Supporting the transition to Open Science: Recent Developments & Useful Resources

OpenAIRE National Workshop 2018
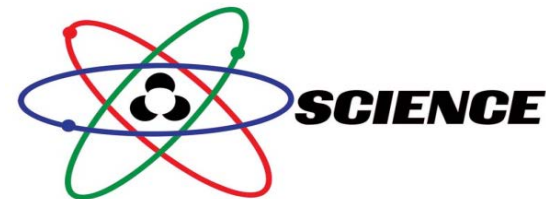
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Marina Angelaki | National Documentation Centre (EKT)

What is open science?

Open science is the transformation and opening up of science, research and innovation through information and communication technologies.

European Commission policies

2007 • EC Communication on Scientific Information

2008 • FP7 OA Pilot

2012 • Recommendation on access to & preservation of scientific information

2014- • Horizon 2020 OA and ORD policies

2015 • Digital Single Market (DSM) strategy
• ERA Roadmap (2015-2020)

2016 • Council Conclusions on open science (Member States)

2016 • European Cloud Initiative Communication (ECI)

2018 • Revision of 2012 Recommendation on access to & preservation of scientific information

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Member States: Council Conclusions on open science (May 2016)

- The Council:

    - ACKNOWLEDGES that **open science has** the **potential** to increase the quality, impact and benefits of science and to accelerate advancement of knowledge by making it […] better understandable by society and responsive to societal challenges […]

    - AGREES to further promote the mainstreaming of **open access to scientific publications** by continuing to support a transition to immediate open access as the default by 2020

    - "the underlying principle for the **optimal reuse of research data** should be: 'as open as possible, as closed as necessary'".

    - Emphasises that optimal reuse can be realised if consistent with FAIR principles

        - Open Science Policy Platform (to promote further European Open Science Policy)
          http://ec.europa.eu/research/openscience/pdf/ospp_nominated_members.pdf#view=fit&pagemode=none

        - Calls on the Commission, Member States and stakeholders to take necessary actions for making open science a reality

European Cloud Initiative (COM(2016)178)

- **Problems addressed:**
- Closed data; lack of re-use framework; lack of interoperability; fragmentation of infrastructure; lacking High Performance Computing (HPC)

- **ECI pillars:**
  - 1. **European Open Science Cloud**
    - Federated environment for cloud-based research and access to data
  - 2. **European Data Infrastructure**
    - Development and deployment of large-scale European HPC, data and network infrastructure
  - 3. **Widened user base (industry, e-gov, citizens)**

- New set of recommendations to support and guide Member States

- Reflects ongoing developments at EU level on EOSC and the increased capacity of data analytics

- A holistic approach regarding the transition to Open Science: Recommendation includes sections on rewards & incentives, skills & competencies, and asks Member States for action plans with concrete goals and objectives

- Highlights need for more developed infrastructure and integrated systems

Where does Cyprus stand?

- Adopted National Open Access Strategy (02/2016) – outcome of collaboration among a wide range of stakeholders
- RPF has included provisions in the "Restart 2016-2020" Programme
- Universities in the process of adopting OA/OS policies

OpenAIRE

- Supports the H2020 vision of OA for publications & data (OpenAIRE as a central infrastructure and service for H2020)
- Monitors OA research outcomes from the EC and other national funders
- Provides a repository service to researchers with no access to an institutional repository www.zenodo.org
- Supports researchers in OA related issues through the National Open Access Desks Network (NOADs)- **UCY NOAD-Cyprus** http://www.openaire.eu/en/support/helpdesk
- Provides training (factsheets, webinars)

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HELPDESK, CONSULTING, TRAINING

Researchers, Universities/libraries, Funders

Open Access implementation. RDM, DMP tools and best practices.

HELPDESK

Ask a question

FAQs

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HORIZON 2020

OA H2020 guide

Copyright Issues

H2020
factsheets

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Guidelines, validation, registration

OPEN ACCESS
Questions about Open Access initiatives and specifics.

RESEARCHERS
All you need to know about depositing Open Access and complying with policies.

POLICY MAKERS
Funders, policies, mandates, ...

RESEARCH MANAGERS
How can OpenAIRE help you out.

PORTAL SERVICES
Help on how to use the portal services.

FP7 POST-GRANT OA PUBLISHING FUNDS
European Commission's post-grant Open Access Pilot and how to access funding for OA publication.

CONFERENCE

31 May –
1 June 2018
ATHENS

Open Scholarly
Communication in Europe:
Addressing the
Coordination Challenge

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Thank you!

mangelaki@ekt.gr