



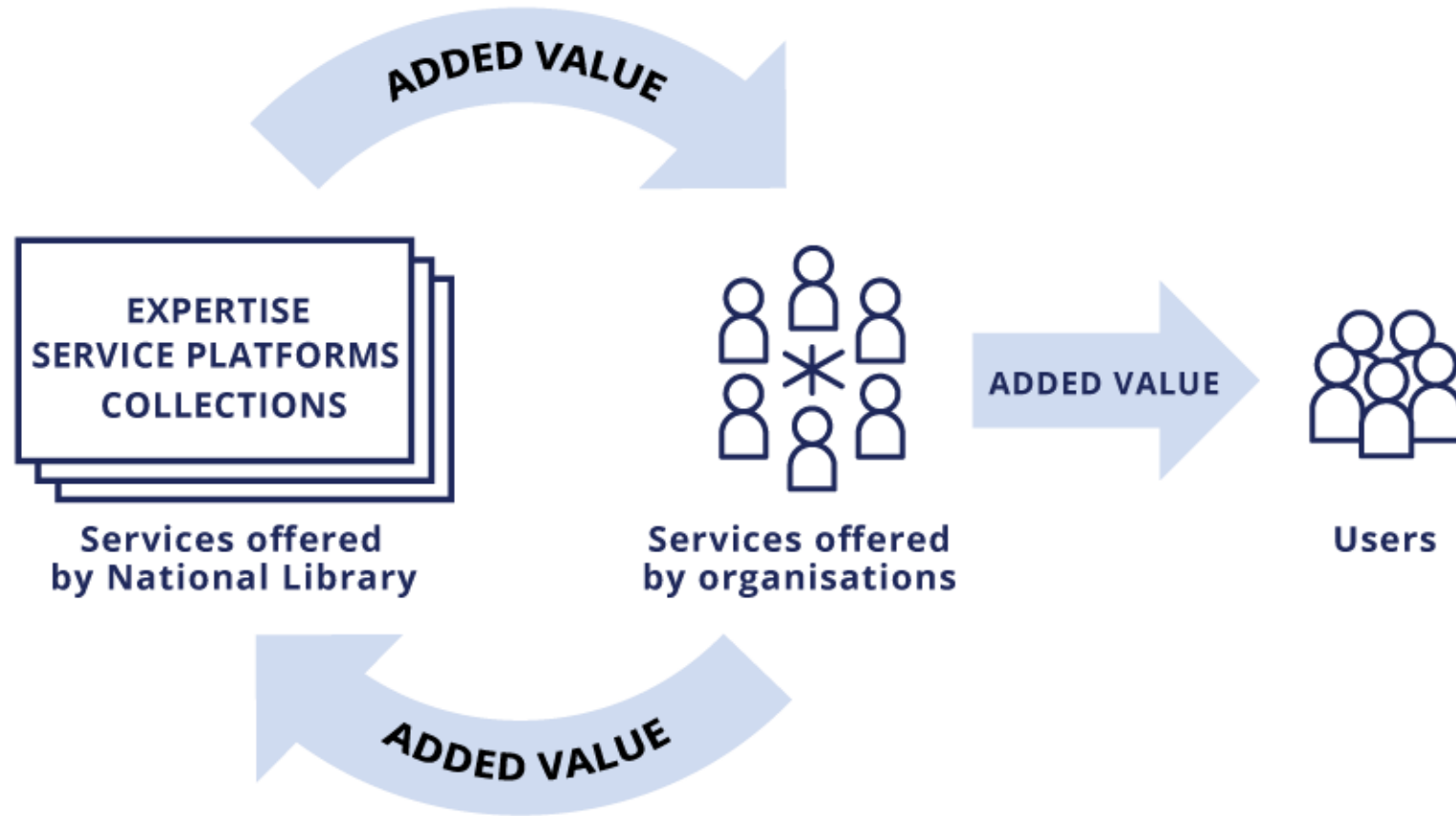
# National Library Network Services

Kristiina Hormia-Poutanen  
Director of National Library Network Services  
President of LIBER

# National Library Network Services

- **Welcome** – Ms Kristiina Hormia-Poutanen
- **Services for organisations** – Ms Kristiina Hormia-Poutanen
- **LIBER** – Ms Kristiina Hormia-Poutanen
- **Melinda, National Metadata Repository-** Minna Olkinuora-Tauru, Nina Hyvönen, Ulla Ikäheimo
- **Finna, the public interface of the National Digital Library** – Mr Erkki Tolonen
- Discussion
- Lunch

## SERVICE DELIVERY FRAMEWORK FOR ORGANISATIONS



# Services for organisations

- Steering description work; Development and maintenance of formats and standards: Making national databases available
  - RDA implementation
  - Opening metadata repositories as linked open data
- Institutional Repository Services
- Communication, interactive communication channels, training & raising awareness
  - Remote services
  - Tailored services
- National licensing, FinELib
  - Licensing
  - Support services
  - Communication, training, raising awareness, legal support
- Finna
  - Deployment
  - Development and support
- Melinda
  - Deployment
  - Development and support
- Finto
  - Development and support
  - Enabling semantic interoperability

**Working together!**



# **FinELib: The best electronic resources for research and teaching – while supporting openness**

# FinELib



- is a **consortium** comprising Finnish universities, universities of applied sciences, public libraries and a number of research institutes and special libraries
- is a part of the services of the National Library of Finland for the Finnish library network
  - service centre (FinELib) at the National Library
  - expertise in legal issues, tendering
- acquires both Finnish and international electronic resources for the needs of research, education, and learning
- promotes the availability and use of high quality information throughout Finnish society
- negotiates license agreements centrally on behalf of its member organisations
  - power of attorney from libraries to sign agreements on behalf of libraries

# FinELib - facts

1997 Start with project funding

2000 FinELib Service Unit to the National Library of Finland

2009 & 2014 FinELib one of the 24 National Infrastructures

## Members:

15 Universities

25 Universities of Applied Sciences (Polytechnics)

30 research institutes / special libraries

Public libraries

## Steering group

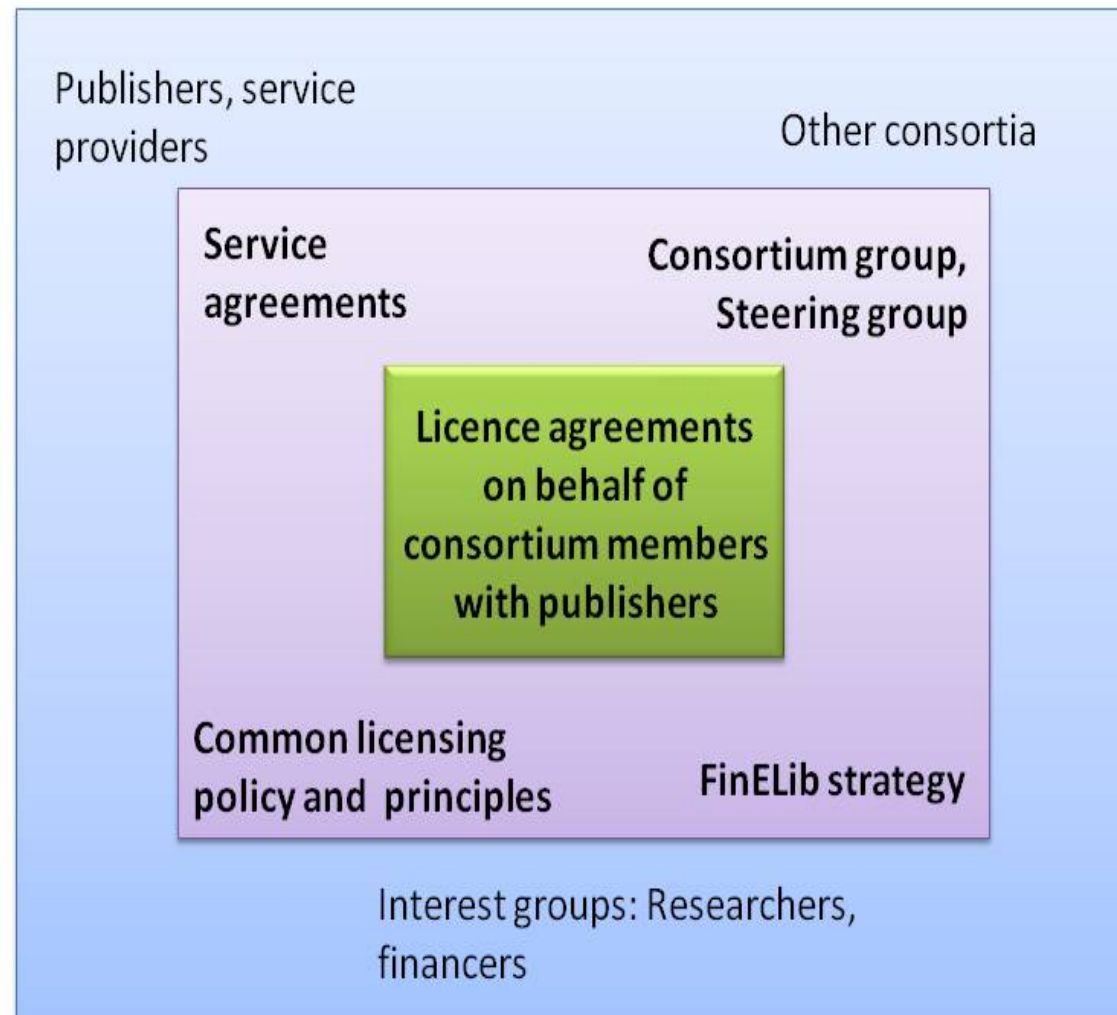
Policy of the consortium, evaluating the impact, efficiency and effectiveness

Senior administrators, rectors



# Consortium principles

- Guidelines (how consortium operates)
  - E.g. Organisations will join the consortium as a whole, FinELib service unit negotiates licenses for the purposes of research, teaching and learning but not for commercial use
- Licensing principles
  - What kind of agreements members can expect service unit to negotiate (obligatory, optional principles)
- Service agreements
  - National Library & member organisations
- International cooperation



# Budget for licenses in 2016 (by sector)

	License Fees in euros (2016)
Consortium as total	25 mill
Universities	19,3 mill
Universities of Applied Sciences (Polytechnics)	2,2 mill
Research institutes	3,1 mill
Public Libraries	367 000





# National Library of Finland promoting Open Science

## 1. National Library Strategy 2016–2020

Vision: **Our National Treasures Available for Everyone**

Goals:

- We provide **digital services** which are extensively accessible to the public.
- Our information resources and services support **openness**.
- We provide the necessary conditions for digital **research and learning** environments.

## 2. Open National Library Policy

- Policy; Implementation plan

## 3. The Digital Humanities Policy of the NLF

# Open National Library

We are an open organisation that plans its operations together with its key stakeholders. Openness builds trust.

The openness of resources and services means that customers have better access to them and they can achieve a greater social impact.

## The National Library

1. promotes open science and open access to the cultural heritage.
2. develops open services.
3. plans and develops services together with customers and partners.
4. integrates its open services into national and international infrastructures and services.
5. prepares its strategy and key operational policies together with its key stakeholders.
6. promotes knowledge sharing, shares its knowledge and learns from others.
7. influences the development of legislation by extensively supporting open access to resources and services.
8. aims to ensure maximum access to resources in its agreements.

# The Digital Humanities Policy of the NLF

1. The National Library will **promote the conditions** necessary for research in digital humanities.
2. The National Library offers digitised and born-digital research resources in formats, which are broadly available for research.
3. The National Library can **curate** its resources and services for digital humanities research.
4. The National Library **participates** in the development of the tools and methods of research.
5. The National Library **cooperates** with national and international research infrastructures.
6. The National Library's development **work focuses** on the modelling of data, metadata, data management and data mining, and associated practical applications.
7. When planning research cooperation projects and their funding, the National Library will consider the services to be developed for the project as well as the maintenance work required after the project.
8. The National Library is an active and renowned institution in the field of digital humanities.



Ligue des Bibliothèques Européennes de Recherche  
Association of European Research Libraries

# Association of European Research Libraries

Director, National Library Network Services, National Library of Finland

President, LIBER



THE NATIONAL LIBRARY OF FINLAND





# Open Science - a definition

“The practice of science in a way that others can **collaborate** and **contribute**, where research data, lab notes and other research processes are **freely available**, with terms that allow **reuse**, **redistribution** and **reproduction** of the research, it’s underlying data and methods”

<https://www.fosteropenscience.eu/foster-taxonomy/open-science-definition>



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Association of European Research Libraries

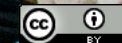
LIBRARY OF FINLAND

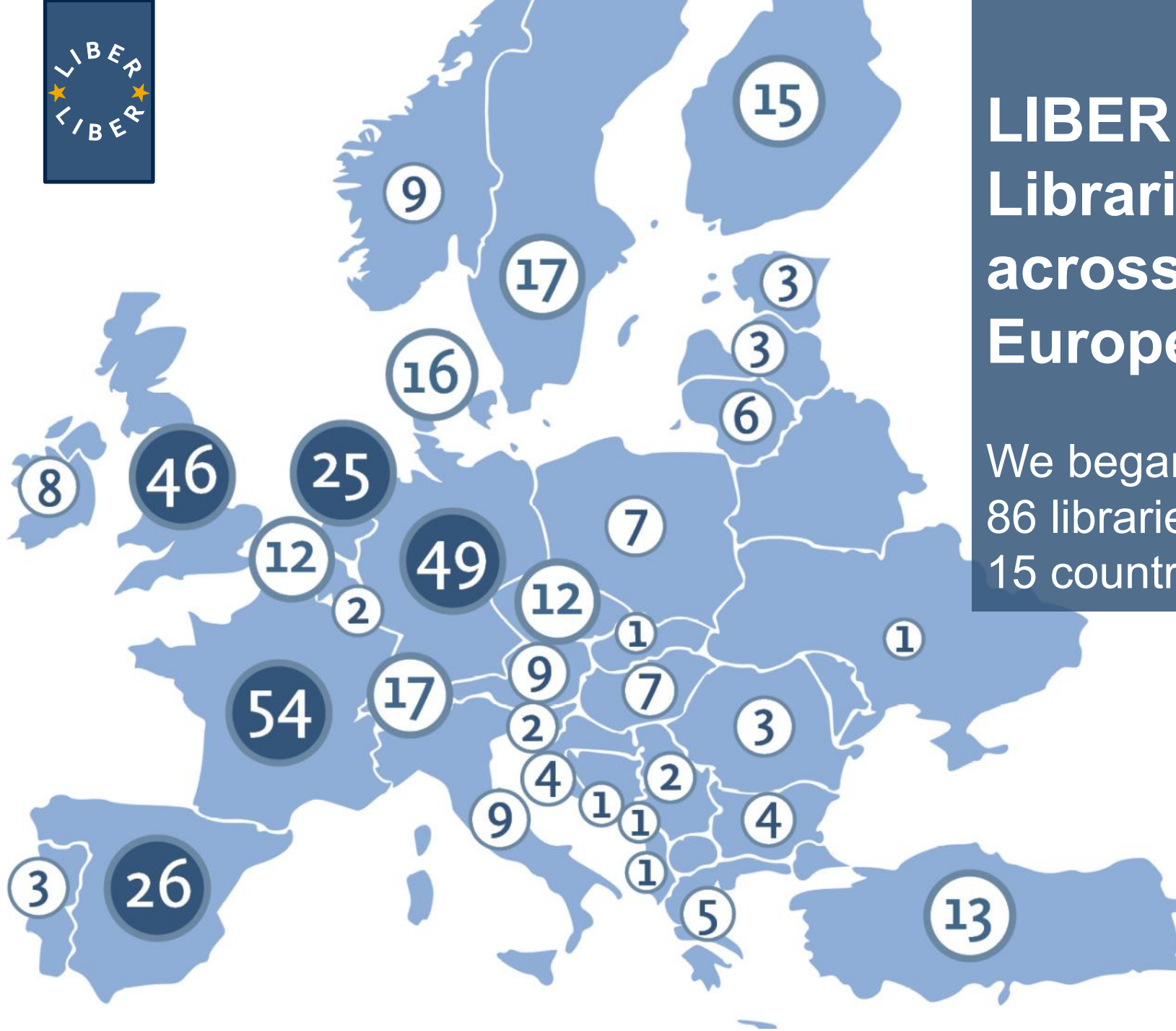




LIBER is the  
largest  
research  
library network  
in Europe.

Founded in 1971.  
Based in The Hague.





# LIBER Libraries across Europe

We began with  
86 libraries in  
15 countries.



**430 libraries**  
**40+ countries**

University, national,  
and special libraries.



# LIBER Strategy 2018-2022

Strategy development is fundamentally about **choices and priorities**.  
The main area of focus that has been chosen is **digital open services supporting research**

The Strategy builds **links between print and digital collections** and services through one of its priority areas, '**Digital Cultural Heritage and Digital Humanities**', where libraries are positioned as a hub around which researchers, collections and service development come together

Open Science is not mentioned specifically in the strategy but instead innovative scholarly communication, digital skills and services, as well as research infrastructures are emphasized

# Powering Sustainable Knowledge in the Digital Age

- Open Access is the predominant form of publishing;
- Research Data is Findable, Accessible, Interoperable and Reusable (FAIR);
- Digital Skills underpin a more open and transparent research life cycle;
- Research Infrastructure is participatory, tailored and scaled to the needs of the diverse disciplines;
- The cultural heritage of tomorrow is built on today's digital information.

- Three Strategic Directions
- Added Value and Support for LIBER Institutions



# Strategic Directions

## LIBRARIES AS A PLATFORM FOR INNOVATIVE SCHOLARLY COMMUNICATION

Open Access of research publications

Research data management

Innovative metrics

Innovative peer review

## LIBRARIES AS A PARTNER IN RESEARCH INFRASTRUCTURE

Shared services & cloud services

Semantic interoperability; open and linked data

Data stewardship

Disciplinary partnership

# Strategic Directions

## **LIBRARIES AS A HUB FOR DIGITAL SKILLS AND SERVICES**

Changing the service development philosophy

Diversifying digital skills of library staff members and researchers:

Digital cultural heritage and digital humanities

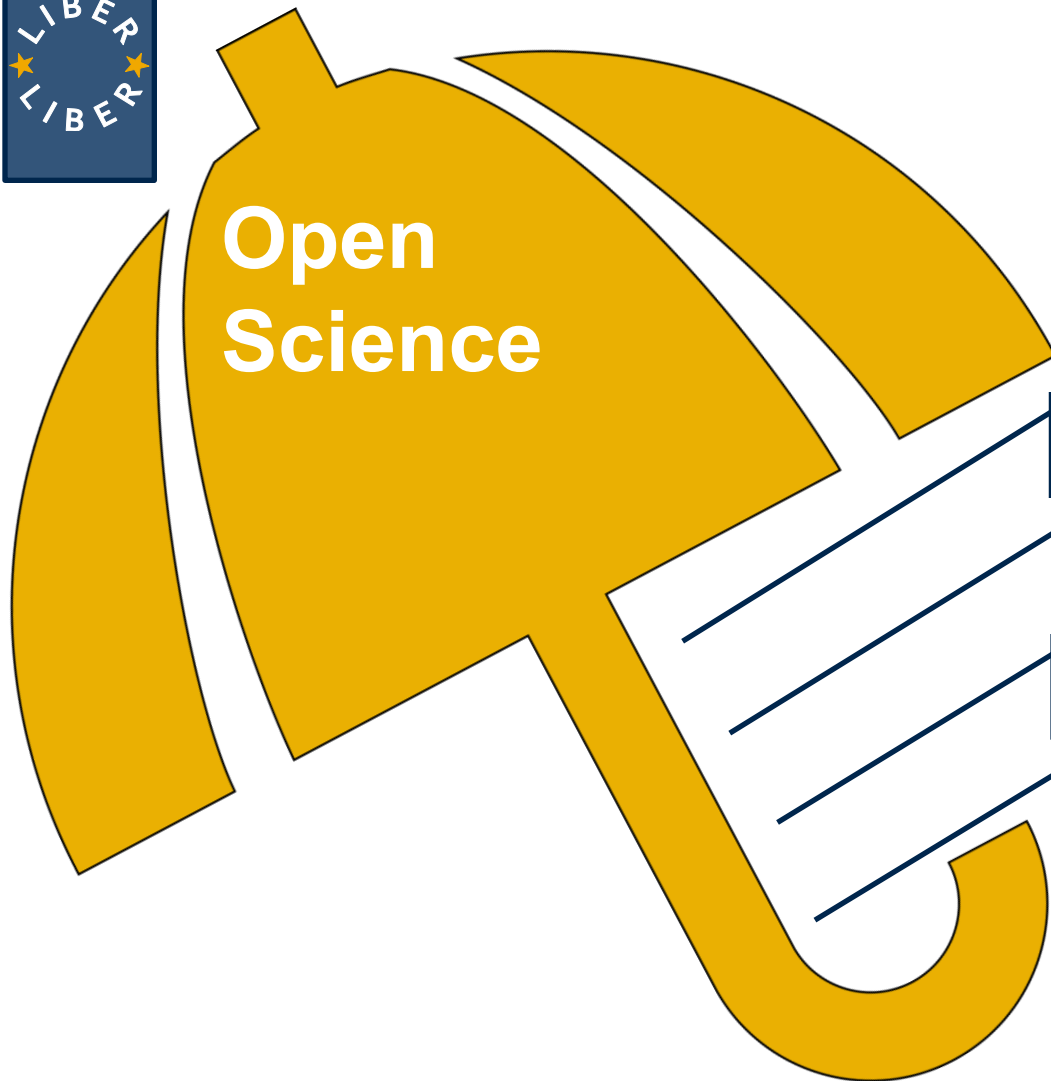
Citizen science

Text and data mining

Copyright and legal matters

Information ethics





# Advocacy Strategy

Open Access

Copyright / TDM

RDM

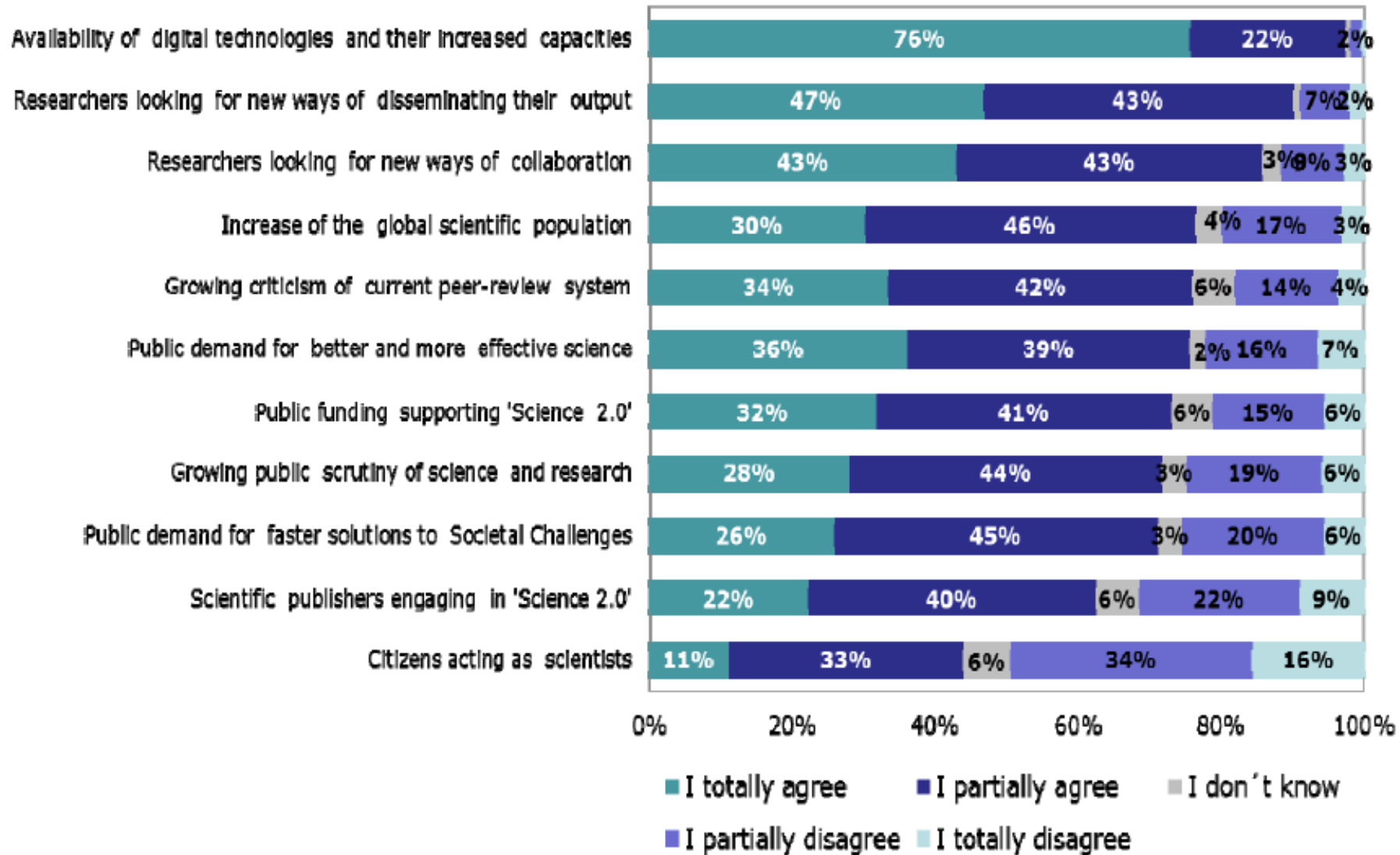
Infrastructure

**LIBER WEBSITE** <http://libereurope.eu/>

The image shows several European Union flags (blue with twelve yellow stars) flying on white poles against a clear blue sky. A dark blue horizontal banner is overlaid across the middle of the image, containing the title text in white.

# European Commission and Open Science

# Drivers for Open Science



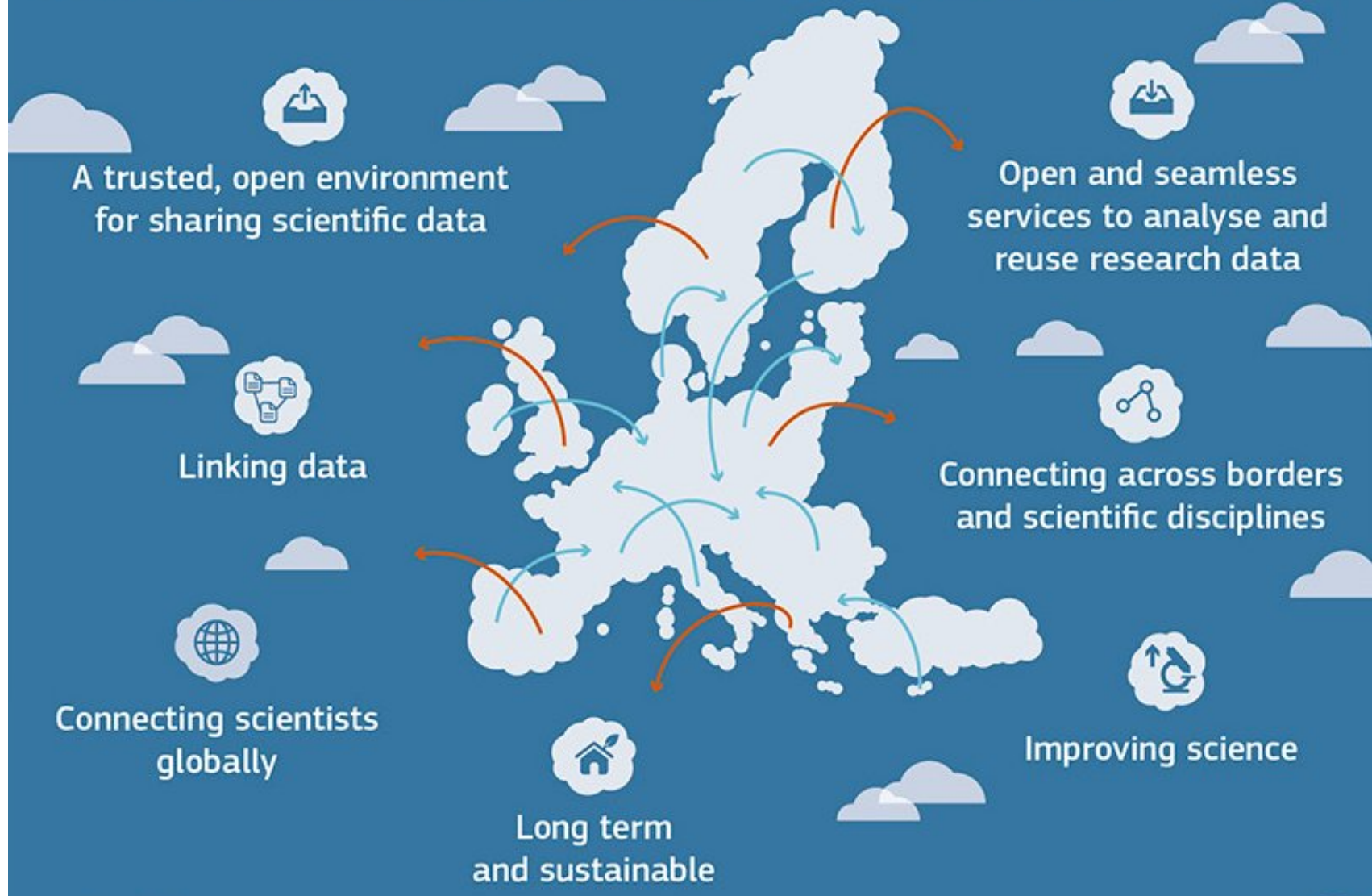
# Europe's Transition to Open Science



- European Commission (EC) Recommendation 2012:
  - “Access to and preservation of scientific information”
  - “Towards better access to scientific information: boosting the benefits of public investments in research”
- [Horizon 2020](#) principles
- EC’s public consultation on Open Science 2014 and report 2015: “Validation of the results of the public consultation on Science 2.0: Science in Transition”
- Commission Communication 2015: “A Digital Single Market Strategy for Europe”
- 2015: “European Research Area Roadmap 2015-2020”
- 2015: “Open, data-intensive and networked research as a driver for faster and wider innovation”
- [European Open Science Cloud](#)
- 2016: [Open Science Policy Platform](#)

# The European Open Science Cloud

BRINGING TOGETHER CURRENT AND FUTURE DATA INFRASTRUCTURES



# European Member States Commitment

- All member states to transition towards Open Science (council conclusion May 2016)
- Open access the default by 2020
- Research data from publicly funded projects for the public good
- Follow FAIR principles
- Data Management Policy obligatory



# Open Science Policy Platform (OSPP)

- The European Commission has established a Commission Expert Group to provide advice about the development and implementation of open science policies in Europe.
- The group consists of 25 high-level representatives of the broad constituency of European open science stakeholders.
- The term of the OSPP is 2016–2018
- More information: [Open Science Policy Platform](#)





# Open Science Policy Platform - mandate

- advise the Commission on how to further develop and practically implement open science policies, in line with the priority of Commissioner Moedas to radically improve the quality and impact of European science
- function as a dynamic, stakeholder-driven mechanism for bringing up and addressing issues of concern for the European science and research community and its representative organisations, following the five broad guidelines for action which are presented in the [Draft European Open Science Agenda](#)
- support policy formulation by helping to identify the issues to be addressed and providing recommendations on the policy actions required
- support policy implementation, contributing to reviewing best practices, drawing policy guidelines and encouraging their active uptake by stakeholders
- provide advice and recommendations on any cross-cutting issues affecting Open Science

# OSPSP stakeholders

- Universities
  - 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

# Working groups supporting the OSPP

- FAIR open data
- The European Open Science Cloud
- Altmetrics
- New business models for scholarly communication
- Rewards
- Research integrity
- Open science skills
- Citizen Science



# Open Science and Research Initiative

© 2015 OKM ATT 2014–2017 initiative [www.openscience.fi](http://www.openscience.fi)

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# Open Science and Research Initiative 2014-2017

Ministry of Education and Culture initiative for the promotion of information availability and open science

Goal to make Finland a leading country in open science and research

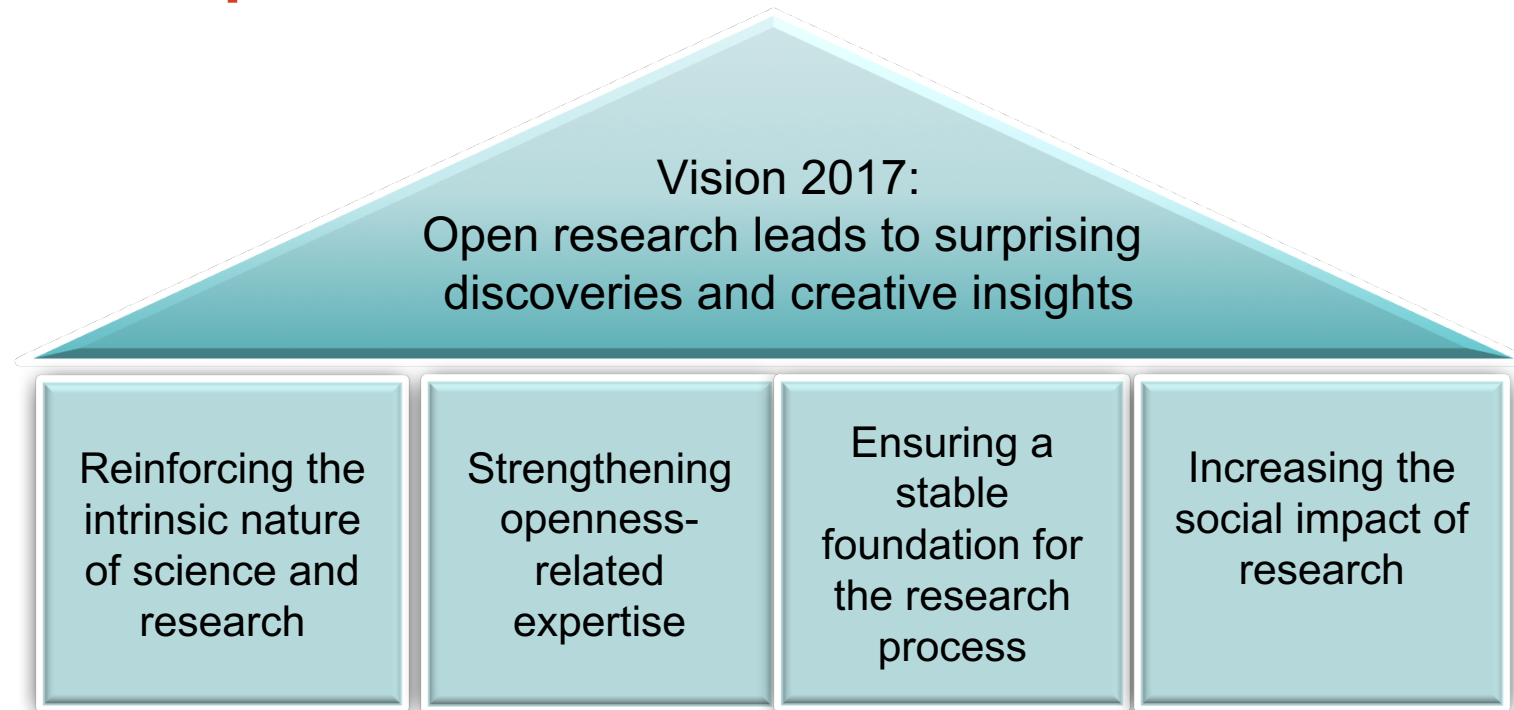
Scope includes publications, research data, and methods

Provides researchers with practical knowledge in how they as individuals can implement open science

[Open Science roadmap](#)

Several services offered by the Ministry to researchers [www.openscience.fi](http://www.openscience.fi)

# Open Science and Research vision

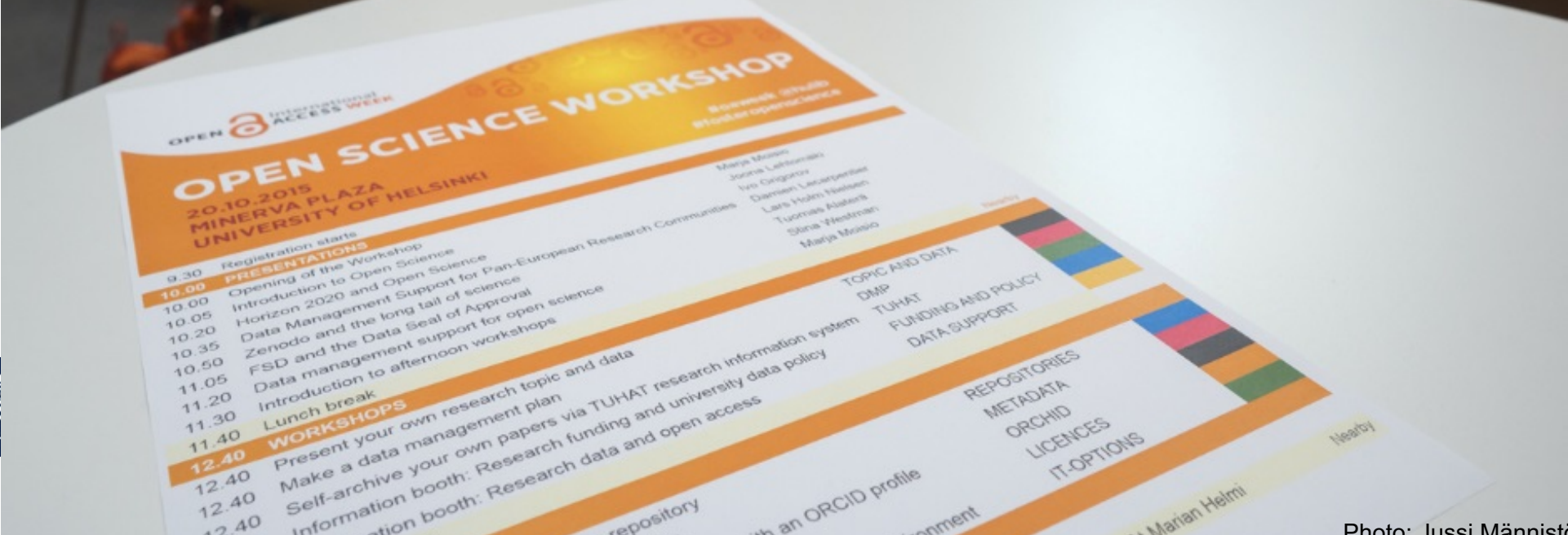


# Libraries active in the Open Science and Research Initiative

- Governance of the initiative
  - Strategy group
  - Expert group
  - Special working groups
- Projects
  - Subproject at NLF; Helsinki University Library, Jyväskylä University Library
  - Subproject in coordination with NLF and the Federation of Finnish Learned Societies
- Coordination of Open Science training for research institutes is done at NLF



# Libraries promoting Open Science





# The Role of Libraries in Fostering Open Science



- Raising awareness and providing training
- Coordination of the implementation of data management policies and procedures in institutions
- Support for data management and discovery
- Development of infrastructures
- Curation and preservation
- Data publishing and archiving
- Access to data resources
- Open access licensing, knowledge of APC payments
  
- Libraries operate on an institutional, national, and

international level  
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# Open Science is Global

- Knowledge as a public good
  - Open data by default
  - Access via publicly owned infrastructure
  - Data literacy
- 
- Libraries need to collaborate on a global level!



# Thank You!

Any questions?

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 [www.libereurope.eu](http://www.libereurope.eu)



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