



# Open access in a European policy context – Climate Research in perspective

**European Commission  
DG Research & Innovation**

*Symposium- Designing Comprehensive Open Knowledge Policies  
to Face Climate Change*

**Vienna 22-10-2015**

## Commissioner view



*"Open Science, of which Open Access is an important part, will be vital to ensuring European progress and prosperity in the future"*

*(Speech at NETHER, January 26, 2015)*

# The Commission objective

- *Optimise the impact of publicly-funded scientific research*
- *One way to get there: Open Access*
- *Expected benefits:*
  - Better and more efficient science
  - Economic growth
  - Broader, faster, more transparent and equal access for the benefit of researchers, industry and citizens
- *in the European Research Area and beyond*

## Three key documents (16.07.2012)

Communication '*A reinforced European Research Area partnership for excellence and growth*'

Communication '*Towards better access to scientific information: boosting the benefits of public investments in research*'

Recommendation *on access to and preservation of scientific information*

# Competitiveness Council 29 May 2015

- Member States have expressed their wish for the development of a European Open Science Agenda
  
- The Council Conclusion **calls for action to:**
  - remove obstacles to wide access to publicly funded research publications and underlying data
  
  - address better data management and welcome the Pilot on Open Research Data under Horizon 2020

# OPEN ACCESS in Horizon 2020

## Regulation establishing Horizon 2020 article 18

*"To increase the circulation and exploitation of knowledge, open access to scientific **publications** should be ensured.*

*Furthermore, open access to **research data** resulting from publicly funded research under Horizon 2020 **should be promoted..**"*

# From FP7 to H2020: OA to publications from pilot to underlying principle

- **Obligation to provide OA**
- **Green or Gold**
- **Gold** open access costs eligible for reimbursement as part of the project budget while the project runs
- **Post-grant support being piloted**
- **Authors encouraged to retain copyright and grant licences**

# Uptake of OA in FP7

- 42% of all scientific peer reviewed publications produced during the lifetime of FP7 are in open access (no data yet for Horizon 2020).
- on track to reach 60% open access by 2016 (target of 2012 Recommendation "Access to Scientific Information")



# Short on the Pilot on Open Research Data in H2020

- 2016-2017: 8 WP parts and 1 focus area
- Underlying data
- Research data repository of own choice
- Accessibility and readability
- Provide information about tools and instruments
- Have a **Data Management Plan**
- Possibilities to opt-out

***Approach: as open as possible, as closed as necessary***

## Uptake of OA in H2020: data

- ORD pilot in core areas (WP parts): 65% of projects participate
- Outside the core areas, 12% of projects make use of the voluntary opt-in possibility.

# Open Access and Knowledge and Climate Research, do we need it?

- **YES:**
  - *What would the IPCC process be without open access and knowledge?*
  - *Who would want to pay for climate projections that are publicly funded?*
  - *Where would climate science be without the large data sharing projects? Would we know about teleconnections?*
  - *Good example: GEO*

# Open Access, Knowledge and Climate Research, do we need it?

***BUT:*** Climate Services Roadmap, examples of limitations

- Infrastructure: Computing, data and information technology (IT) infrastructure required to develop, deliver and support access/use of climate services. Who pays for this after the project
- Standards/credibility: quality assurance and control, access and legal aspects
- Liability for limited, and open and free access to data and information for services supply
- IP implications by mixing sources and customers, commercial aspect

## ○ *Way ahead*

- *ERA-Net cofund action for Climate Services (start 02/2016)*
- *ECOMS coordination action for Climate Services and Earth System Modeling*

- ***Way ahead for European OA policies:***
  - *Monitor OA in FP7 and Horizon 2020*
  - *Provide 360° support for the Horizon 2020 Open Research Data pilot*
  - *Launch a European Open Science Cloud for data, protocols and methodologies*
  - *Mainstream Open Access accros Europe*
  - *Develop more and better interactions with stakeholders such as the JPI's*

# Thank you!



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**H2020 guidance:**

[http://ec.europa.eu/research/participants/data/ref/h2020/grants\\_manual/hi/oa\\_pilot/h2020-hi-oa-pilot-guide\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf)

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**List of research data repositories:** <http://www.re3data.org>

**Data Management Plan: Digital Curation Centre**

<https://dmponline.dcc.ac.uk/>

<http://www.dcc.ac.uk/resources/data-management-plans>