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OpenAIRE: Open Access Infrastructure for Research in Europe

"Politics and models of implementation of Open Access in the world" Workshop

December 15th, 2015



CAPACITIES



- Motivations
- Provided services
- Future developments



EC Open Access mandate



Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020

> Version 1.0 11 December 2013

"The European Commission's vision is that information already paid for by the public purse should not be paid for again each time it is accessed or used, and that it should benefit European companies and citizens to the full."

http://ec.europa.eu/research/participants/data/ ref/h2020/grants manual/hi/oa pilot/h2020-hi-oa-pilotguide_en.pdf

Progression of OA EU Pilot Mandates 2008 2014



Seventh Framework Program OA Pilot

- Grant agreement Special Clause 39
- 20% programme areas

OpenAIRE

- Deposit in repositories an electronic copy of the published version or the final manuscript accepted for publication
- OA after embargo period (6-12 months)
- APC as an eligible cost

en Access in the Work



Horizon2020 Open Data Pilot

- Grant Agreement Article 29
- Deposit an electronic copy of the published version or final peer-reviewed manuscript accepted for publication
- OA after embargo period (6-12 months)
- APC as an eligible cost

• Deposit in a research data repository and take measures to make it possible for third parties to access, mine, exploit, reproduce and disseminate, free of charge for any use the data, including associated metadata, needed to validate the results presented in scientific publications.





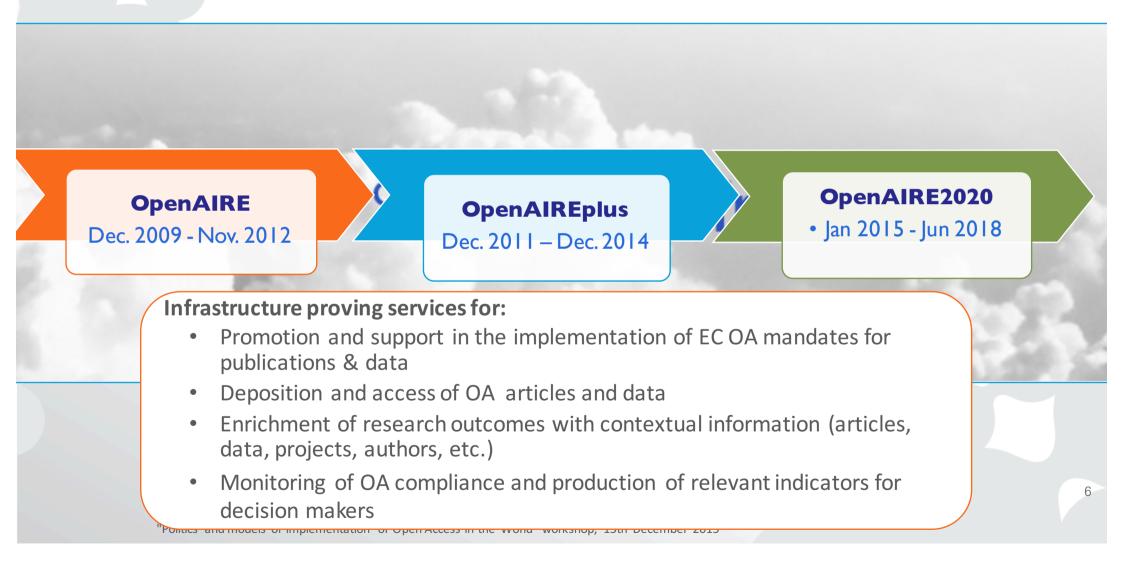
www.openaire.eu

Open Access Infrastructure for Research in Europe

An instrument to support and monitor the implementation of the OA mandate

Search in 13,333,818 publications 16,735 datasets from 6,081 repositories and OA journals

OpenAIRE Phases





Building on existing assets



ORGANIZATIONS

PEOPLE

REPOSITORIES

TECHNOLOGIES

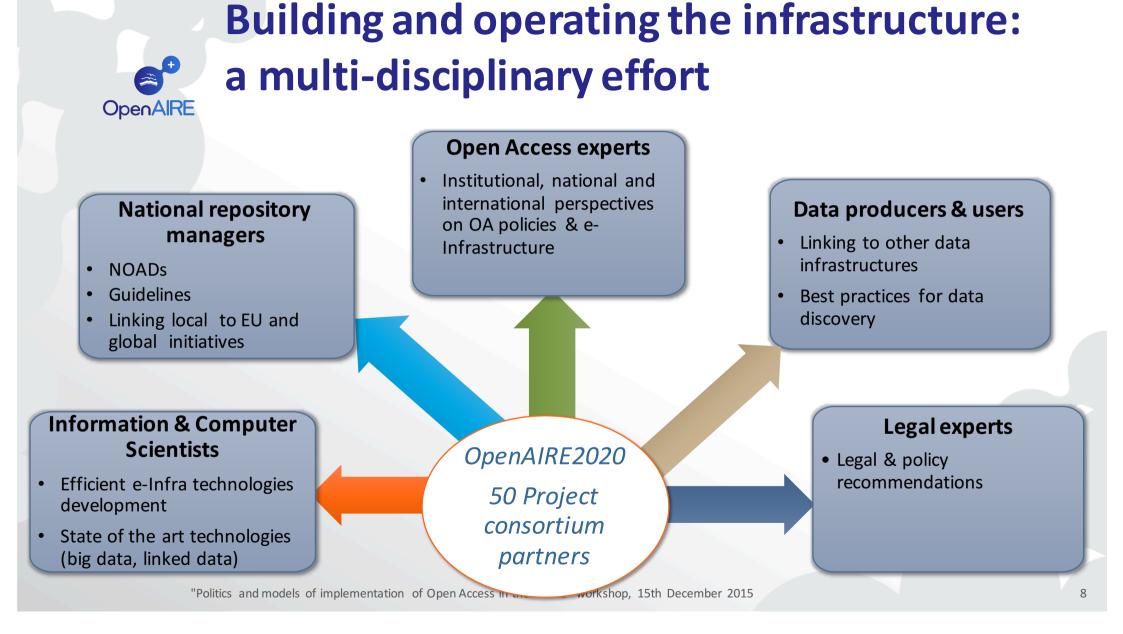


Human Network

(developers, NOADs operators, collaborators, etc)



Technical Infrastructure



Leveraging several collaborations

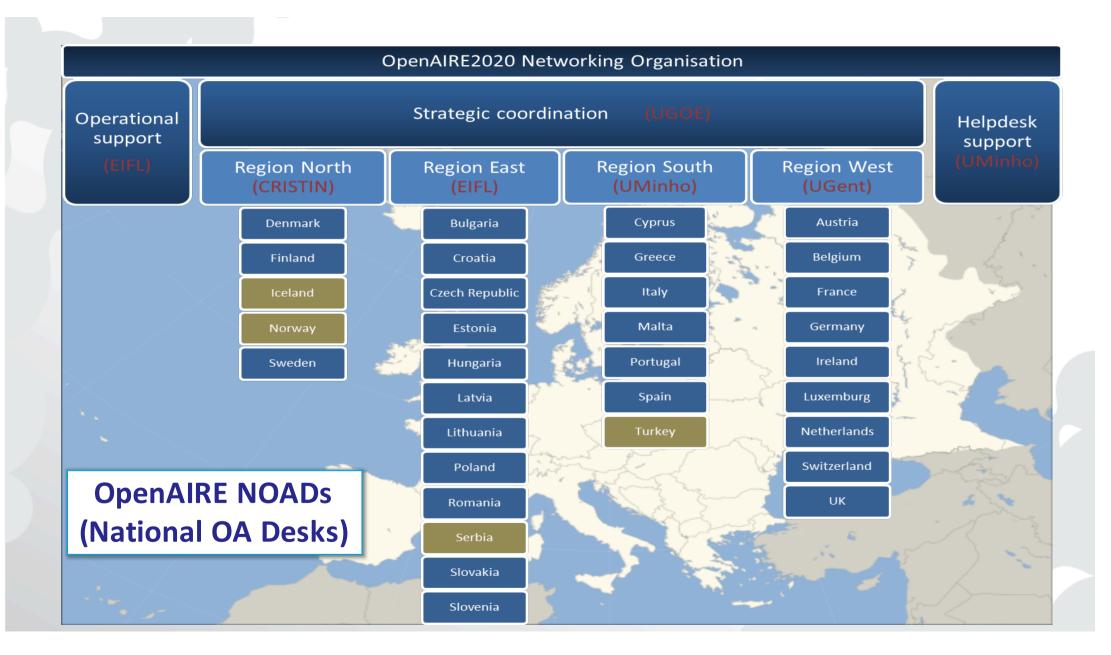


Participatory approach: EU Member States heterogeneity



OpenAIR

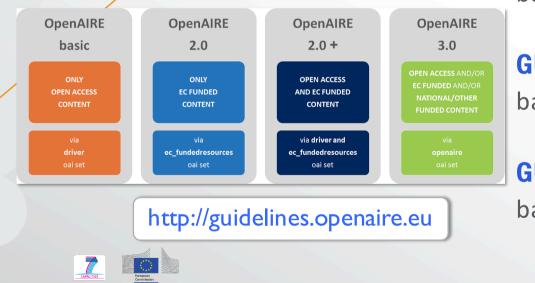
- Different implementation models
 - Strong national distributed repository networks
 - Strong national repository network
 integrated with CRIS system
 - Nationally centralized solutions
 - Significant number of repositories and some "strong" ones
- Diversity of mandates at institutional and national and funder level







For data sources- what Repository are expected to provide



GUIDELINES FOR LITERATURE REPOSITORIES

based on Dublin Core

GUIDELINES FOR DATA REPOSITORIES

based on Datacite

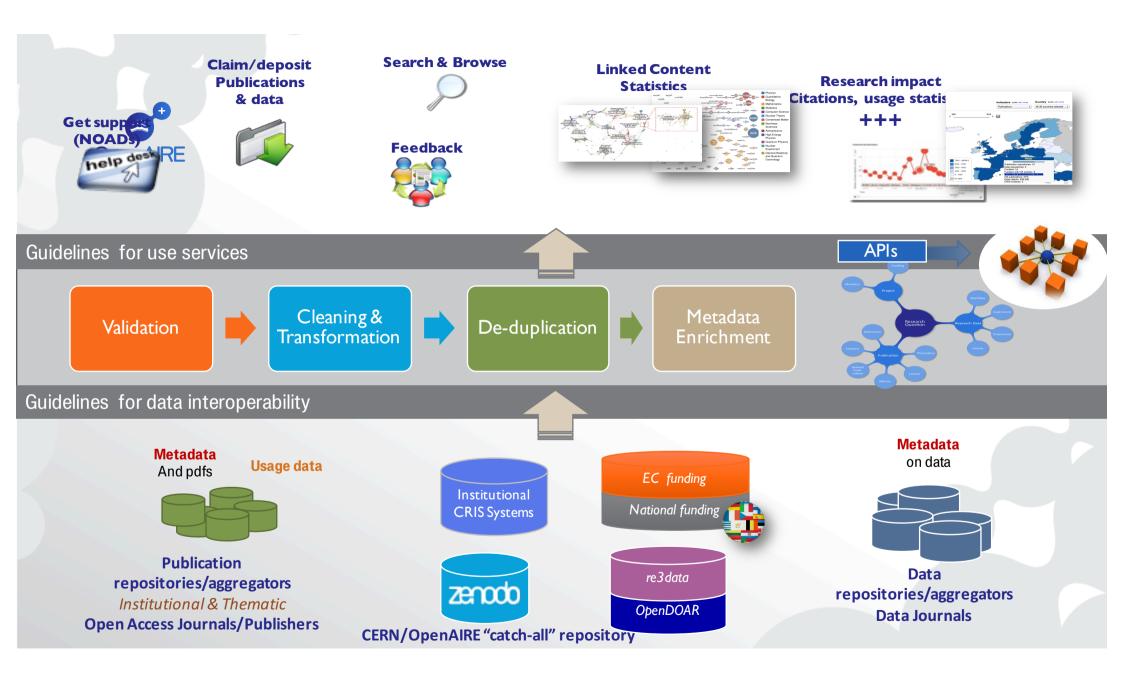
GUIDELINES FOR CRIS MANAGERS

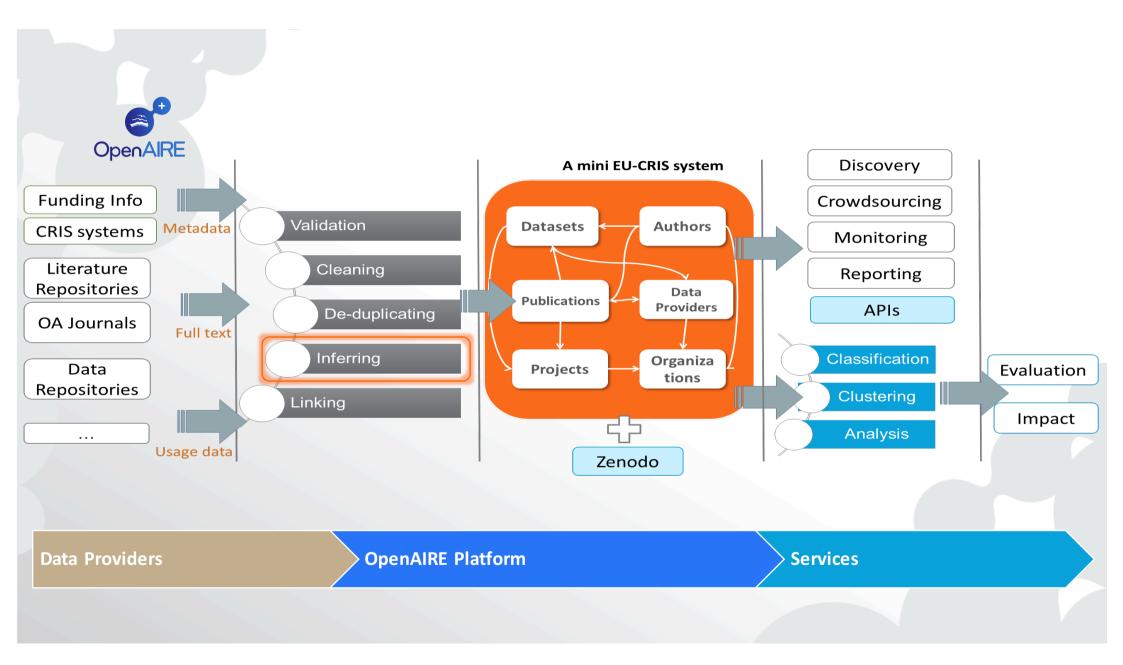
based on CERIF



TECHNICAL INFRASTRUCTURE







Enrichment through mining

Property inference by mining publication PDFs

Examples

• Title of papers

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- Authors of papers
- Affiliation of the authors at time of publication
- Subject classification



Relationship inference by mining publication PDFs

- Project-publication: EC and National projects (e.g. WT)
- Dataset-publication: DOI connections
- Publication-publication: citations by bibliography, text similarity

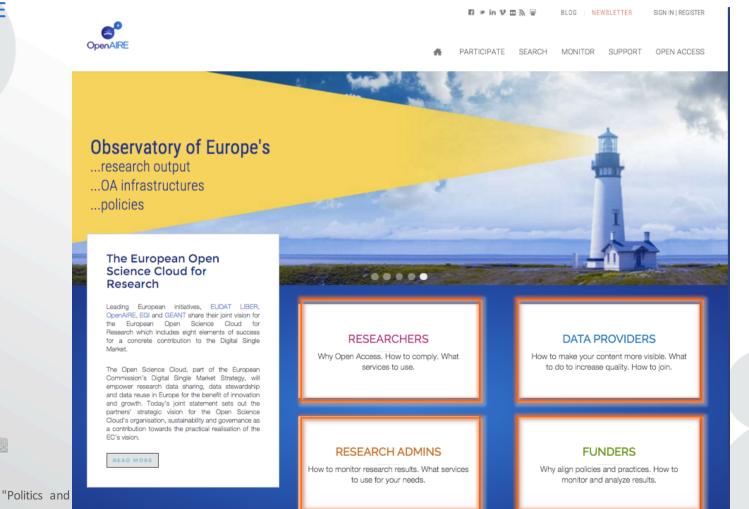


- 13M publications (de-duplicated)
- 200,000 links publication-project from 5 funders
- 16,000 datasets linked to publications or projects
- 6,000 repositories and OA journals





Services for a variety of users



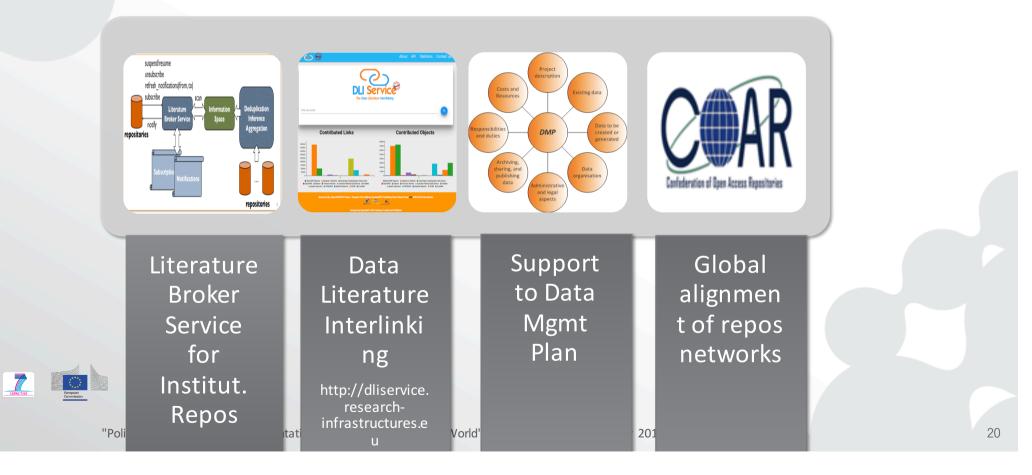
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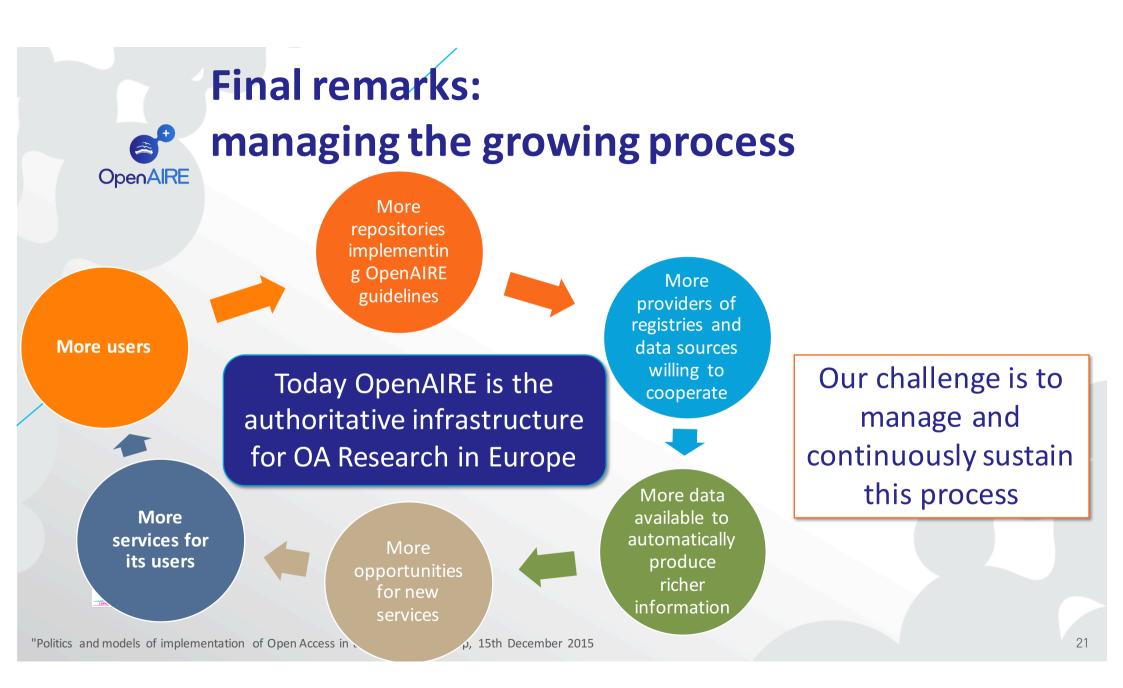
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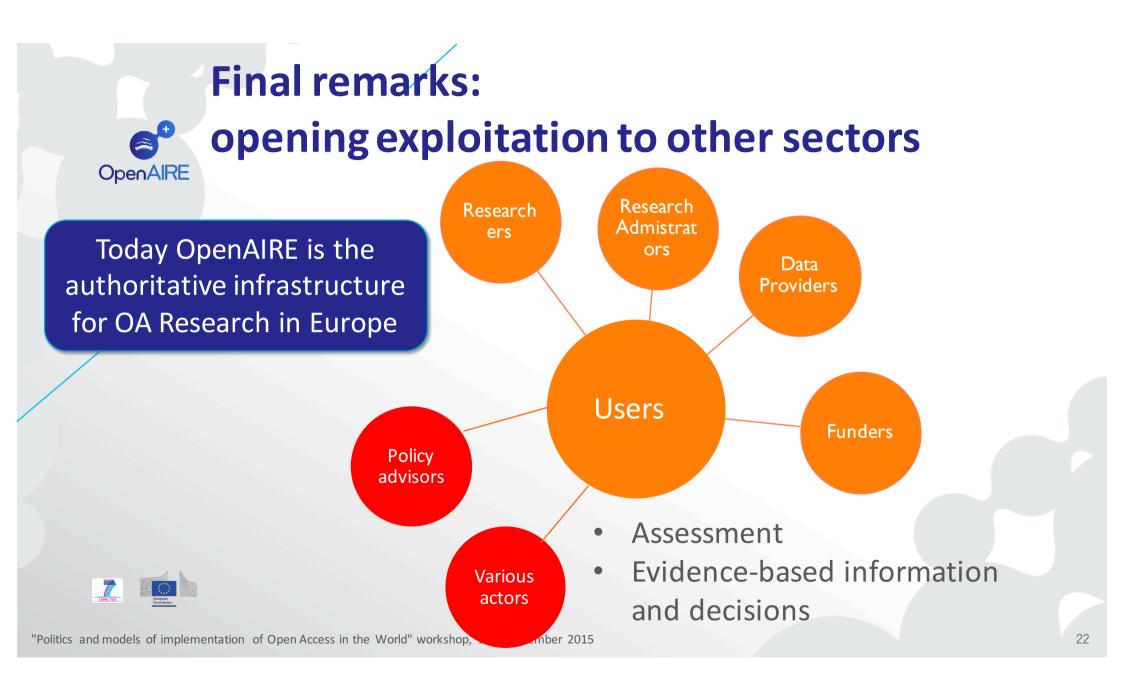
Zenodo: the OpenAIRE offered repository



OpenAIRE A taste of on-going activities







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Thank you!



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- **f** facebook.com/groups/openaire
- in linkedin.com/groups/OpenAIRE-3893548



