

30-31 MAGGIO 2016

OpenAIRE National Workshop

Sala Marconi, CNR Roma, piazzale Aldo Moro 7, Roma





OpenAIRE

OpenAIRE: a platform to support Open Science in Europe

Horizon 2020 and OpenAIRE 2020

Paola Gargiulo (OpenAIRE NOAD/CINECA)



Why OA? European Commission is interested in

acceleration of the research and discovery process, leading to increased returns on R&D investment;

avoidance of the **duplication** of research efforts, leading to savings in R&D expenditure;

enhanced opportunities for **multi-disciplinary** research, as well as inter-institutional and inter-sectorial **collaborations**;

broader and faster opportunities for the adoption and commercialisation of research findings, generating increased **returns on public investment in R&D** and the potential for the emergence of new industries based on scientific information.

Source : Inge Van Nieuwerburgh. Horizon 2020 Open Access Mandate
http://www.slideshare.net/OpenAIRE_eu/horizon-2020-open-access-mandate-webinar-by (28 May 2015)



RESEARCH & INNOVATION

Open Science

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Open Access

European Open Science Cloud

Open Science Policy Platform

European Open Science Policy Platform

Members of the OSPP

The Members of the Open Science Policy Platform (OSPP) have been nominated.

Commissioner Moedas, during the 27 May Competitiveness Council, will announce the Members of the Platform and he will inform the Member States on the role of the Policy Platform in further developing a European Open Science Policy Agenda.

▶ [List of Nominated Members of the Open Science Policy Platform](#) 210 KB

A Vision for Europe

- Open Innovation
- Open Science
- Open to the World

Open Science Platform

The mandate of the Open Science Policy Platform is to:

advise the Commission on how to further develop and practically implement open science policy, in line with the priority of Commissioner Moedas to radically improve the quality and impact of European science

function as a dynamic, stakeholder-driven mechanism for bringing up and addressing issues of concern for the European science and research community and its representative organisations, following five broad lines for actions which are presented in the [draft European Open Science Agenda](#)

support policy formulation by helping to identify the issues to be addressed and providing recommendations on the policy actions required

support policy implementation, contributing to reviewing best practices, drawing policy guidelines and encouraging their active uptake by stakeholders

provide advice and recommendations on any cross-cutting issue affecting Open Science

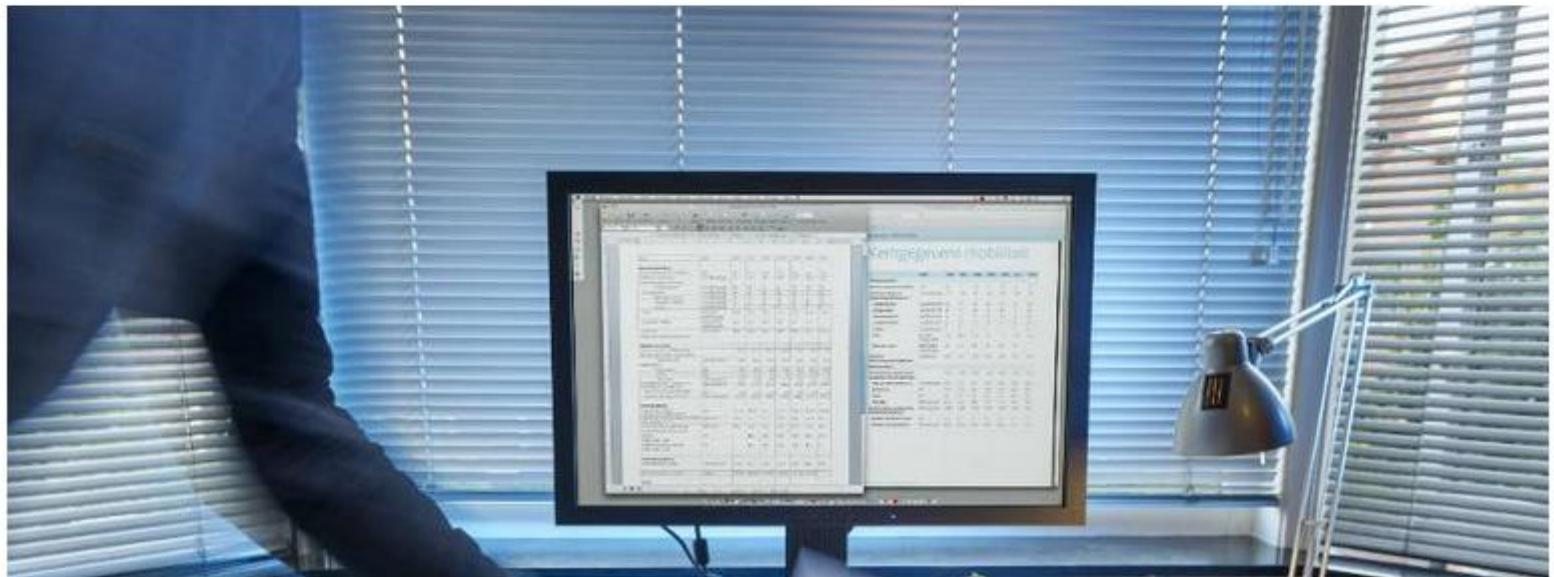
Council of Competitiveness, 26th - 27° May 2016



All European scientific articles to be freely accessible by 2020

News item | 27-05-2016 | 13:57

All scientific articles in Europe must be freely accessible as of 2020. EU member states want to achieve optimal reuse of research data. They are also looking into a European visa for foreign start-up founders.



Source: <http://english.eu2016.nl/latest/news/2016/05/27/all-european-scientific-articles-to-be-freely-accessible-by-2020>

Main results, 27 May

Research and Innovation

Following a debate on **open science**, the Council adopted conclusions on the transition towards an open science system.

"Open Science is a topic which is very dear to our hearts. During the Netherlands presidency, we have aimed at bringing Europe to the forefront of global change and at leading the transition to a new way of doing research and science based on openness, big data and cloud computing"

Sander Dekker, State Secretary of Education, Culture and Science of the Netherlands

All scientific articles freely accessible in 2020. This is not a law, but it's a political orientation for the 28 governments. The important thing is that there is a consensus.“ Spokesman of the Council of Competitiveness- source: <http://www.sciencemag.org/news/2016/05/dramatic-statement-european-leaders-call-immediate-open-access-all-scientific-papers>



Highlights of the Competitiveness Council, taking place on 27 May in Brussels.

Meeting information

- Outcome of the Council meeting 
- List of A items, legislative deliberation, Competitiveness Council, 26-27 May 2016 
- List of A items - non legislative 



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European Open Science Cloud

Latest news 19 April 2016 – European Open Science Cloud

Giving a major boost to Open Science in Europe, the Commission today presented its blueprint for cloud-based services and world-class data infrastructure to ensure science, business and public services reap benefits of big data revolution.

By bolstering and interconnecting existing research infrastructure, the Commission plans to create a new European Open Science Cloud that will offer Europe's 1.7 million researchers and 70 million science and technology professionals a virtual environment to store, share and re-use their data across disciplines and borders. This will be underpinned by the European Data Infrastructure, deploying the high-bandwidth

A Vision for Europe

- Open Innovation
- Open Science
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Events

1 June 2016 Brussels - IGI SPRING

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

Open Access in Horizon 2020

European Commission funded projects

IN HORIZON 2020,
THE EC REQUESTS
ALL PROJECTS TO
PROVIDE OPEN
ACCESS TO ALL
PEER REVIEWED
ARTICLES ARISING
FROM PROJECT
FUNDING.





ARTICLE 29 — DISSEMINATION OF RESULTS — OPEN ACCESS — VISIBILITY OF EU FUNDING

29.1 General obligation to disseminate results

Unless it goes against their legitimate interests, each beneficiary must — as soon as possible — ‘disseminate’ its results by disclosing them to the public by appropriate means (other than those resulting from protecting or exploiting the results), including in scientific publications (in any medium).

[OPTION for additional dissemination obligations if foreseen in the work programme: In addition, the beneficiaries must comply with the additional dissemination obligations set out in Annex 1.]

[OPTION for additional dissemination obligations for interoperability if foreseen in the work programme: Moreover, the beneficiaries must — up to four years after the period set out in Article 3 — disseminate any technical specifications of the results that are needed for interoperability.]

[OPTION for additional dissemination obligations for cross-border interoperability if foreseen in the work programme: Moreover, the beneficiaries must — up to four years after the period set out in Article 3 — disseminate the deliverables relating to cross-border interoperability (see Annex 1) and any results needed for cross-border interoperability (in particular common technical specifications and software components).]

This does not change the obligation to protect results in Article 27, the confidentiality obligations in Article 36, the security obligations in Article 37 or the obligations to protect personal data in Article 39, all of which still apply.

A beneficiary that intends to disseminate its results must give advance notice to the other beneficiaries of — unless agreed otherwise — at least 45 days, together with sufficient information on the results it will disseminate.

Any other beneficiary may object within — unless agreed otherwise — 30 days of receiving notification, if it can show that its legitimate interests in relation to the results or background would be significantly harmed. In such cases, the dissemination may not take place unless appropriate steps are taken to safeguard these legitimate interests.

If a beneficiary intends not to protect its results, it may — under certain conditions (see Article 26.4.1) — need to formally notify the [Commission]/[Agency] before dissemination takes place.

29.2 Open access to scientific publications

Each beneficiary must ensure open access (free of charge, online access for any user) to all peer-reviewed scientific publications relating to its results.

In particular, it must:

- as soon as possible and at the latest on publication, deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications;

Moreover, the beneficiary must aim to deposit at the same time the research data needed to validate the results presented in the deposited scientific publications.

- ensure open access to the deposited publication — via the repository — at the latest:
 - on publication, if an electronic version is available for free via the publisher, or
 - within six months of publication (twelve months for publications in the social sciences and humanities) in any other case.

“... beneficiary must ensure open access (free of charge) to all peer-reviewed scientific publications ...

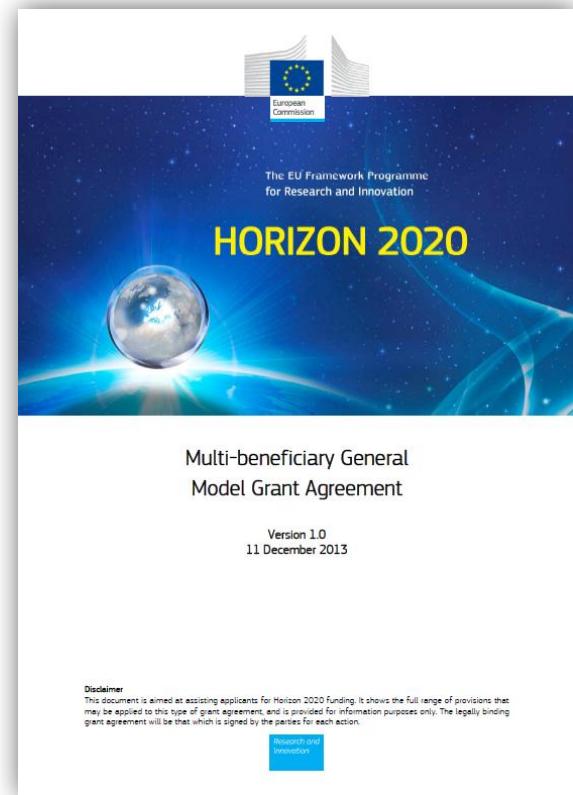
the data, including associated metadata, free of charge for any user ...”



Open Access in Horizon 2020 to Publications

Four steps to getting open access articles:

1. SUBMIT PAPERS TO A JOURNAL OF CHOICE,
THERE IS NO RESTRICTION. IF A RESEARCHER
CHOSES TO PUBLISH IN AN OA JOURNAL,
PUBLISHING COSTS CAN BE REIMBURSED WITHIN
THE PROJECT PERIOD AND BUDGET.
2. DEPOSIT THE FINAL MANUSCRIPT OR
PUBLISHER'S PDF IN A REPOSITORY, EITHER
INSTITUTIONAL OR DISCIPLINARY.
3. ACKNOWLEDGE PROJECT FUNDING, BOTH IN THE
PUBLICATION AND IN THE METADATA: EACH
PUBLICATION SHOULD ADD THE EC GRANT
AGREEMENT NUMBER.
4. EACH PAPER MUST HAVE A PUBLICATION DATE, A
DATE OF RELEASE IN OPEN ACCESS
(EMBARGOED IF NECESSARY) AND A PERSISTENT
IDENTIFIER.



Open Research Data Pilot in Horizon 2020

1. Data Management Plan required within six months after project grant (regular project deliverable)
2. Deposit the research data in a research data repository
3. Make the research data openly accessible

Participation in the pilot is not part of the project evaluation.

<http://www.slideshare.net/OpenAccessEC/horizon2020-and-openaccess-in-10-minutes> (Jean- François Dechamp e Celina Ramjoué- European Commission. At PASTEUR4OA Regional Meeting, Brussels 9-10 February 2016

Open Research Data Pilot in Horizon 2020

The Open Research Data Pilot concerns 9 areas

- 9 (2016/17)
- 7 (2014/15)

Opt-out is possible

- If the project does not generate/collect any data
- If there are conflicts: obligation to protect results, confidentiality, security, protection of personal data or *any other reason* to be explained in the DMP
- Opting out is also possible *during* the project

Opt-in is welcome

- All (research) projects are encouraged to participate on a voluntary basis

Open Research Data Pilot in Horizon 2020

What data?

- 'Underlying data' (= needed to validate the results presented)
- 'Other data' as specified in the Data Management Plan (DMP)
- Being in the Pilot does not mean opening all data!
- **Approach: As open as possible, as closed as necessary**

Beneficiaries participating in the Pilot must:

- **Provide** a DMP (within the first six months)
- **Deposit** the data in a repository of their choice
- **Take measures to make it possible** to access, mine, exploit, reproduce and disseminate free of charge
- **Provide information** about tools and instruments necessary (or provide them if possible)

<http://www.slideshare.net/OpenAccessEC/horizon2020-and-openaccess-in-10-minutes> (Jean- François Dechamp e Celina Ramjoué- European Commission. At PASTEUR4OA Regional Meeting, Brussels 9-10 February 2016

Open Research Data Pilot in Horizon 2020

DMPs are central for Open Access policy

DMPs are a tool for the project to determine and briefly present what datasets can or cannot be open

DMPs are:

- **Not** considered during the evaluation process
- **Mandatory** for projects participating in the **Open Research Data (ORD) Pilot** and to be generated **within the first six months** of project (and updated as needed)
- **Optional** for all others

Data management costs are eligible

<http://www.slideshare.net/OpenAccessEC/horizon2020-and-openaccess-in-10-minutes> (Jean- François Dechamp e Celina Ramjoué- European Commission. At PASTEUR4OA Regional Meeting, Brussels 9-10 February 2016

What is next in Horizon 2020

Monitor the OA mandates in Framework Programmes

FP7 post-grant Open Access publishing funds pilot

Open Research Data as a rule for all funded projects
starting in 2017

Strengthening Open Science in the Digital Single Market

The European Open Science Cloud initiative

The Open Science Policy Platform and the Open
Science Agenda

<http://www.slideshare.net/OpenAccessEC/horizon2020-and-openaccess-in-10-minutes> (Jean- François Dechamp e Celina Ramjoué- European Commission. At PASTEUR4OA Regional Meeting, Brussels 9-10 February 2016

The resources made available by EC

- The Participant Portal: an entire section with information and guidelines on Open Access and Data Management in Horizon 2020
- OpenAIRE: a dedicated infrastructure to support Open Access in the Framework Programmes and much more.....

<http://www.slideshare.net/OpenAccessEC/horizon2020-and-openaccess-in-10-minutes> (Jean- François Dechamp e Celina Ramjoué- European Commission. At PASTEUR4OA Regional Meeting, Brussels 9-10 February 2016

OpenAIRE implements
the

OPEN ACCESS

EC requirements

What is OpenAIRE

A **Participatory European Open Access infrastructure** to manage scientific publications and associated scientific material via repository networks.

Supports discovery, sharing and re-use of Open Access publications and EC funded research results.

Enhances publications by interconnecting them with data sets, funding information, related publications, institutional affiliation, metrics...



OpenAIRE Infrastructure



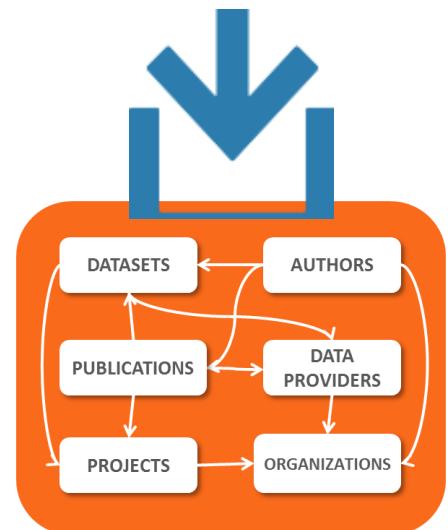
Guided by OA funder policies (European Commission)



Participatory approach
(human & e-infrastructure)

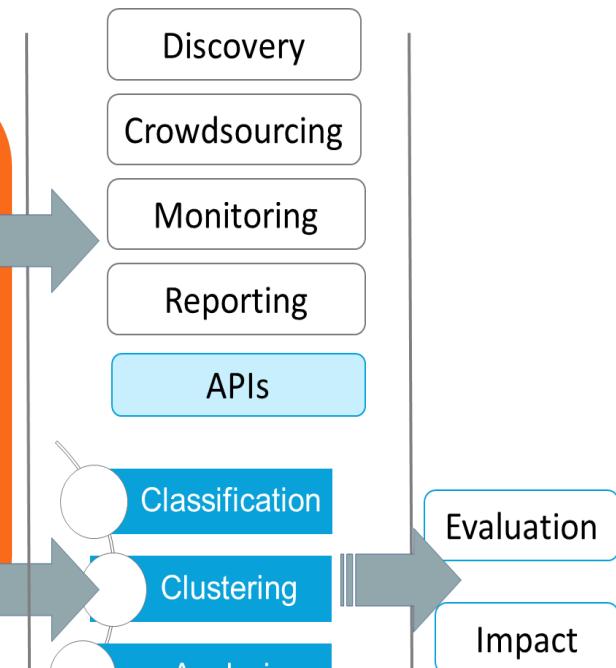
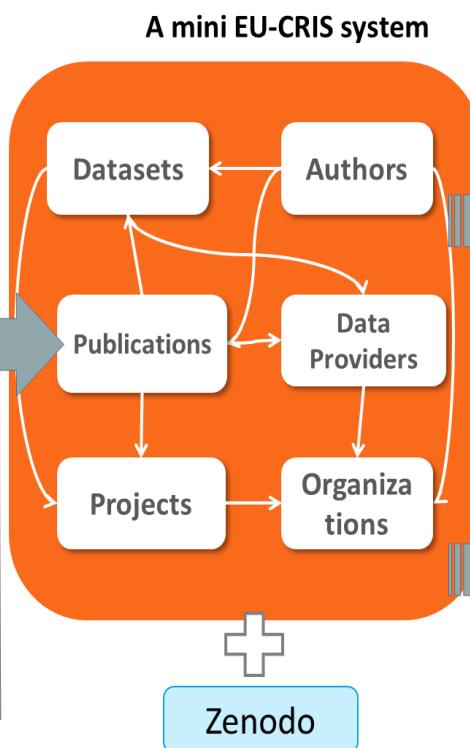
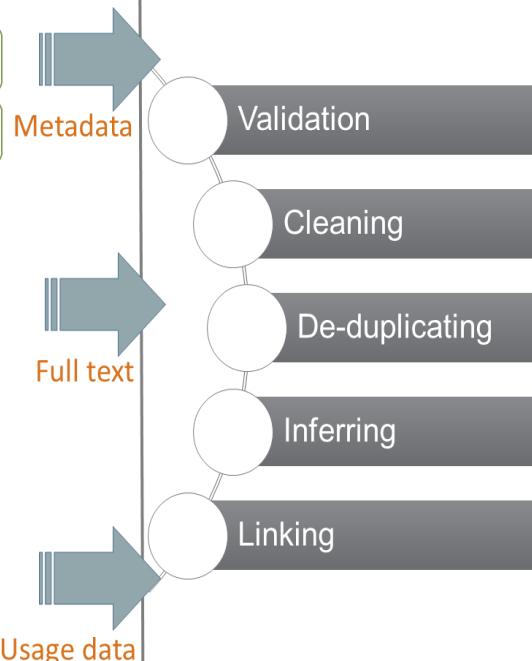


Integrated Scientific Information System





- Funding Info
- CRIS systems
- Literature Repositories
- OA Journals
- Data Repositories
- ...



Data Providers

OpenAIRE Platform

Services

The resources made available by EC

3-5 projects in ONE

- January 2015-
- Duration 42 months
- 50 partners
 - 33 National Open Access Desks
 - 6 technical partners **CNR, ARC, UNIBI, ICM, IDS, CERN**
 - 10 scholarly communication organizations
UGOE, UMINHO, UGENT, CRISTin, eIFL, LIBER, SURF ,UCL, COAR, CLARA
 - 3 data communities **EBI, Pangea, DANS**
 - 3 legal experts **UvA, UGOE, ICM**
- 9 mi Euros EC contribution

OpenAIRE2020 highlights

- Enhance interoperability of all research-cycle related resources
- Support H2020 OA mandates
 - 100% OA on scientific publications
 - Research Data Pilot
- Implement Post Grante OA publishing pilot for FP7
- Test out new forms of scholarly communication
- Solidify international collaborations
- Establish OpenAIRE legal entity

OpenAIRE2020 Networking Organisation

Operational support
(EIFL)

Strategic coordination (UGOE)

Helpdesk support
(UMinho)

Region North
(CRISTIN)

Region East
(EIFL)

Region South
(UMinho)

Region West
(UGent)

Denmark

Finland

Iceland

Norway

Sweden

Bulgaria

Croatia

Czech Republic

Estonia

Hungaria

Latvia

Lithuania

Poland

Romania

Serbia

Slovakia

Slovenia

Cyprus

Greece

Italy

Malta

Portugal

Spain

Turkey

Austria

Belgium

France

Germany

Ireland

Luxemburg

Netherlands

Switzerland

UK





OpenAIRE

NOAD Activities

Main Tasks: Dissemination and outreach and
helpdesk & training

Compatibility

Repositories
CRIS
Publishers

Outreach

Researchers
Projects
Coordinators
Administrators
Policy makers

Content Contribution

Newsletter
Featured
Project
Blog

Other Areas

Open Data
Pilot
National
Funders
Gold Pilot



HELPDESK
Ask a
question

FAQs



HORIZON 2020

RESOURCES
OA H2020
guide
Copyright
Issues
H2020
factsheets

TRAINING
Webinars
Workshops





OpenAIRE Horizon2020 FactSheets

Visit the OpenAIRE Portal
www.openaire.eu

Open Access and Open Data in Horizon 2020 How can OpenAIRE help?

Factsheet for
Research Administrators and
Project Coordinators

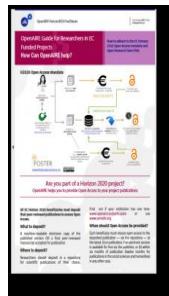
The Horizon 2020 Open Access Mandate

In Horizon 2020, the European Commission (EC) requires that all peer-reviewed publications resulting from project funding are open access (OA), i.e., freely available online with no restrictions on use.



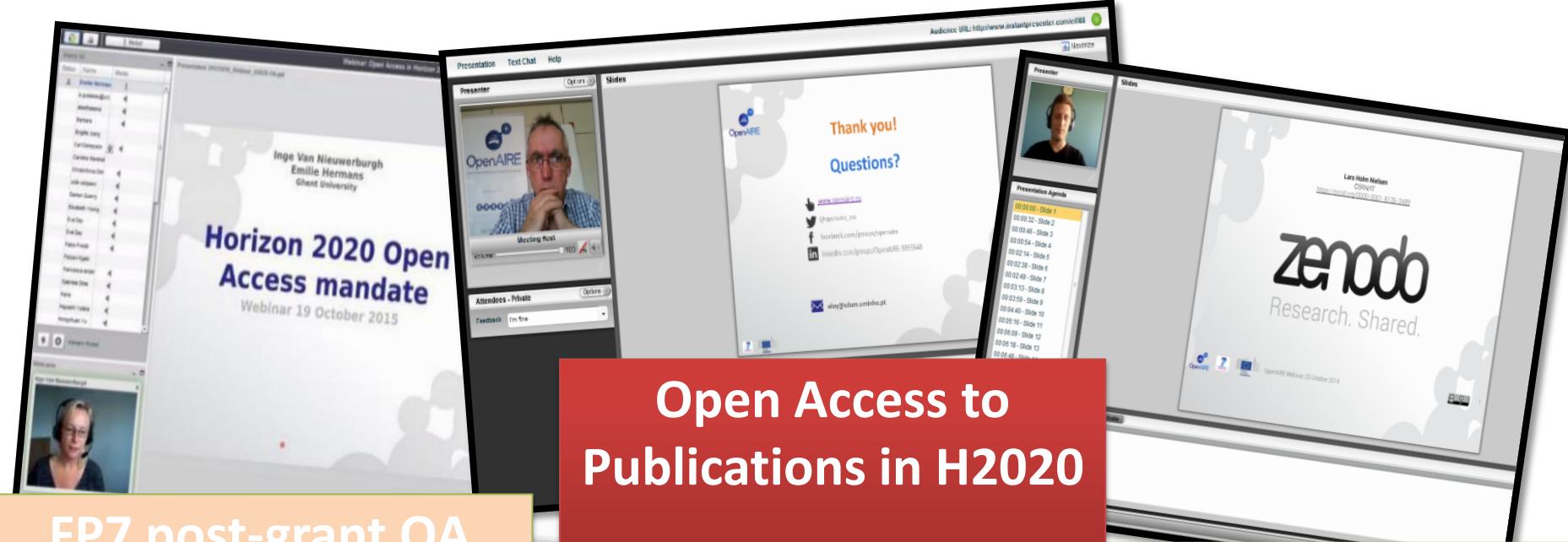
4 Simple Steps to Open Access

The screenshot shows the OpenAIRE website with the factsheet titled 'Open Access and Open Data in Horizon 2020'. It includes sections on the mandate, simple steps, and services for research managers.



The screenshot shows the OpenAIRE website with the factsheet titled 'OpenAIRE Guide for Researchers in EC Funded Projects'. It also includes a section on how to adhere to the EC Horizon 2020 Open Access mandate and Open Research Data Pilot.

www.openaire.eu/services-factsheets



Open Access to Publications in H2020

FP7 post-grant OA Publishing funds

ZENODO.
Share & Reuse

OpenAIRE compatibility for repositories

Open Research Data Pilot in H2020

www.openaire.eu/webinars

Slides

http://www.slideshare.net/OpenAIRE_eu

Pedro Principe, University of Minho
Jochen Schirrweg, University of Bielefeld

Compliant repositories for institutions,
How to maintain a compliant repository?

OpenAIRE compatible repositories, guidelines and services

6 May 2016

Open Science Training for
National Contact Points (NCP)

NCP

OpenAIRE



Research Data Management

- an introductory webinar

Tony Ross-Hellauer, OpenAIRE
Sarah Jones, EUDAT

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References

Inge Van Nieuwerburgh. Horizon 2020 Open Access Mandate

http://www.slideshare.net/OpenAIRE_eu/horizon-2020-open-access-mandate-webinar-by (28 May 2015)

Pedro Principe and Jochen Schirwagen . Compliant repositories for institutions. How to maintain a compliant repository? http://www.slideshare.net/OpenAIRE_eu/openaire-compatible-repositories-for-institutions-foster-ncps-academy-webinar (6 th May 2016)

Jean- François Dechamp e Celina Ramjoué-

<http://www.slideshare.net/OpenAccessEC/horizon2020-and-openaccess-in-10-minutes> (February 2016)

Riferimenti



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