



Ligue des Bibliothèques Européennes de Recherche
Association of European Research Libraries

Liber fostering Open Science and Knowledge Discovery

Kristiina Hormia-Poutanen, NLF, Liber President

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Outline

- Introduction to LIBER
- Open Science
- Liber fostering Open Science
- Liber and Text and Data Mining
- The Hague Declaration for Knowledge Discovery
- Digital Single Market Strategy for Europe

Introduction to LIBER

- Over 400 European research libraries
(national, university, and research institution)
- Across 40 countries

Mission: “to create an information infrastructure to enable research in LIBER institutions to be world class”

LIBER Strategy

“LIBER is Re-inventing the Library for the Future”

- Liber strategy 2013-2017
 - Developing Leadership in Changing Times
 - Supporting the Case for Research Libraries
 - **Enabling Open Science**
 - Fostering New Models for Libraries

Open science

- WHAT?
- Open access to
 - Policies
 - Publications & Data
 - Methods
 - Licences , API's
- Science 2.0 consultation
 - 500+ responses,
pan-European
- WHY?
- Increase of scientific production
- Development of data intensive science
- Global collaboration
- Increase in the number of actors (eg. citizen science)

Liber Fostering Open Science

- Liber strategy 2013-2017
 - Scholarly Communication and Research Infrastructure (OA, RDM, metrics)
 - Reshaping the Library
 - Leadership programmes
 - Advocacy and Communication
- Advocacy & Communication
 - TDM and copyright
 - OA policy
 - Infrastructures supporting Open Science
- Eu-projects
- Partnerships

EU-projects

- EU-projects – OA, RDM, TDM
 - FOSTER
 - Pasteur4OA
 - ReCODE
 - OpenAire 2020
 - EUDAT 2020
 - OpenMinTed-infra
 - AARC
- 23 countries across Europe
- 396 Liber members participating in the projects

Liber Statement

LIBER Statement on Open Science

- Policy and leadership
 - Policies and roadmaps
 - Mandates (publications, data, tools & open licences CC-BY, CC0)
- Advocacy
 - Identification of drivers and barriers
 - Libraries well positioned
 - Open Science initiatives and outputs to be promoted

LIBER statement on Open Science

- Legal
 - Open Science does not recognise borders
 - EC copyright consultation
 - Lack of harmonisation of European Copyright law
 - The current copyright regime is not fit to the Digital age

LIBER statement on Open Science

- Text and Data Mining, TDM
 - Data driven science
 - Open infrastructure
 - Global, European, national, institutional infrastructures needed
 - Standards for interoperability

LIBER statement on Open Science

- Roles, responsibilities, skills
 - New roles and responsibilities
 - Roles need to be identified
 - Collaboration across stakeholders

LIBER and TDM

- TDM brings significant benefits for Open Science
 - Fostering innovation, collaboration and boosting the impact of open science
 - Creating new jobs
 - Improving equal access to information
- TDM also supports the aims of the EC in developing the Digital Single Market
 - Supporting free flow of digital goods (cloud services, big data)
- Liber is & has been advocating for a mandatory exception, which can not be over-ridden by contracts, for TDM
 - For those who have legal access
 - For non-commercial and commercial



Big Data can change the world!

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LIBER and TDM

- A lack of clarity around the legality of TDM especially in Europe – harmful for the science
- Licensing is an insufficient solution
- Intellectual property was not designed to regulate the free flow of facts, data and ideas, but has as key objective the promotion of research activity

- **In the Digital Age the right to read = the right to mine**

- **The Hague Declaration**

- On the 20th of May 2015 **145** organisations have signed and **300** individuals



Benefits of Content Mining

The potential benefits of content mining are vast and include:

- Addressing **grand challenges** such as climate change
- Improving population health, wealth and development
- Creating **new jobs** and employment
- Exponentially **increasing the speed and progress of science** through new insights and greater efficiency of research
- Increasing **transparency** of governments and their actions
- Fostering innovation and collaboration and boosting the impact of open science
- **Creating tools** for education and research
- Providing new and richer cultural insights
- Speeding economic and social development in all parts of the globe

Principles

1. INTELLECTUAL PROPERTY WAS NOT DESIGNED TO REGULATE THE FREE FLOW OF FACTS, DATA AND IDEAS, BUT HAS AS A KEY OBJECTIVE THE PROMOTION OF RESEARCH ACTIVITY
2. PEOPLE SHOULD HAVE THE FREEDOM TO ANALYSE AND PURSUE INTELLECTUAL CURIOSITY WITHOUT FEAR OF MONITORING OR REPERCUSSIONS
3. LICENSES AND CONTRACT TERMS SHOULD NOT RESTRICT INDIVIDUALS FROM USING FACTS, DATA AND IDEAS
4. ETHICS AROUND THE USE OF CONTENT MINING TECHNIQUES WILL NEED TO CONTINUE TO EVOLVE IN RESPONSE TO CHANGING TECHNOLOGY
5. INNOVATION AND COMMERCIAL RESEARCH BASED ON THE USE OF FACTS, DATA, AND IDEAS SHOULD NOT BE RESTRICTED BY INTELLECTUAL PROPERTY LAW



Roadmap for Action

- ACCEPTING THE VISION AND PRINCIPLES
- POLICY AND INCENTIVES
- INFRASTRUCTURE AND TOOLS
- ADVOCACY
- DEVELOPMENT AND MONITORING OF THE HAGUE DECLARATION AND ROADMAP

Digital Single Market Strategy for Europe and TDM

- [Digital Single Market Strategy](#) for Europe was published 6.5.2015
- The Strategy gives positive signals regarding the copyright reform
- [Liber Statement on DSM](#)
- Liber continues to advocate and lobby for the copyright reform

Thank You!

email: kristiina.hormia@helsinki.fi

skype: kristiina.hormia

twitter: @HormiaKristiina



@libereurope



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Thank You!

Any questions?



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