

CLIMBING A MOUNTAIN

Empowering Researchers to Use Text and Data Mining

Legend:

- Legislators
- Publishers and providers
- Research funders
- Libraries
- Institutions and research leaders

SUMMIT



Researchers Embrace TDM

What needs to happen?

1. Endorsement by senior research leaders
2. Funding and incentives linked to TDM
3. Alignment with moves to open science

"There are so many obstructions in the way of doing this research, and doing it well. It is just too hard and so people do other things."

Ross Mounce, University of Cambridge, UK

Skills and Support

How can libraries help?

1. Advocacy
2. Copyright advice
3. Access to legal expertise
4. Skills development and training
5. Advice on data sources and tools

The library needs to be able to say: 'If you've got a question about TDM, come to us.'

Danny Kingsley, Head of Scholarly Communications, University of Cambridge, UK

CAMP 4



CAMP 3



Technical Infrastructure

What needs to happen?

1. Invest in TDM infrastructure
2. Make TDM accessible to non-specialists
3. Streamline access
4. Open standards and harmonised data formats

"...Every time you have a new project or data source... you hit issues about how the documents are structured, oddities of formatting, and so on."

Mark Greenwood, GATE, UK

Access to Content

What needs to happen?

1. Incorporate TDM clauses into model licence agreements
2. Educate researchers on their rights
3. Maintain dialogue with publishers
4. Improve access through better infrastructure

"I had to ask too many publishers for the right to download ... it takes a lot of time and ... the publishers' servers frequently block us."

Mathieu Andro, INRA, France

CAMP 2



CAMP 1



Legal Clarity

What needs to happen?

1. Communicate legal provisions for TDM with clarity
2. Clarify the exception's application to public/private collaborations
3. Monitor the interaction of the exception with DRM and other

"...the definition of commercial and non-commercial research is creating uncertainty."

Petr Knoth, Open University, UK

Copyright Exception

Loi pour une République Numérique (Loi LEMAIRE)

1.5?



3



4

Mandatory exceptions to copyright

1 Industry self-regulation	Non-commercial research only	Commercial research, beneficiaries restricted	Commercial research purpose, beneficiaries unrestricted
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EU Directive

Simpler rules are needed at EU level:

"...countries, in which academic researchers must acquire the express consent of rights holders to conduct lawful datamining, exhibit a significantly lower share of data mining research output relative to total research output"

Handke & Vallbe (2015)
Is Europe falling behind in data mining?