International Collaboration Boosting Open Science in Finland

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Fiesole 4.4.2019
“Open Science is scholarly research that is collaborative, transparent and reproducible and whose outputs are publicly available.“

OSPP Integrated Advice 2018
Agenda

- Open Science Policy Platform
- Open Science in Finland
- The impact of PLAN S on national licensing
- How can libraries foster Open Science?
  - LIBER – The Network of European Research Libraries
- Conclusions
Open Science Policy Platform
Background

- 2014
  - Public consultation on “Science 2.0: Science in Transition”

- 2015
  - Competitiveness Council welcomed the development of an Open Science Agenda

- 2016
  - Launch of Open Science Policy Platform (OSPP) by Commissioner Moedas

- 2018
  - Competitiveness Council was informed about the “Integrated Advice of the Open Science Policy Platform”

- 2018–2020
  - 2nd mandate of the OSPP
  - Outreach and implementation of Open Science policies & practices
Open Science Policy Platform (OSPP), M2

- **Advise** the Commission on open science policy
- **Practically implement** the European Open Science Policy Agenda
- **Improve** the quality and impact of European science across member states and internationally
- **Identify** related stakeholder groups
- OSPP consists of 25 high-level representatives of European Open Science stakeholders

Photos: © European Union, 2016
OSPP stakeholders

- Universities
  - European University Association (EUA), LERU
- Research organisations
  - EARTO, EU-Life: EMBO, Living Labs
- Scientific societies
  - European Physical Society, EUCHEMS
- Research funding organisations
  - Science Europe
- Citizen Science organisations
- Publishers
  - STM Publishers, OASPA
- Open Science Platforms
  - RDA, GEANT, OpenAIRE, EGI, Business Europe
- Libraries
  - LIBER

Photo: © European Communities, 2009
OSPP priorities

- FAIR Open Data
- The European Open Science Cloud
- Altmetrics – Next Generation Metrics
- New business models for scholarly communication
- Rewards
- Research integrity
- Open Science skills
- Citizen Science

Overview of Projects on Open Science and Responsible Research and Innovation

HLEG reports:
- Prompting an EOSC in practice
- Turning FAIR into reality
- Rewards & indicators
- Citizen Science

OSPP advice is based on HLEG reports

Photo: © European Union, 2015
“All published research outputs from public funding in Europe must be made public in a way that ensures both immediate Open Access and full text and data mining rights of that content, while being sensitive to disciplinary differences.”

OSPP-REC: Open Science Policy Platform Recommendations
Open Science in Finland
Development of Open Science Policy and Action Plan in Finland since 2010

- TTA programme 2010–2013
  - Building the basis for future work

- Open Science and Research Initiative 2014–2017
  - “Open research leads to surprising discoveries and creative insights”
  - Publications, data, methods

- The Finnish University Rectors’ Council’s (UNIFI) Action Plan 2018

- National coordination of Open Science in Finland 2018–
  - Led by the Federation of Finnish Learned Societies
  - Independent from the Ministry of Education and Culture
  - All research organisations invited
  - Broad engagement with the research community
  - “By the research community, for the research community”
National coordination of Open Science in Finland: Aims

- National guidelines and strategies
  - National OA strategy (2019)
  - Researcher evaluation guidelines (2019)
  - Open Science Roadmap
- Improved collaboration and synergy, more dialogue
- Clearer big picture
- Research organisations responsible for OS activities within their organisations
- Research funding organisations give credit for OA activities
Coordination structure

Open research community

- Open Access
- Open data
- Open learning

Strategy group

- REWARDS AND MERIT
- CITIZEN SCIENCE
- INDICATORS AND METRICS

New platforms

- Finnish journals
- Big publisher agreements
- Peer review

Fixed term working groups set by Expert Panels on key issues

EOSC

FAIRDATA

Journal data policy

Data citations

Open data

Representatives from all key research organisations – decision-making body

Coordination structure

Fixed term working groups set by Expert Panels on key issues

Representatives from all key research organisations – decision-making body
Universities and National coordination

NATIONAL COORDINATION OF OPEN SCIENCE

OPEN SCIENCE AND DATA

STEERING GROUP

COORDINATING BODY

SECRETARIAT

CULTURE OF OPENNESS

FAIR RESEARCH DATA

OPEN PUBLICATION

MEASURES
Open Science Infrastructures

THE OBJECTIVE FOR OPEN SCIENCE: A SERVICE ECOSYSTEM

THE OPEN SCIENCE’S ECOSYSTEM IN FINLAND

OPEN SCIENCE AND DATA

JOINT RESOURCES

EUROPEAN OPEN SCIENCE CLOUD

NEW SERVICE NEEDS

KNOWLEDGE SHARING

SHARED PRACTISES

OPEN SCIENCE AND DATA
The impact of national guidelines and PLAN S on national licensing
PLAN S – Accelerating the transition to full and immediate Open Access to scientific publications

- “By 2020 scientific publications that result from research funded by public grants provided by participating national and European research councils and funding bodies, must be published in compliant Open Access Journals or on compliant Open Access Platforms.”

- cOAlitionS has been signed by 19 national funders (Academy of Finland), 4 charitable foundations, is supported by the EU and ERC, and has received 24 support statements (e.g. LERU, Liber, COAR, EUA)
  - Plan S is global
  - Guidance on the implementation of Plan S (2018)
  - Feedback on implementation guidelines from stakeholders by 8.2.2019
FinELib & Alternative Access Plan

- Consortium of Finnish HE institutions, research institutes, and public libraries
- Negotiates license agreements centrally on behalf of its member organisations
- OA in negotiations since 2016
- Total 125 e-resources
- Common Alternative Access plan created 2017
Transformative agreements in Plan S

- Third road of Plan S
  - Publishing in ‘hybrid’ journals only under transformative agreements
  - COAlition S acknowledges existing transformative agreements. However, from 2020 onward, new agreements need to fulfil the following conditions to achieve compliance with Plan S:
    - Contracts (including costs) of such agreements need to be made publicly available
    - Contract negotiations need to be concluded before the end of 2021, and contracts may not last for longer than three years
    - Negotiated agreements need to include a scenario describing how the publication venues will be converted to full Open Access after the contract expires
    - Effects of the transformative agreements will be reviewed in 2023
Plan S and FinELib

- The Finnish rector's council, UNIFI, supports FinELib’s licensing goals
- Plan S gives strong support to negotiations
- Transparency
- Appropriate and easy to understand terms of use
  - CC licences (preferably CC BY)
- Results and current situation:
  - Agreements with Springer and Royal Chemical Society: 100% OA
  - No deal for 2019 with Taylor and Francis
  - Several deals with partial OA publishing rights (e.g. ACS) or discounted APCs for researchers (e.g. Elsevier)
FinELib agreements

*) Springer: October through December (from the beginning of the agreement)
FinELib agreements

FinELib agreements: articles published in 2018

- **Springer**: 100%
- **ACS**: 54%
- **Elsevier**: 28%
- **Taylor & Francis**: 25%
- **Emerald**: 10%
- **Sage**: 5%
- **Lippincott**: 4%
“cOAlition S recognises that research funders, institutions, researchers, learned societies, librarians, and publishers must work together towards a system of scholarly publishing that is more accessible, efficient, fair, and transparent.”
LIBER – The Network of European Research Libraries
EUROPE’S LARGEST LIBRARY NETWORK

- Founded in 1971
- Ca. 440 libraries in over 40 countries
- 28% in Southern and Eastern Europe, expanding
- 12 libraries in Italy; e.g.
  - European University Institute
  - Casalini Libri
LIBER STRATEGY – 2022 RESEARCH LANDSCAPE VISION

- **Open Access** as the main form of publishing
- **FAIR** Research Data
- Transparent research life cycle, reinforced by digital skills
- **Research infrastructures** that are collaborative and tailored to the needs of different disciplines
- **Digital information** that supports tomorrow’s cultural heritage

**OPEN SCIENCE ROADMAP**
doi.org/10.5281/zenodo.1303002
HOW WE FOSTER OPEN SCIENCE

Training: Annual Conference, leadership courses, workshops, webinars.

Guiding: Best practices, and other resources to help libraries improve and innovate.

Advocating: Speaking up globally for research libraries.
   • Open Science
   • TDM

Networking: Bringing professionals together.
All stakeholders have to be active to make Open Science happen - it is all about collaboration!
Photograph: Väinö Kannisto 1958, Helsinki City Museum
www.finna.fi/Record/hkm.HKMS000005%3Akmm0000m4nm
Thank you!

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