



# 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



Photo: Carola Radke

# 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
  - 2<sup>nd</sup> 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
  - Terms of office: 2016–2018 and 2018–5/2020



# 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

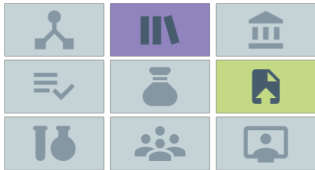
- FAIR Open Data
- The European Open Science Cloud
- Almetrics – Next Generation Metrics
- New business models for scholarly communication
- Rewards
- Research integrity
- Open Science skills
- Citizen Science
  
- [Overview of Projects on Open Science and Responsible Research and Innovation](#)
- HLEG 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



# OSPP recommendations 2018



“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.”

Stakeholders



## Future of Scholarly Communication

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\*.

Venues used for the publication of research outputs must ensure long-term archiving and provide clear, consistent and easily accessible and machine-readable information on their Open Science policies.

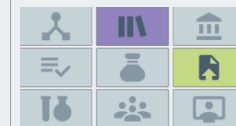
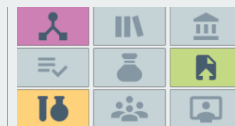
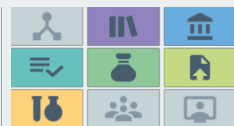
- Each Member State, together with its respective stakeholders, must develop policies to guarantee compliance with the EU Open Access mandate, including both incentives and enforcement, by 20 EOSC Summit 11.6.2018

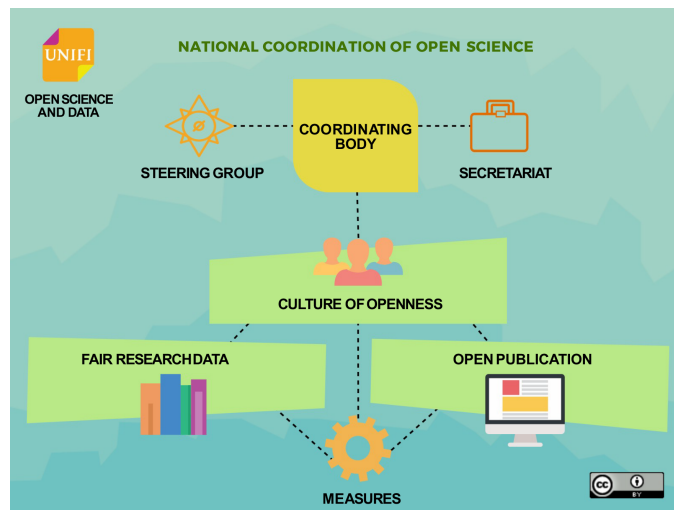
- The EC has adopted the implementation roadmap for the European Open Science Cloud
- High level expert groups on EOSC, Future of Scholarly Publishing and Fair Data have been formed and are active
- The EC will develop an Open Access Publishing Platform; tender has been opened

20. This needs to happen in ways that are sensitive to disciplinary differences, the financial investment required and fast-changing publishing systems.

All authors must make their data and software (i.e. excluding, if relevant, data owned by third-parties, etc) appearing in their open access publications FAIR (Findable, Accessible, Interoperable and Reusable). To this end, a key requirement is deposition in a trusted repository that adheres to FAIR principles. In addition, all publications must include a statement of FAIR compliance for the source data underpinning their claims and the licence for its reuse.

All publication venues must prominently display their Open Access and FAIR data policies.





# Open Science in Finland

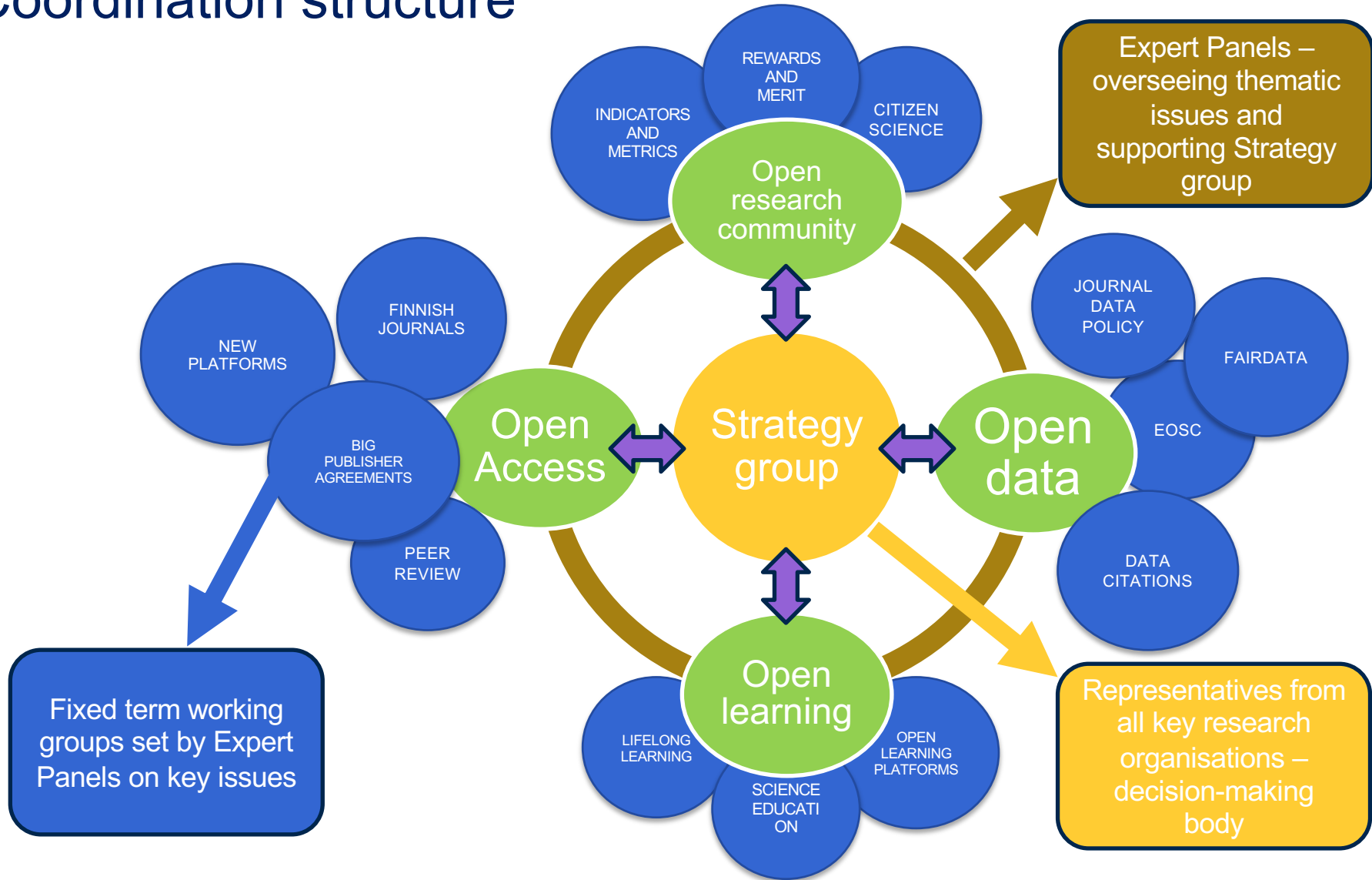
# Development of Open Science Policy and Action Plan in Finland since 2010

- 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”**

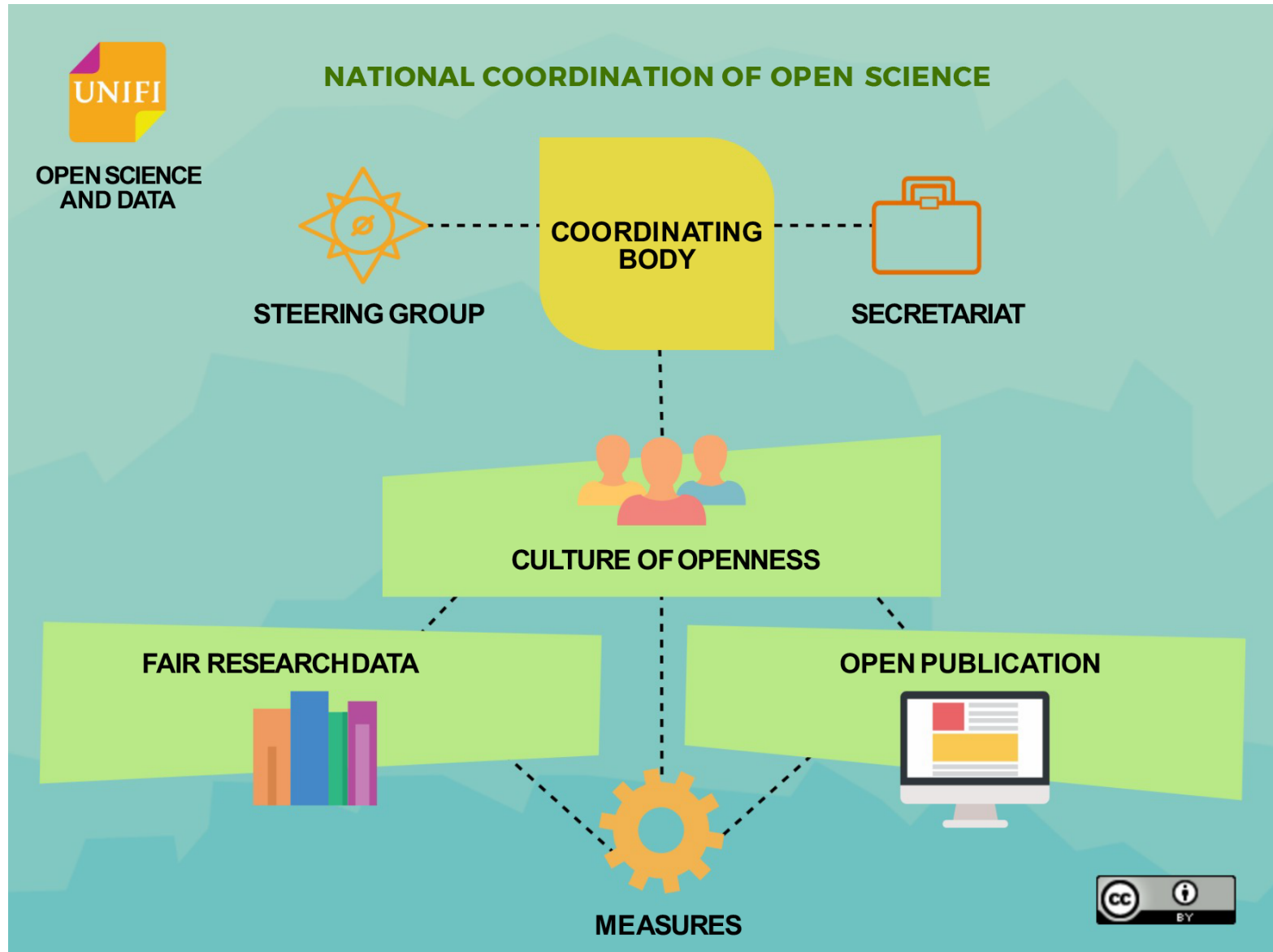
# National coordination of Open Science in Finland: Aims

- 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

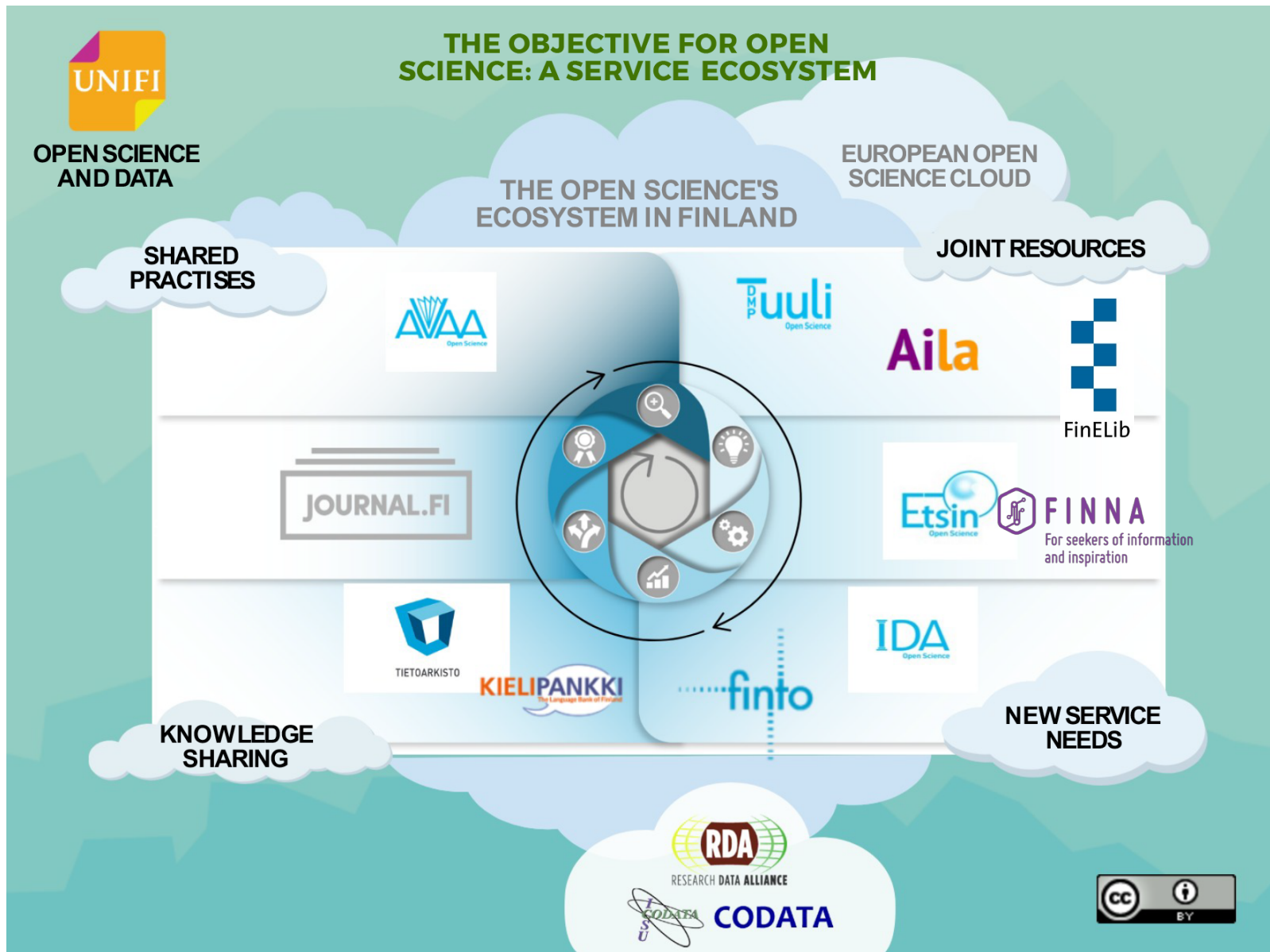
# Coordination structure



# Universities and National coordination



# Open Science Infrastructures



# The impact of national guidelines and PLAN S on national licensing

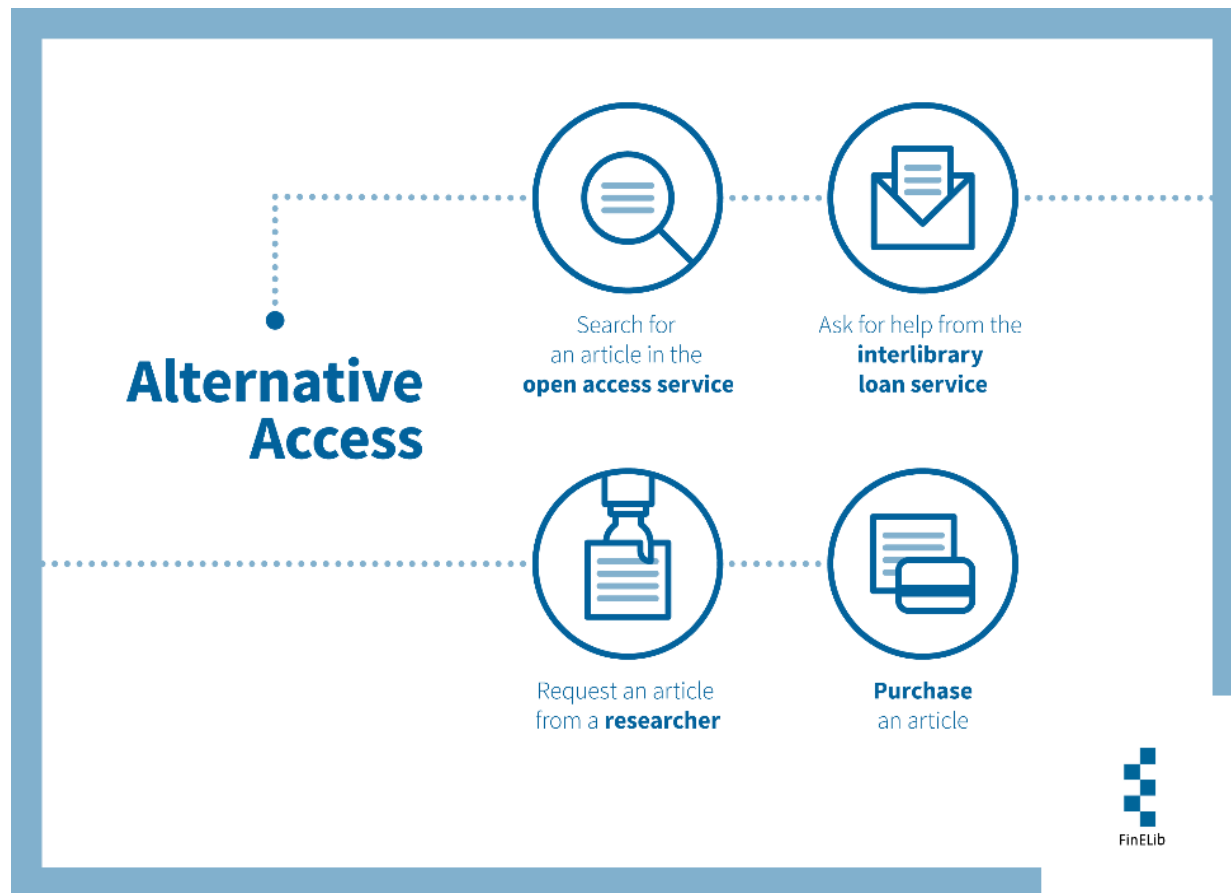


# PLAN S – Accelerating the transition to full and immediate Open Access to scientific publications

- “**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



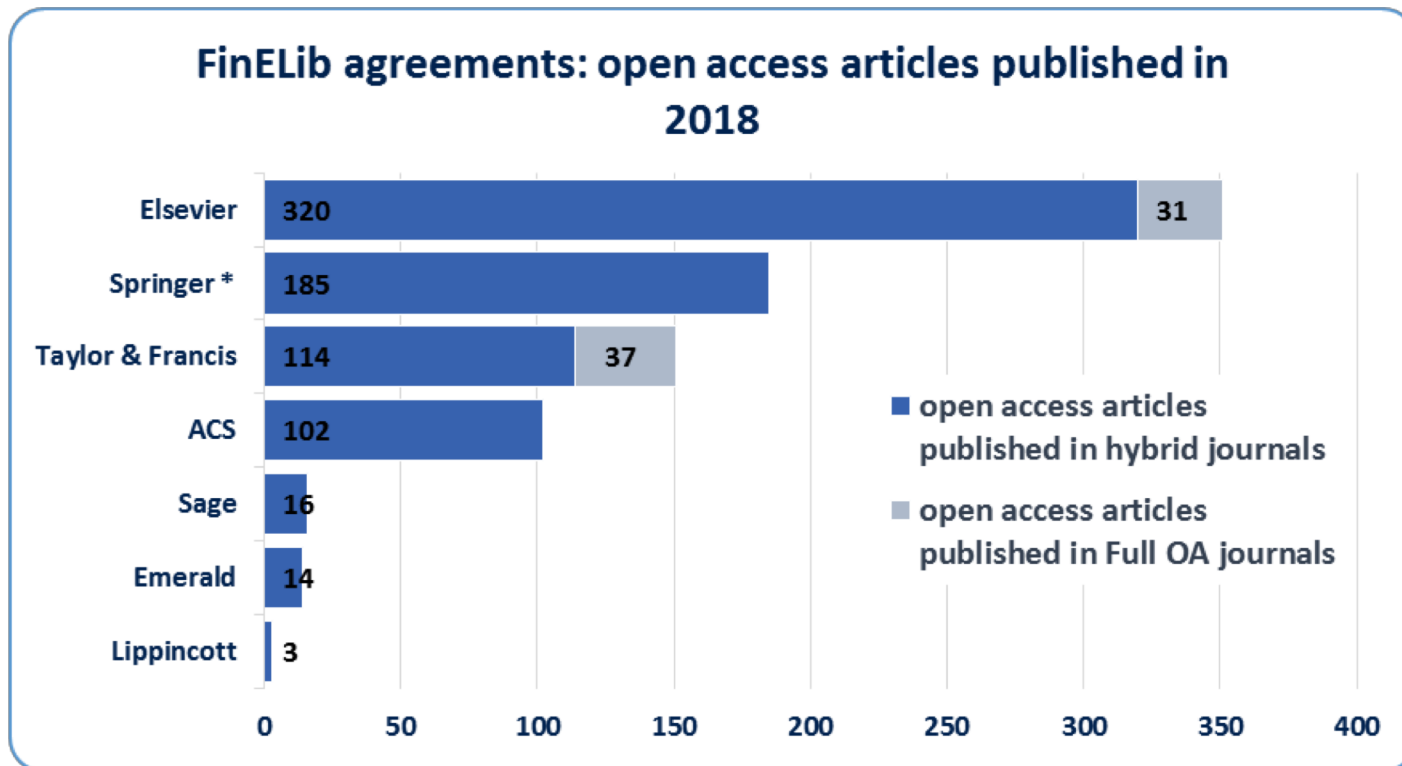
# Transformative agreements in Plan S

- 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 rectors council, UNIFI, supports FinELib's licensing goals
- Plan S gives strong support to negotiations
- Transparency
  - Agreements published: <http://finelib.fi/negotiations/agreements/>
  - Subscription prices published: <https://avointiede.fi/en/publisher-costs>
- 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)

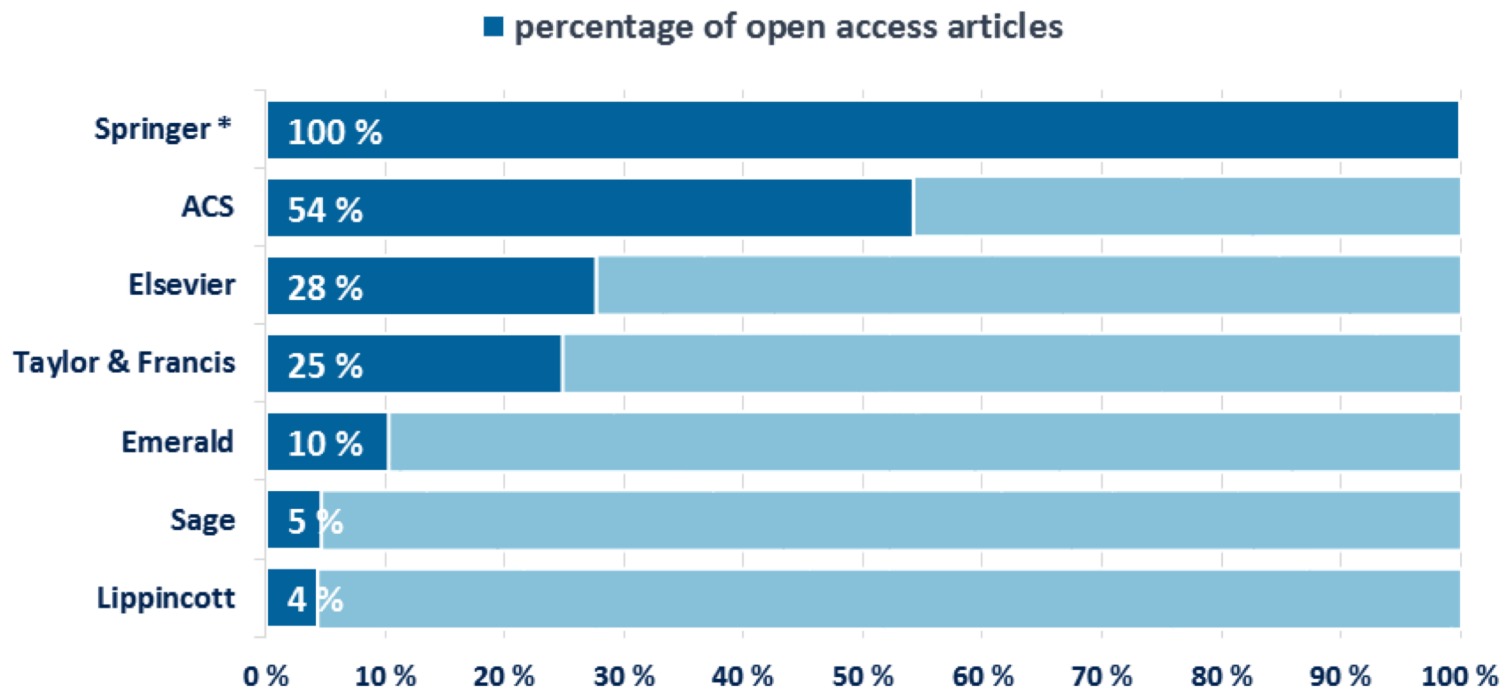
# FinELib agreements



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

# FinELib agreements

## FinELib agreements: articles published in 2018



“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](https://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.



*A workshop run by our Digital Skills for Library Staff and Researchers Working Group.*

**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%3Akm0000m4nm](http://www.finna.fi/Record/hkm.HKMS000005%3Akm0000m4nm)

# Thank you!

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