



Natalia Manola

OpenAIRE Managing Director
Athena Research & Innovation Center
& University of Athens

OpenAIRE

A European e-Infrastructure for open scientific
communication



OpenAIRE - A pillar in EOSC

What is Open Science?

Access – Collaboration – Innovation – Participation

... practice science in such a way that others can **collaborate and contribute**, where research data, lab notes and other research processes are **freely available**, under terms that enable **reuse, redistribution and reproduction** of the research and its underlying data and methods.

Open research beyond academia
Innovation + Citizen science

What it entails

Open

publications

research data / FAIR data

software / lab books

methodologies / protocols

educational resources

processes (open peer review)

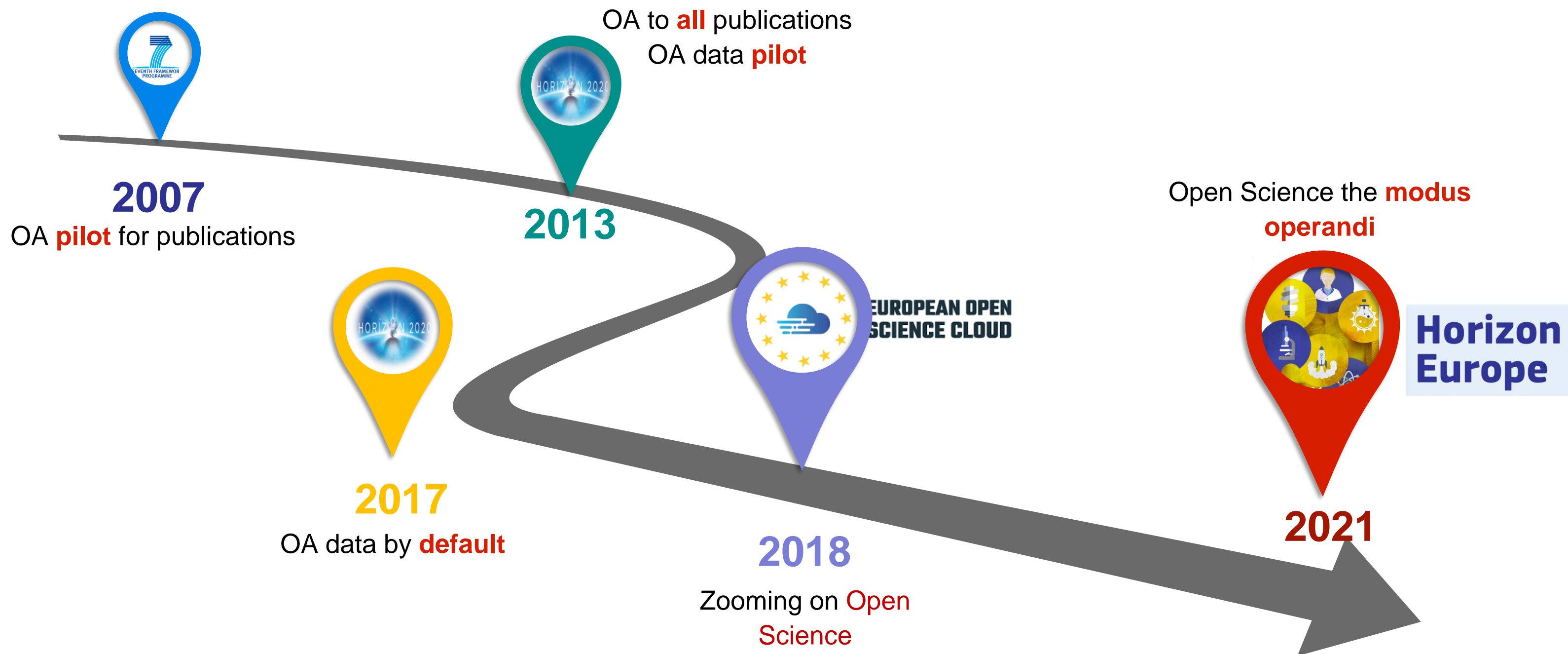
annotations

linked Open Science (provenance & context)

access to resources for analytics

Open Science in Europe

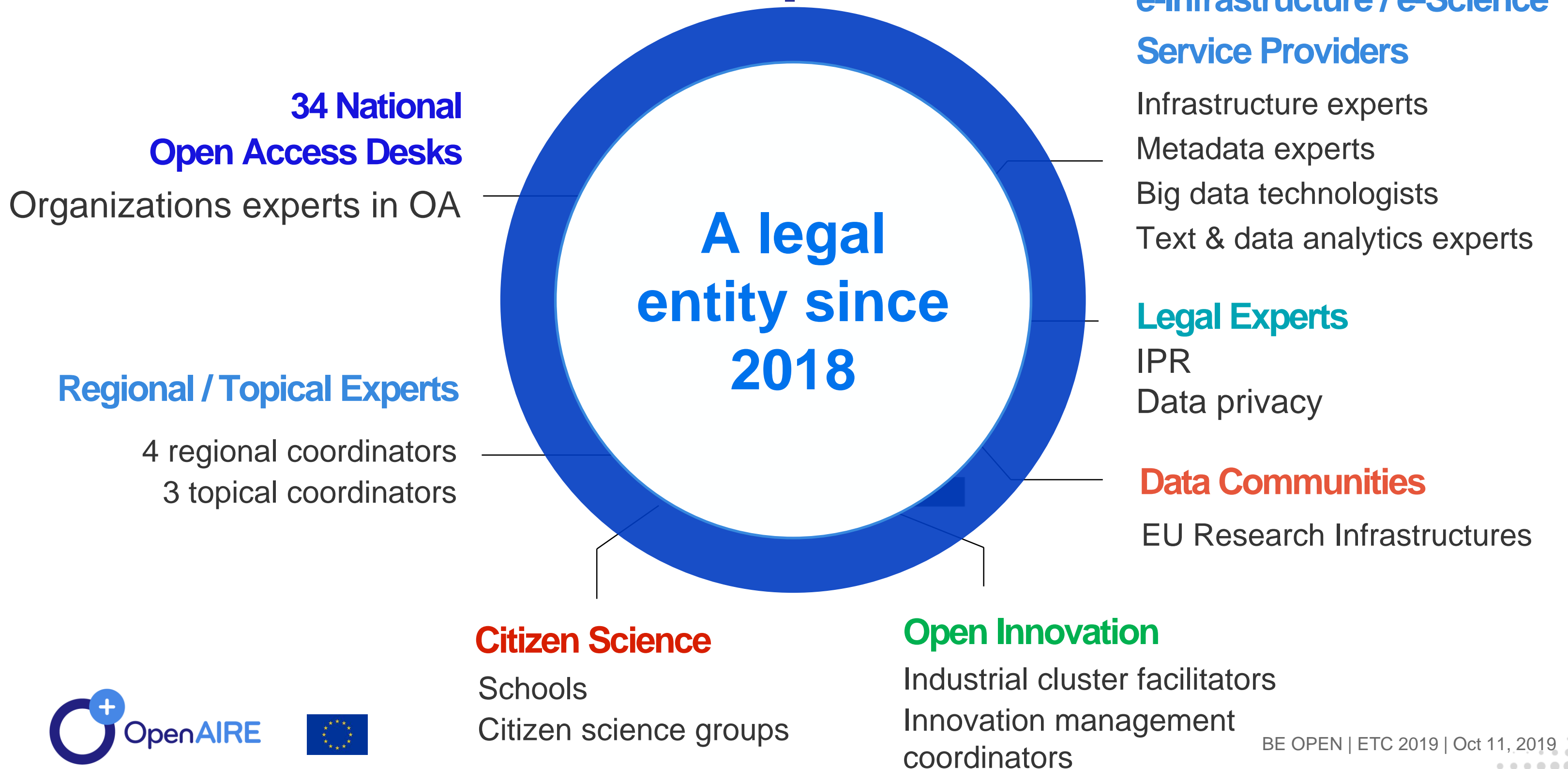
Open Science in the EU and OpenAIRE



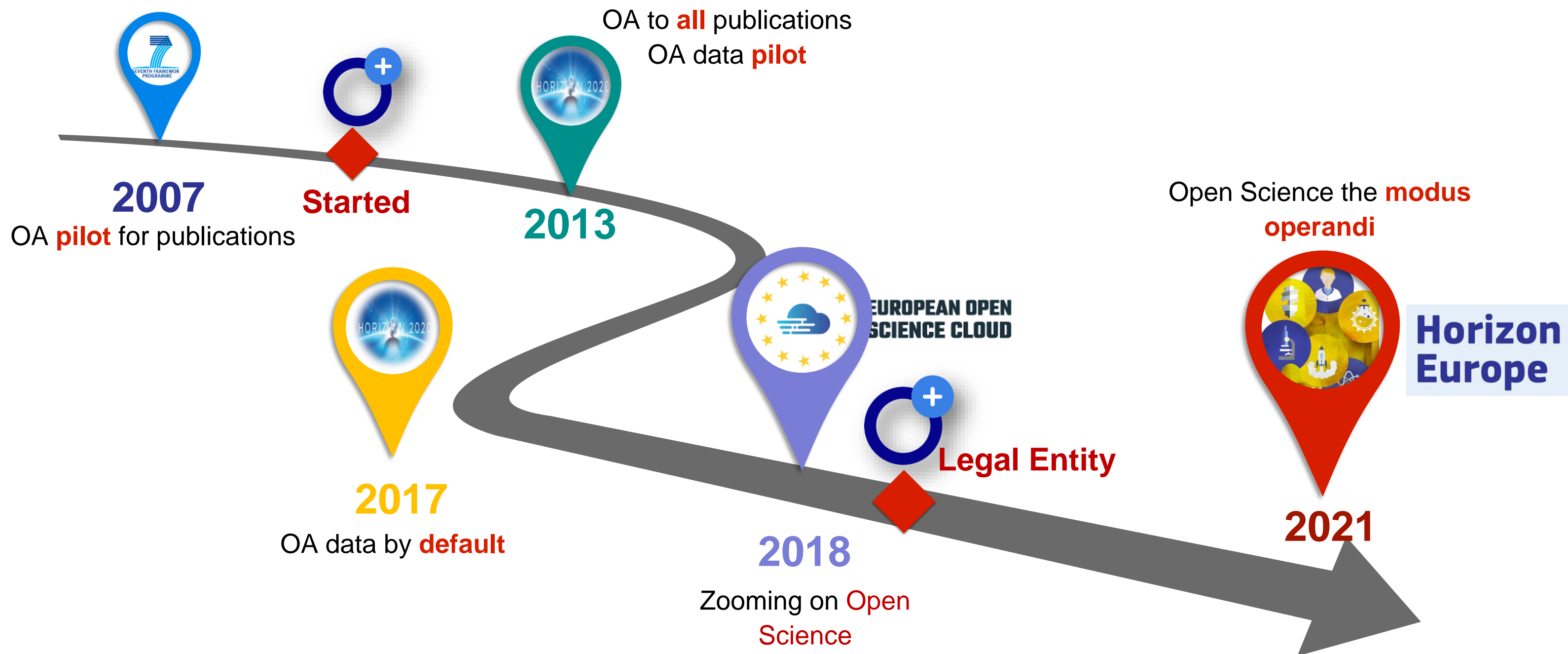
OpenAIRE

A European e-Infrastructure
open and reproducible science
scientific/scholarly communication
data infrastructure
social + technical links
service + data interoperability

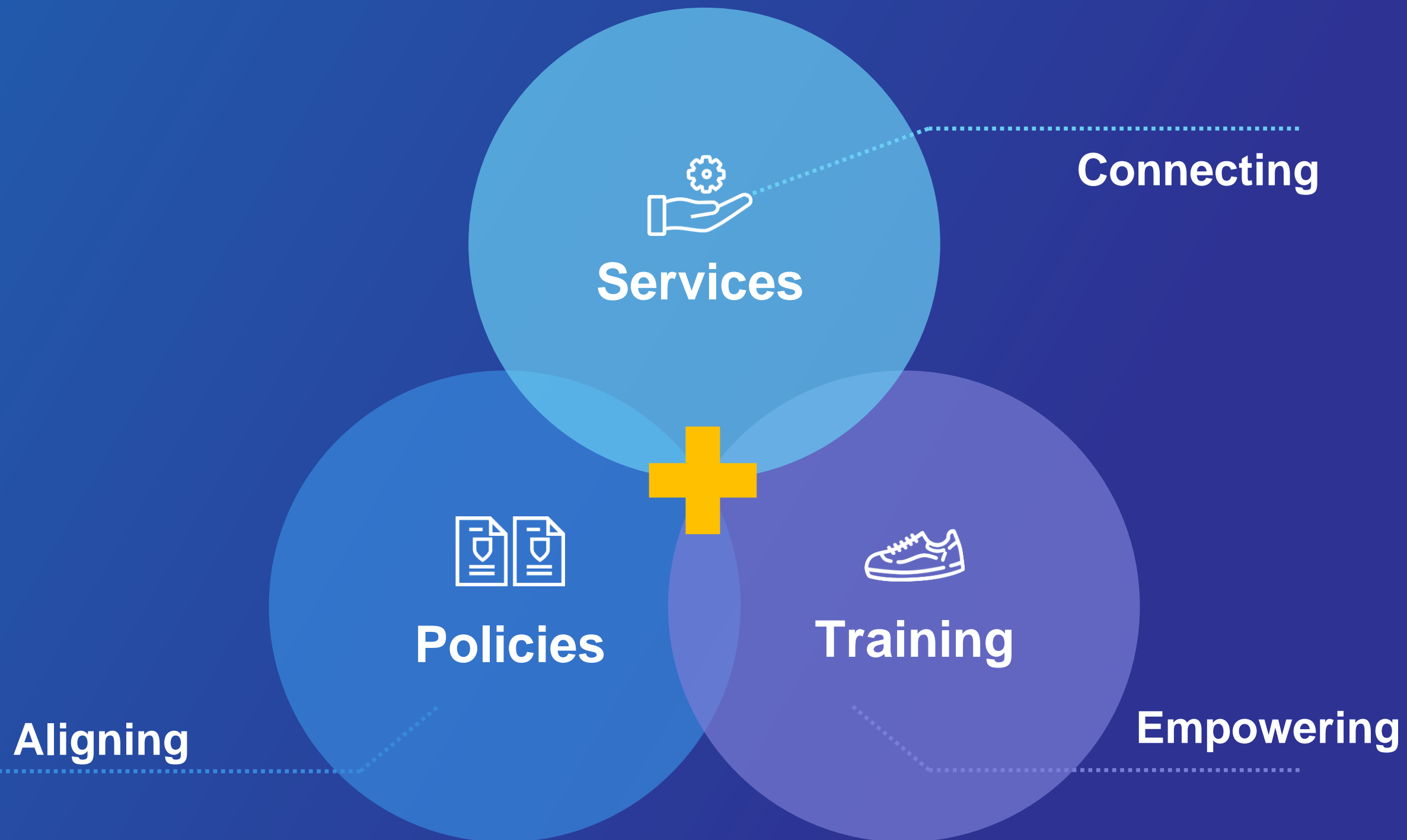
Who is OpenAIRE



Open Science in the EU and OpenAIRE



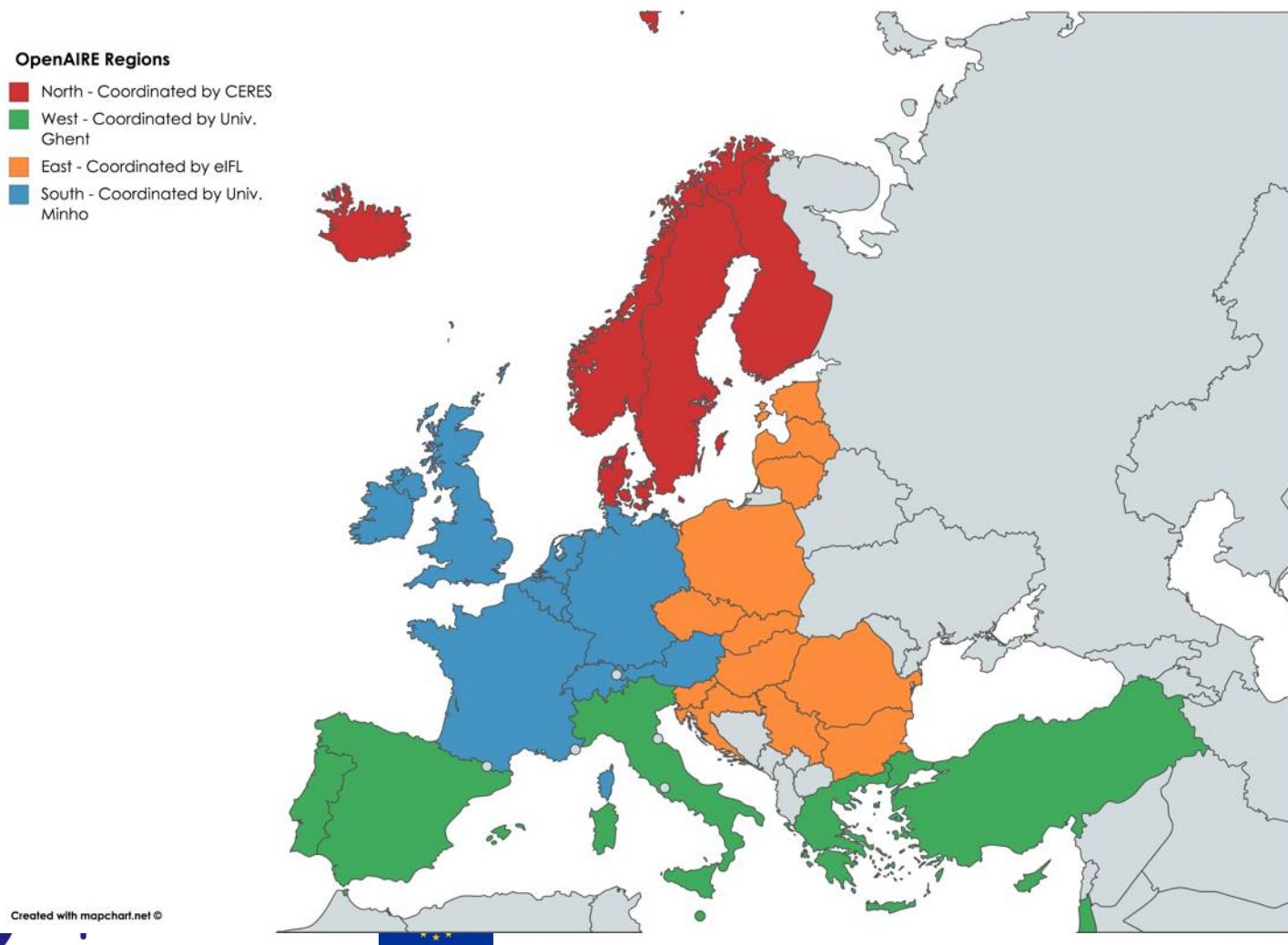
3 pillars of action



National approach

National Open Access Desks (NOADs)

A pan-European network to address **diversity** in culture & **maturity** of national/local infras



34 countries

→ Key national organizations

- Policies
- Research data management
- Legal issues
- Support & training
- Services



Policies

Aligning

Training

Empowering

Services

Connecting

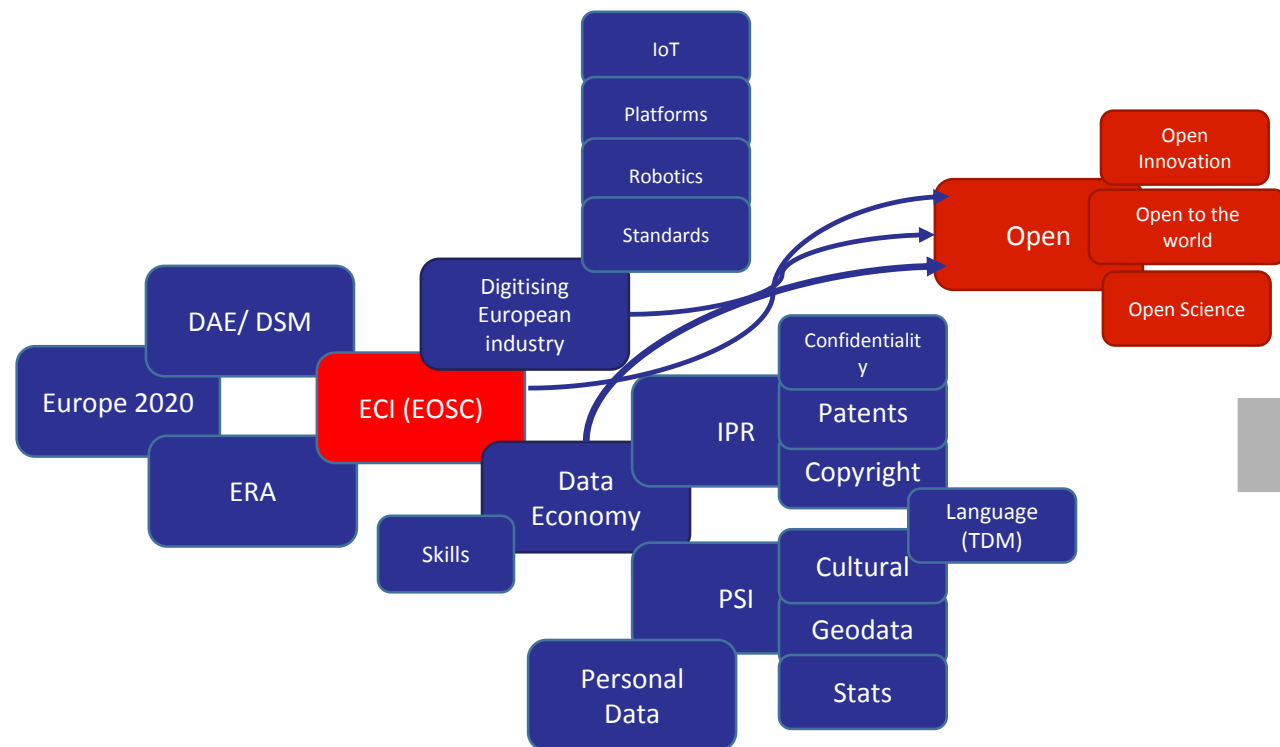
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Goals

1. Produce **consistent policies** at the EU, the Member State and the institutional level
2. **Standardise interactions** at the organisational and institutional level
3. Focus on the **interactions with the industry**, where the greater inefficiencies currently exist
4. Focus on **interactions with platforms** in order to maximize value, protect data ownership and portability and avoid vendor lock-in
5. Support the development of the e-infrastructures services that could **use the EU GDPR as a competitive advantage**

Transforming *macro* Policies to *micro*

Focus on specific policy areas around



Europe

Infrastructure and services

Free flow of data

Data & open science skills

Public procurement

Access to and preservation of scientific information

IPR

Copyright

European Charter for Access to RIs (and services)

Data Privacy
GDPR

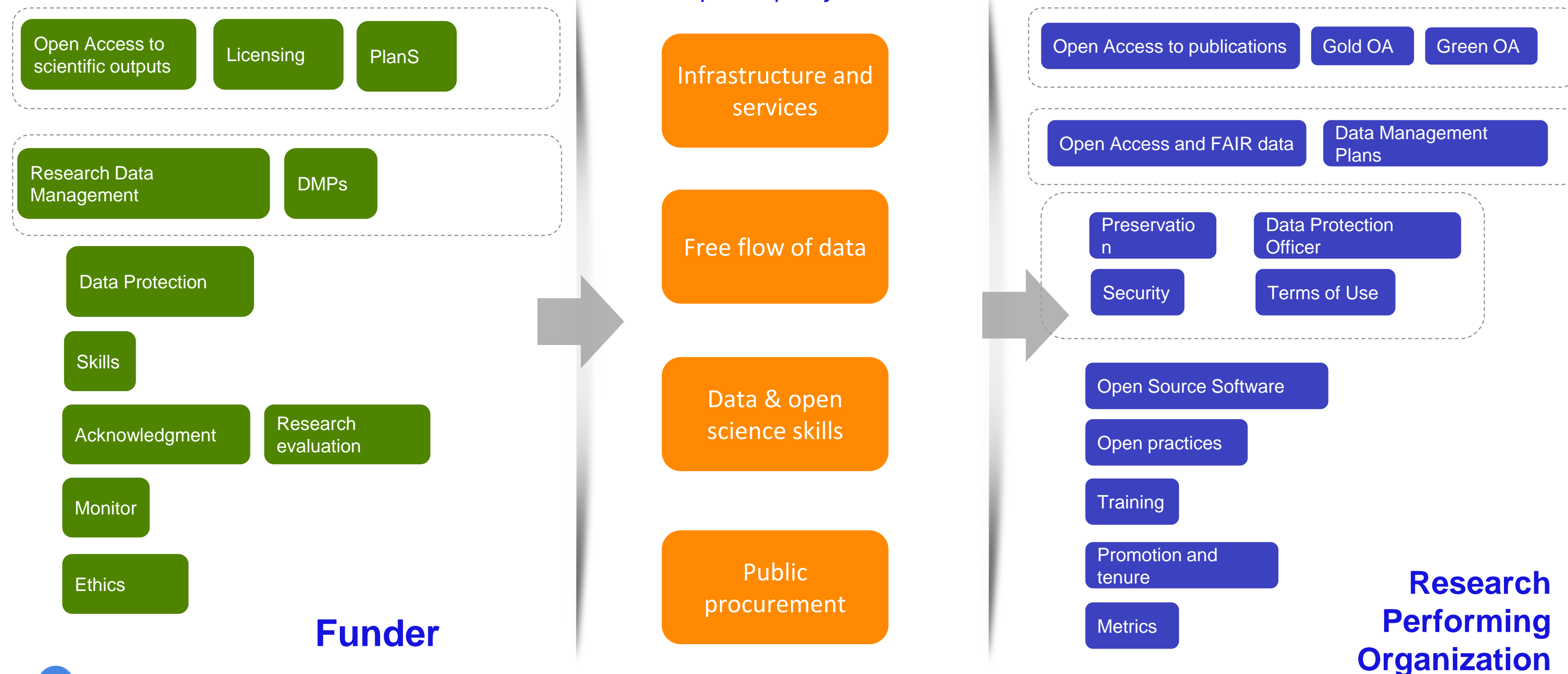
TDM

Skills

National

Transforming *macro* Policies to *micro*

Focus on specific policy areas around





Policies

Aligning

Training

Empowering

Services

Connecting

OpenAIRE

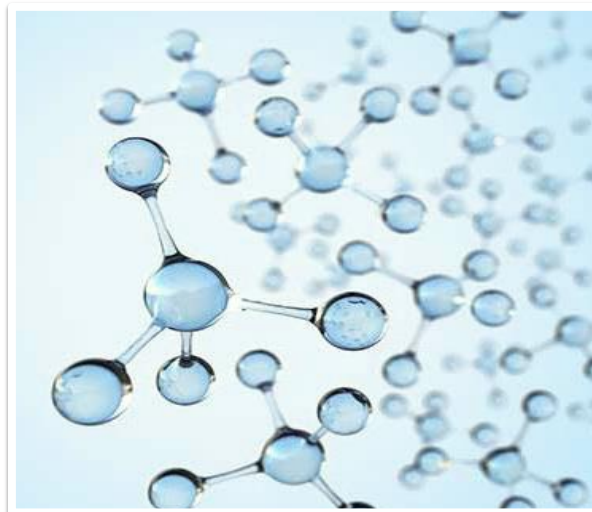
Support and Training

OS policies



- Harmonization for policy makers
- Shaping micro-policies

Infrastructure



- Interoperability
- Setup
- Connectivity & federation
- Repositories

Open Research Data



- FAIR data
- Open data
- Tools
- Legal
- Compliance
- Data Management Plan

OA to publications



- Guidelines
- Repositories
- OA Journals
- Licenses
- Compliance
- New models

Support and Training

Distributed and hierarchical training: *train-the-trainers*

NOADs → National / research infras, organizations → Researchers



HELPDESK

- Ask a question
- FAQs



RESOURCES

- OA guides
- Copyright issues
- Factsheets



TRAINING

- Webinars
- Workshops

MAKING YOUR REPOSITORY OPEN

Apply the right license to your repository. Content should also be licensed. Repository should recommend the best OS licenses but

NEW GUIDE FOR REPOSITORY MANAGERS

www.openaire.eu/guides

DATA FORMATS FOR PRESERVATION



HOW TO FIND A TRUSTWORTHY REPOSITORY FOR YOUR DATA

Where will the data and associated metadata, documentation and code from H2020 projects be deposited?

NEW GUIDE FOR RESEARCHERS

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Policies

Aligning

Training

Empowering

Services

Connecting

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Putting research into context.
Making the connections.



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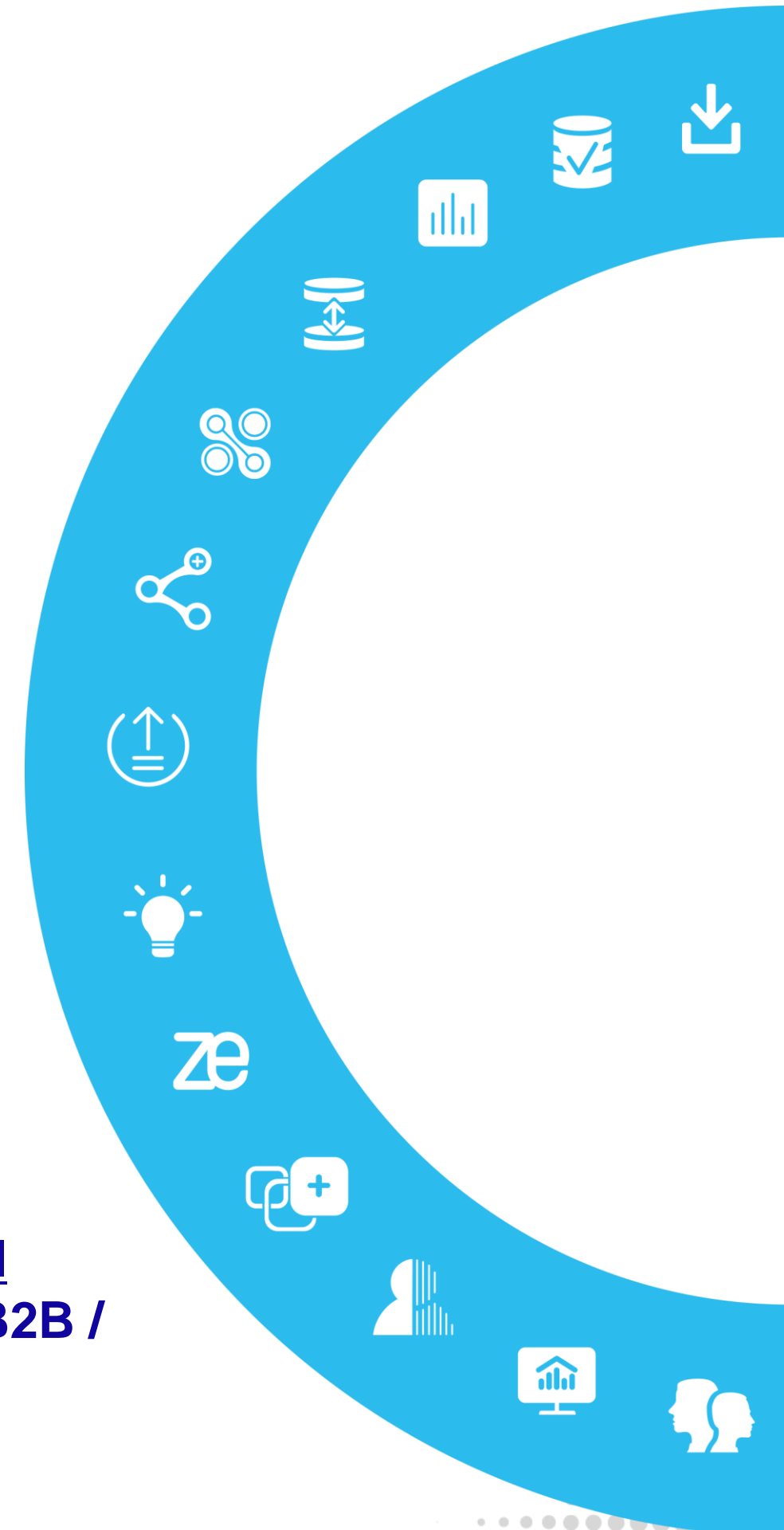
OpenAIRE | DEVELOP

APIs to access the
OpenAIRE Research Graph



develop.openaire.eu

**Services for all
stakeholders B2B /
B2C**



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@openaire_eu

Thank you!

Natalia Manola
natalia@di.uoa.gr

