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Learning about text and data mining: The future of Open Science

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LEARNING ABOUT TEXT AND DATA MINING

The future of open science

MAKING SENSE OF LARGE VOLUMES OF SCIENTIFIC CONTENT

THE OPENMINTED PROJECT WORKS ON:

WHY TEXT AND DATA MINING?

We are sitting on a **gold mine** of scientific knowledge. At the moment, there are more than 50 million scholarly articles and every 13 seconds a new article is published. If we want to unlock the potential of this knowledge, we need **text and data mining (TDM)**. It can access and analyse millions of texts quickly and reveal patterns and trends that can lead to **new discoveries**.

GENERAL CHALLENGES

- **Technical** skills of end-users
- **Legal** barriers
- **Interoperability** barriers: even open data hard to retrieve

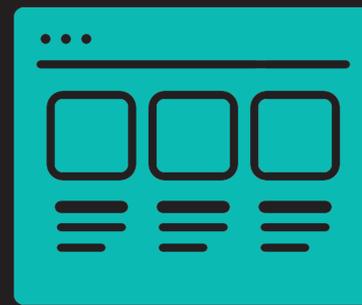


TDM TOOLS AND SERVICES

Extensive collection, co-developed by different user communities:

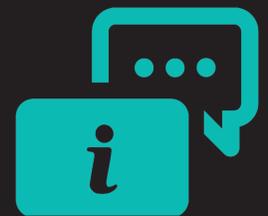
- scholarly communication
- life sciences
- agriculture and biodiversity
- social sciences

We also encourage development of new tools and services.



ONLINE PLATFORM

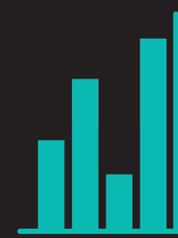
THE go-to platform for text and data mining



TRAINING, SUPPORT AND GUIDELINES

For researchers, content providers, service providers and everyone interested. Includes:

- workshops
- webinars
- online courses and resources (via fosteropenscience.eu)



TEXT AND DATA

All mineable and open access :

- CORE
- OpenAIRE
- everyone can contribute

POLICY LEVEL

OpenMinTeD collaborates with FutureTDM, a project that addresses TDM barriers at the policy level.

TACKLING BARRIERS TO INTEROPERABILITY

The OpenMinTeD platform will be **interoperable**, meaning that researchers will be able to apply different tools and services to different datasets and can even combine datasets from different sources. OpenMinTeD sets out to create a **framework** that ensures that all tools, services, resources and legal aspects work together. Our main goal: a sustainable **infrastructure** for text and data mining.

