data Service – 70 data repositories around

Services at all levels

Repository level

- Interoperability guidelines, new protocols, new technologies

Middleware

- Metadata enriching, Router/Broker, data-literature resolver,
- Usage statistics

End user

- Discovery, 'Claiming'/Linking research, Statistics

Value added

- Monitoring open science, reporting to funders
- Research assessment

Training

- Open Science policies & implementation
- Research Data Management, Data Management Plan

OpenAIRE part of

**EUROPEAN OPEN SCIENCE
CLOUD**

<https://ec.europa.eu/research/openscience/index.cfm?pg=open-science-cloud>

Take home messages

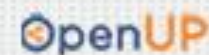
- **Coordinate within national setting for policies and infrastructure**
 - Ministry, funders, universities, research institutes, ...
- **Establish operating OA infrastructure**
 - Institutional repositories, electronic publishing (HEAL-Link, EKT, all institutions)
 - National infrastructure for Research (HELIX – GRNET and Athena RC)
 - National Research Infrastructure Nodes (CLARIN, DARIAH, ELIXIR, INSTRUCT, ...)

▶ OPEN SCIENCE ▶ FAIR ▶

**Binding policies and researcher flows,
infrastructures and services with people.**

ATHENS

September 6-8, 2017



Thank you!



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