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OpenAIRE

**An Open Knowledge & Research Information
Infrastructure**

ERALEARN 2020
September 29, 2015



OpenAIRE

IN A NUTSHELL

A **coordination platform** for the human & technical **open knowledge e-Infrastructure** in Europe, putting forward, aligning and implementing the Open Access/Open Science agenda in all key stakeholders, facilitating information flow and exchange through an **open and service-oriented Information Hub.**

**Promote &
align OA
policies**

**Participatory
Infrastructure**

**Link to national
infrastructures**

**Link to
domain discipline
data infras**

ERALEARN2020, Sept 29, 2015 - Brussels

**Open
Scholarship
OPENAIRE
Open Science**

**Open
Innovation**

**Link to
open gov
data
initiatives**

**Link to open
education & learning
environments**



Who we are

Consortium of 50 partners

A series of FP7 and H2020 projects

In 24x7 operation since Dec 2010

To become a legal entity in 2016

Hierarchical organization

- **3 coordinators**
 - Univ. Athens – overall
 - Univ. Gottingen – human infra
 - CNR – technical infra
- **4 regional coordinators**
- **1 international outreach**

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

1. Implement Open Science



- Implement **OA mandates** across Europe *for all research outcomes*
- **Align EU member states** on policies & technical implementations
- Monitor and evaluate **OA performance** across Europe
- Reach out and link with **international Open Science** initiatives
- Devise and implement **workflows** for OA publishing
- Explore **new forms** of scholarly publishing and communication
- Investigate **Open Science** aspects for sharing and re-using of **research results: legal, organizational, technical, behavioral**

2. Facilitate interoperability

- Connect Europe's data providers (**guidelines**). Create a pan-European **Research Information System** that links Europe's research entities
- Operate an open information platform (HUB) that gathers, enriches, monitors, links and allows data flow of **all types of research outcomes**
- Work with regional, global and thematic initiatives to leverage the reuse and exchange of data and services as part of the **global scholarly communication ecosystem**

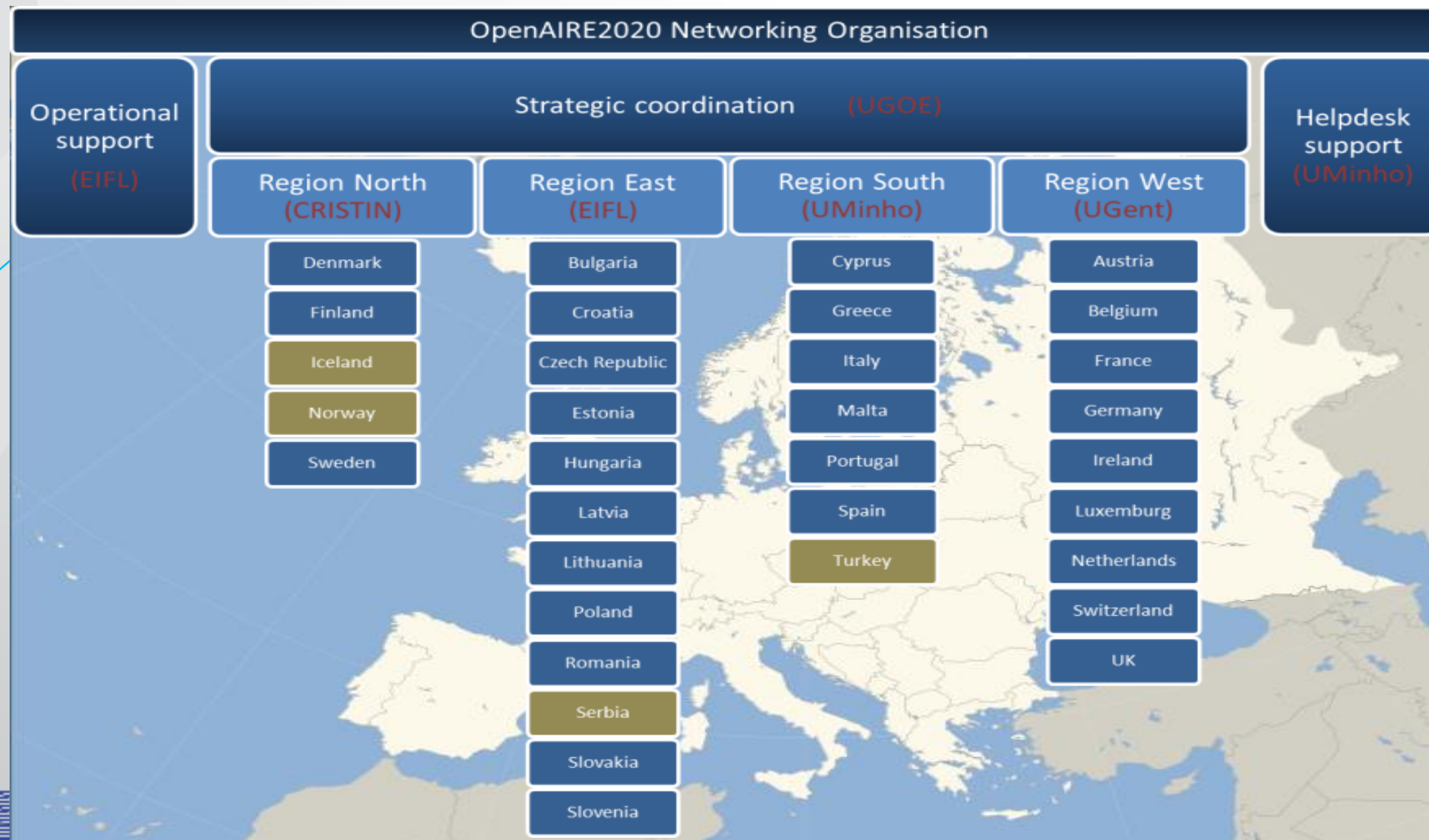
3. Provide a service oriented platform

- Storage for all researchers - **Zenodo**
- **Validation** of data providers
- Monitoring & reporting (OA, research **statistics, analytics**)
- Inference (text mining) and **linking** (manual on portal)
- Data to 3rd parties for the development of **value added tools & services**
- Provide and coordinate **training** across EU to all scholarly communication stakeholders on all Open

National Open Access Desks

...building the human capacities across Europe and beyond

- Europe's diverse landscape requires local support
- Different practices, different mentalities



People support network

- **33 expert nodes in all Europe**
 - (OA) Policy aligning
 - Technical aligning
 - Support & training
- **Outreach to international communities**



Key benefits

- **OpenAIRE brandname**
 - Well recognized in Europe and beyond
 - A powerful network with outreach to national nodes & ministries
 - Key player in European & global e-Infrastructures
- **Service-oriented infrastructure**
 - Infrastructures are good as long as they are invisible
 - Services is the key for visibility and uptake

Loose network based on commitment

- **Building on a community of practice**
 - Experts and not appointed organizations
 - Build on existing, continue with emerging best practices
 - Free flow, cross-fertilization of ideas
- **Working on a voluntary level**
 - **Grass root approach** – form a community/team
 - Synchronization and uptake takes more time
 - Lacking ministry commitment
 - Not enough funding

A continuous puzzle

- **Multi faceted operations**
 - Hard to keep up the human activities with technological advancements
- **Geographical and thematic boundaries. Interplay of key players**
 - National infrastructures
 - Thematic (domain discipline) infrastructures
 - European and global infrastructures
- **National infrastructures. Combine many local stakeholders**
 - Institutions, data centers
 - Research communities/infrastructures
 - Ministries

Implementation challenges

- **Continuous re-evaluation of people/organizations**
 - Changing landscape, changing expertise
- **Policy synchronization and alignment**
 - Strong EC policies – spanning DGs
 - Diverted efforts
 - Member states follow (in due time)
 - Institutions – need assistance

More challenges

- **Going beyond a project**
 - **Willingness to participate vs. willingness to pay**
- **Flexible and inclusive governance**
 - Keep grass roots approach
 - Commitment of EU countries
 - Support at the local and national level

Thank you!

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