Upskilling & Training *for* Libraries

The LIBER role and perspective

Vasso Kalaitzi, Head of International Projects
In collaboration with
Friedel Grant, Martina Torma, Cecile Swiatek
EOSC Symposium- November 2019

450 libraries

ONE mission

DEVOTED TO OPEN SCIENCE

Favouring policies, tools and infrastructures which reshape research processes and mindsets in favour of Open.

WORLD-CLASS RESEARCH

Providing knowledge and training so that libraries can support outstanding research and — by extension — the growth and sharing of knowledge.

LIBER

libereurope.eu

CC BY

LIBER OS Roadmap

Open Science Skills Recommendations

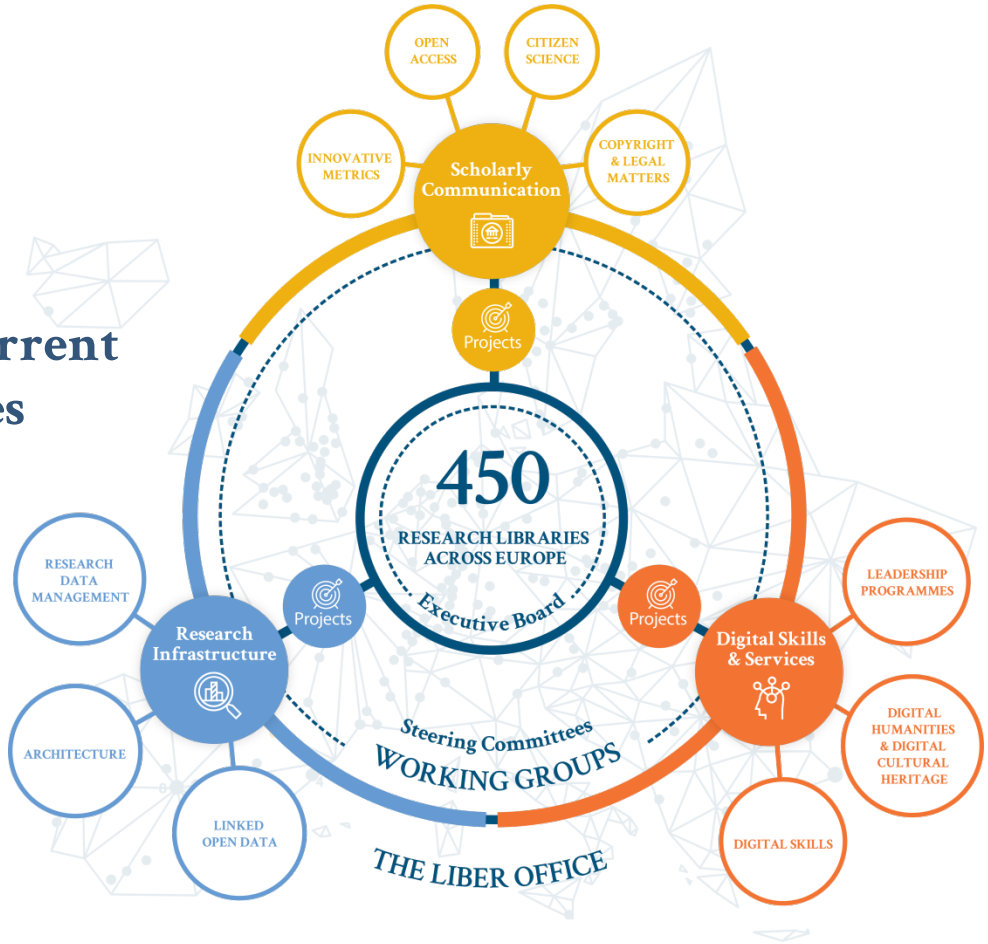
- Coordinate with partners to provide a **multidisciplinary one stop-shop** which supports researchers in Open Science workflows.
- Incorporate Open Science skills in the **academic training programmes** of students.
- Provide **innovative digital training materials** and courses to support (and monitor) skills development.
- **Build on your library's expertise** to organise relevant new skills and competencies across the Open Science spectrum.

CC BY

Network

*Leadership programmes for current and emerging leaders in libraries
*WGs producing knowledge
*Large webinar programme

*WG on Digital Skills for library staff and researchers
*Collaboration in funded projects



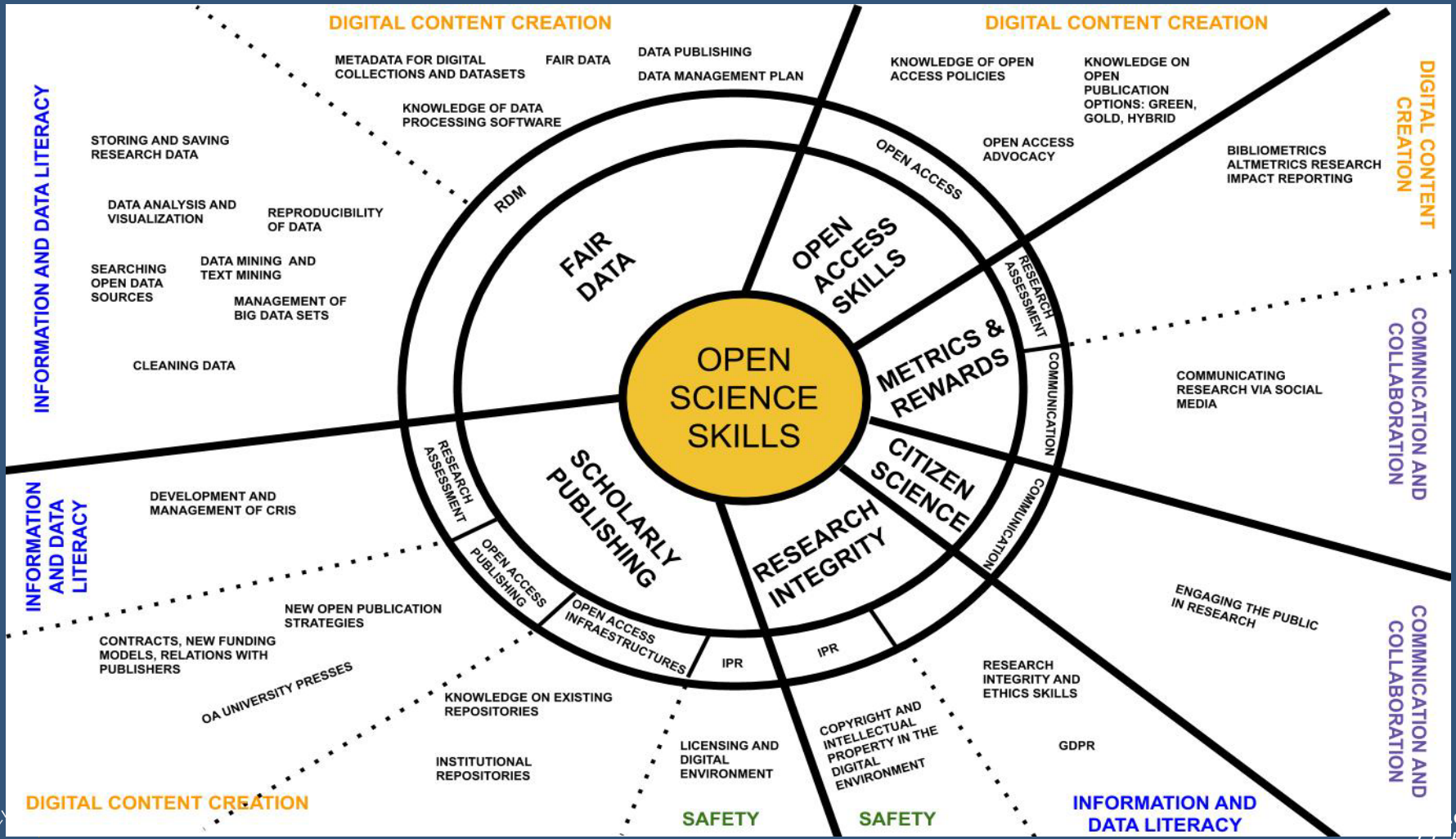
CC BY

> The knock-on effect of the advance of Open Science is a **serious skills gap**. Library staff and researchers need more training.

LIBER's Digital Skills Working Group

https://libereurope.eu/strategy/digital-skills-services/digitalskills

CC BY


OPEN SCIENCE SKILLS
FAIR DATA
OPEN ACCESS SKILLS
METRICS & REWARDS
CITIZEN SCIENCE
RESEARCH INTEGRITY
SCHOLARLY PUBLISHING
RDM
OPEN ACCESS
RESEARCH ASSESSMENT
COMMUNICATION
COMMUNICATION
RESEARCH ASSESSMENT
OPEN ACCESS PUBLISHING
OPEN ACCESS INFRAESTRUCTURES
IPR
IPR
DIGITAL CONTENT CREATION
METADATA FOR DIGITAL COLLECTIONS AND DATASETS
FAIR DATA
DATA PUBLISHING
DATA MANAGEMENT PLAN
KNOWLEDGE OF DATA PROCESSING SOFTWARE
STORING AND SAVING RESEARCH DATA
DATA ANALYSIS AND VISUALIZATION
REPRODUCIBILITY OF DATA
SEARCHING OPEN DATA SOURCES
DATA MINING AND TEXT MINING
MANAGEMENT OF BIG DATA SETS
CLEANING DATA
INFORMATION AND DATA LITERACY
DIGITAL CONTENT CREATION
KNOWLEDGE OF OPEN ACCESS POLICIES
KNOWLEDGE ON OPEN PUBLICATION OPTIONS: GREEN, GOLD, HYBRID
OPEN ACCESS ADVOCACY
BIBLIOMETRICS ALTMETRICS RESEARCH IMPACT REPORTING
DIGITAL CONTENT CREATION
COMMUNICATING RESEARCH VIA SOCIAL MEDIA
COMMUNICATION AND COLLABORATION
INFORMATION AND DATA LITERACY
DEVELOPMENT AND MANAGEMENT OF CRIS
NEW OPEN PUBLICATION STRATEGIES
CONTRACTS, NEW FUNDING MODELS, RELATIONS WITH PUBLISHERS
OA UNIVERSITY PRESSES
KNOWLEDGE ON EXISTING REPOSITORIES
INSTITUTIONAL REPOSITORIES
DIGITAL CONTENT CREATION
LICENSING AND DIGITAL ENVIRONMENT
SAFETY
COPYRIGHT AND INTELLECTUAL PROPERTY IN THE DIGITAL ENVIRONMENT
SAFETY
ENGAGING THE PUBLIC IN RESEARCH
RESEARCH INTEGRITY AND ETHICS SKILLS
GDPR
INFORMATION AND DATA LITERACY
COMMUNICATION AND COLLABORATION

CC BY

> The knock-on effect of the advance of Open Science is a **serious skills gap**. Library staff and researchers need more training.

LIBER's Digital Skills Working Group

https://libereurope.eu/strategy/digital-skills-services/digitalskills

CC BY

Digital Skills Critical Questions

- **What should we expect from new professionals** emerging from library and information science schools?
- **How do we include non-librarian professionals** such as researchers, computer science or data visualization engineers in library services?
- **How can we train research librarians** to establish and share new skills, and to support research activities more efficiently?

CC BY

Taskforce Open Science Skilling Initiatives in Europe

Sketching the landscape of inspiring methods, practices, contacts and words of wisdom, covering institutional cases, national initiatives as well as European project approaches.

2019

Online survey and interviews

First publication and presentation of selected case studies

Denmark, Hungary, Luxembourg, Norway, Poland, Switzerland

2020

Continue with collecting answers and publishing case studies

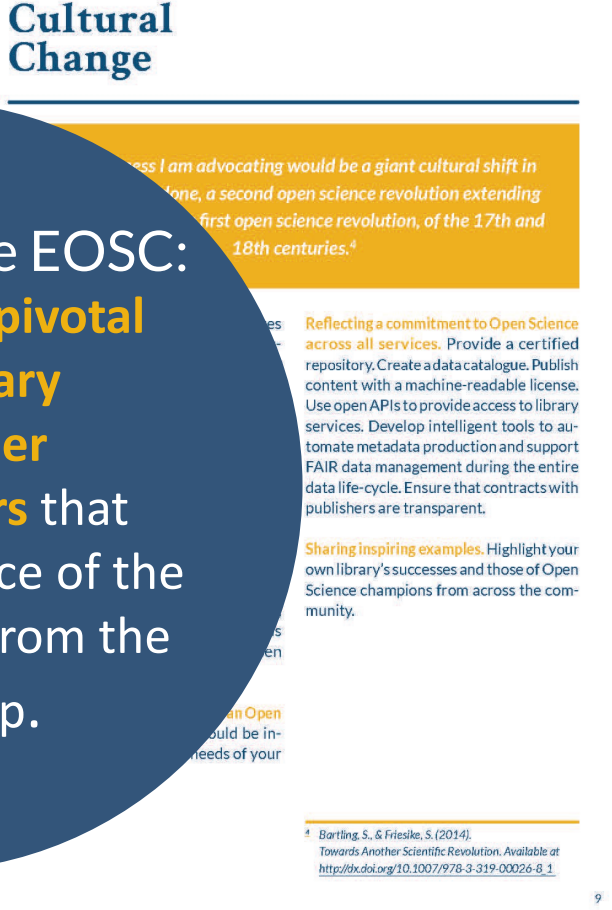
Producing a global factsheet and analysis

CC BY

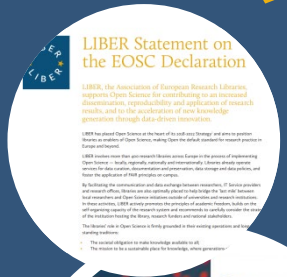
Libraries can raise **awareness**, provide **training**, open **research collections** to innovative research methods and develop **supportive policies** and **infrastructures**.

libereurope.eu
CC BY

Libraries in the EOSC: They serve as **pivotal intermediary stakeholder group/trainers** that brings in the voice of the end-user base from the bottom-up.



CC BY



“Embracing Open Science is critical if we are to make science more **collaborative**, **reproducible**, **transparent** and **impactful**.

LIBER’s Open Science Roadmap (2018)
https://zenodo.org/record/1303002

EOSCpilot
The European Open Science Cloud for Research Pilot Project

FOSTER

SSHOC
social sciences & humanities open cloud

inos

Participating in EU Projects towards making **Open Science** the default

CC BY

Participating in EU Projects towards making **Open Science** the default

- Uncovering library role as **intermediaries** and **trainers**
- Bringing in the EOSC the means **to involve end users** through their function/position
- Participate in the discussion on **competences and training** needed to support Open Science and the EOSC.
- Librarians' high participation in the FOSTER **Trainer** Bootcamps
- SSHOC is organizing several **awareness raising and training activities**, both generic and more focused, targeting and involving libraries. Also: **Trainer Bootcamps and SSH Trainer Network.**
- INOS: Concrete activities in academic libraries for the **co-creation** of knowledge and material on practicing open science and citizen science **to be integrated in HEI curricula**

Thanks!

vasso.kalaitzi@kb.nl

Credits: These slides are CC BY. Photographs by LIBER, LILLIAD Learning Centre Innovation, Cantonal and University Library of Lausanne. Template by SlidesCarnival.