



EUROPEAN
COMMISSION

Community research

Open Access in the European Research Area

Jean-François DECHAMP

Governance and Ethics Unit

Science, Economy and Society Directorate

Directorate-General for Research, European Commission

BERLIN8 Open Access Conference
Beijing, 25-27 October 2010



European Research Area





Outline

- **The European Commission and Open Access**
- **The European Commission and Open Access in the EU Member States**
- **Open Access in the Research Framework Programme**
- **Framework Programme projects on Open Access**
- **Conclusions**





Outline

- **The European Commission and Open Access**
- The European Commission and Open Access in the EU Member States
- Open Access in the Research Framework Programme
- Framework Programme projects on Open Access
- Conclusions





EUROPEAN
COMMISSION

Community research

Role

- **Policy-making body**
- **Research funding body**
- **Capacity-building/supporting body**



European Research Area



Approach

- **Bear in mind that research builds on former work and use opportunities offered by the digital revolution**
- **Improve return on investment in R&D**
- **Consider fair remuneration for added value brought to scientific publishing process**
- **Promote openness for the benefit of innovation**





Legal foundations

- **European Community Treaty ('Lisbon Treaty')**
 - Article 179
 - *The Union shall have the objective of strengthening its scientific and technological bases by **achieving a European Research Area in which researchers, scientific knowledge and technology circulate freely**, and encouraging it to become more competitive, including in its industry [...].*
 - Article 180(c)
 - *"[...] the Union shall carry out the following activities, complementing the activities carried out in the Member States: [...] - **dissemination and optimisation** of the results of activities in Union research, technological development and demonstration".*
 - Article 183
 - *"For the implementation of the multiannual framework programme the Union shall: - **lay down the rules governing the dissemination of research results**".*





A European Research Area

- **A Europe-wide space or ‘single market’ for research and innovation**
 - Free movement of knowledge (‘Fifth freedom’)
 - ERA should set clear principles or rules regarding:
 - The management of intellectual property resulting from publicly funded research
 - Access to, and dissemination of publications and research data resulting from publicly funded research
- **Move towards policy measures to accelerate the realisation of ERA**





Europe 2020

- **Communication from the Commission: Europe 2020 - A strategy for smart, sustainable and inclusive growth (COM(2010)2020, 03.03.2010)**
- **Strategy to be drawn up for 2011 leading to policy measures**
- **Seven flagship initiatives *inter alia***
 - 'A Digital Agenda for Europe'
 - 'Innovation Union'





Two flagship initiatives (1/2)

- **Communication from the Commission 'A Digital Agenda for Europe' (COM(2010)245, 19.05.2010)**
 - Initiative to speed up the roll-out of high-speed internet and reach the benefits of a digital single market
 - Driving ICT innovation by exploiting the single market:
“[...] *publicly funded research should be widely disseminated through Open Access publication of scientific data and papers*”;
“[...] *the Commission will appropriately extend current Open Access publication requirements [...]*”





Two flagship initiatives (2/2)

- **Communication from the Commission 'Innovation Union' (COM(2010)546, 06.10.2010)**
 - Initiative to improve framework conditions and access to finance for research and innovation
 - Delivering the European Research Area:
 - Commitment 4: *"In 2012, the Commission will propose a European Research Area framework and supporting measures [...]. They will notably seek to ensure through a common approach [...] dissemination, transfer and use of research results, including through open access to publications and data from publicly funded research"*
 - Promoting openness and capitalising on Europe's creative potential:
 - Commitment 20: *"The Commission will promote open access to the results of publicly funded research. It will aim to make open access to publications the general principle for projects funded by the EU research Framework Programmes [...]"*.





Outline

- The European Commission and Open Access
- **The European Commission and Open Access in the EU Member States**
- Open Access in the Research Framework Programme
- Framework Programme projects on Open Access
- Conclusions





2007 Council Conclusions

- **Council Conclusions on *'Scientific information in the digital age'* (2007)**
- **Invitation to the Member States to:**
 - Reinforce national strategies and structures
 - Enhance co-ordination between Member States
 - Ensure long-term preservation and pay due attention in national preservation strategies





2008/09 Questionnaire

- **Follow-up of 2007 Council Conclusions**
- **Actively engage national experts in the process of determining and developing European level policies in the area of scientific information**
- **Feedback**





ERA Conference 2009

- **'Working together to strengthen research in Europe'**
 - Dedicated session *'Open access and preservation: how can knowledge sharing be improved in the ERA?'*
- **Further ideas and concepts promoted**
 - Create networks of exchange on best practice
 - Ensure repository interoperability and sustainability
 - Put in place systems that support and reward stakeholders who participate in knowledge-sharing





EUROPEAN
COMMISSION

Community research

Joining forces with Member States

- **2010/11 Update of the 2008/09 Questionnaire**
- **Workshop (November 2010) with Member States' representatives**



European Research Area



Outline

- The European Commission and Open Access
- The European Commission and Open Access in the EU Member States
- **Open Access in the Research Framework Programme**
- Framework Programme projects on Open Access
- Conclusions





7th Framework Programme

- **Key facts and figures**

- 7th Framework Programme for Research and Technological Development (FP7)
- Duration: Seven-year programme, 2007 to 2013
- Budget: over €50 billion

- **Four main areas:**

- Co-operation: all types of research
- Capacities: infrastructures and policy
- Ideas: frontier research (European Research Council)
- People: mobility fellowships and career development





Rules and principles

- **2007 Council Conclusions**
 - Invitation to the European Commission to implement measures to experiment with open access to scientific publications resulting from projects funded by the EU Research Framework Programmes
- **Reimbursement of OA publishing costs**
- **European Research Council (ERC)**
- **The EC set its rules for access to research results financed through its Framework Programmes**





Open Access Pilot in FP7

- **Legal basis: Special Clause 39 (FP7 Grant Agreement)**
- **Peer-reviewed publications must be deposited**
 - In an institutional (university) or subject-based repositories;
 - Or a temporary repository to store 'orphan' publications if no repository available
 - And best efforts must be made to provide open access
- **All FP7 Grant Agreements signed after 20.08.2008 in**
 - 'Health', 'Energy', 'Environment', 'Information & Communication Technology' (Cognitive systems/robotics), 'Research infrastructures' (e-infrastructures)
 - 'Socio-economic Sciences and Humanities', 'Science in Society'
 - Embargo (6 or 12 months)





EUROPEAN
COMMISSION

Community research

Best efforts to provide open access

- A formulation that strongly encourages researchers & publishers to comply, while guaranteeing scientific freedom



European Research Area



Support and monitoring

- **OpenAIRE: 'Open Access Infrastructure for Research in Europe'**
 - Support for technical implementation and monitoring of the Pilot (launch December 2010)
 - Helpdesk & contact points in the EU Member States
 - Establishment and operation of a technical infrastructure of digital repositories to deposit and access scientific articles and data produced under FP7 (including ERC)
 - Infrastructure built on existing work on repositories linking of many different repositories as a service and e-infrastructure
 - Orphan repository





OpenAIRE - OpenAIRE - Windows Internet Explorer

http://www.openaire.eu

File Edit View Favorites Tools Help

OpenAIRE - OpenAIRE

Home | Contact us | Terms of use

English search...

Follow us on Twitter

Consortium members

Username login

Open Access & EC Pilot | How to deposit | Support | National OA Desks | About OpenAIRE

Open Access

Open Access is the immediate, online, free availability of research outputs without restrictions on use commonly imposed by publisher copyright agreements. It concerns the outputs that scholars normally give away free to be published – peer-reviewed journal articles, conference papers and datasets of various kinds. [Learn more...](#)

Open Access in Europe

Two main European OA initiatives are in progress which will improve access to, and will accelerate the research and discovery process:

- Open Access Pilot in FP7: [Read more...](#)
- ERC Scientific Council Guidelines for Open Access: [Read more...](#)

Supporting OA deposition NEW

OpenAIRE has set up a Helpdesk to answer your questions about the FP7 pilot and ERC OA guidelines, and on depositing Open Access publications.

Check out our [FAQ](#) or post your question to our Helpdesk.

Latest News NEW

- Call-for-Papers - 2nd DL.org Workshop: Making Digital Libraries Interoperable
- CFP - Third Workshop on Very Large Digital Libraries @ ECCL 2010
- Chalmers - first Swedish university with an Open Access mandate
- OpenAIRE Press Release
- Repositories and the Cloud
- New User Functionalities in DRIVER
- Subject Repositories: European collaboration in

20 FEBRUARY 2010

European Countries join forces to realize the EC Open Access pilot: OpenAIRE

OpenAIRE (Open Access Infrastructure for Research in Europe), a three-years project funded under the 7th Framework Programme of the European Commission, has now taken up its work to implement Open Access on a pan-European scale. This ambitious effort unites 38 partners from 27 European countries.

The main goal of OpenAIRE is to support the Open Access pilot, launched by the European Commission in August 2008. This Open Access pilot, which covers about 20% of the FP7 budget, commits researchers from 7 thematic areas (Health, Energy, Environment, Information & Communication Technology, Research Infrastructures, Socio-economic sciences & Humanities and Science in Society) to deposit their research publications in an institutional or disciplinary Open Access repository, to be made available worldwide in full text. OpenAIRE will establish underlying structures for researchers to support them in complying with the pilot through European Helpdesk System, build an OpenAIRE portal and e-Infrastructure for the repository networks and explore scientific data management services together with 5 disciplinary communities.

start | OpenAIRE - OpenAIR... | 16:53





Outline

- The European Commission and Open Access
- The European Commission and Open Access in the EU Member States
- Open Access in the Research Framework Programme
- **Framework Programme projects on Open Access**
- Conclusions





Some current projects (1)



- **SOAP: Study of Open Access Publishing**
 - Survey researchers on their experiences with open access publishing & scenarios for the future (gold open access)
- **PEER: Publishing and the Ecology of European Research**
 - Investigate the effects of large-scale, systematic deposit in repositories (green open access)
- **OAPEN: Open Access Publishing in European Networks**
 - Develop and implement OA publication models for academic books in the social sciences and humanities





Some current projects (2)



- **NECOBELAC: Network of collaboration between Europe and Latin American Caribbean countries**
 - Improve the production and dissemination of scientific information in public health & network of collaboration
- **EUROCANCERCOMS: Establishing an efficient network for cancer communication in Europe**
 - Aims to establish a single, efficient network for cancer communication in Europe for people involved in cancer: professionals, patients, politicians, industry





Current calls

- **Reinforcing European strategies on access, dissemination and preservation of scientific information in the digital age (SiS.2011.1.3.1-1)**
 - To sustain/improve co-ordination of existing initiatives, to extend current activities to other countries and/or thematic areas, to put in place new/innovative co-ordination initiatives
 - Deadline 20.01.2011
 - Maximum requested EU contribution € 750 000
 - It is envisaged that two proposal will be financed
- **Study to develop a set of indicators to measure open access (SiS.2011.1.3.1-2)**
 - To define indicators and a methodology ensuring a yearly and sustainable monitoring of open access practices from 2000 onwards, to collect and analyse data that can trace the dynamics of open access in the European Research Area
 - Public procurement (Open procedure, first semester 2011)
 - Up to € 300 000





Outline

- The European Commission and Open Access
- The European Commission and Open Access in the EU Member States
- Open Access in the Research Framework Programme
- Framework Programme projects on Open Access
- **Conclusions**





Next steps for 2011-12

- **Policy-making body**

- To mobilise and further engage Member States to undertake actions to ensure through a common approach dissemination, transfer and use of research results, including through open access to publications and data from publicly funded research
- To promote open access to the results of publicly funded research

- **Research funding body**

- To make open access to publications the general principle for projects funded by the EU research Framework Programmes

- **Capacity-building/supporting body**

- To continue to support capacity-building activities and fund relevant infrastructure, research and networking activities





EUROPEAN
COMMISSION

Community research



Resources

- **The EC and open access**
 - http://ec.europa.eu/research/science-society/open_access
- **Open access on CORDIS**
 - http://cordis.europa.eu/fp7/find-doc_en.html
- **Calls for proposals (Science in Society)**
 - http://cordis.europa.eu/fp7/sis/home_en.html

Thank you!

jean-francois.dechamp@ec.europa.eu



European Research Area

