

AI-powered software for literature searching: Potential for libraries

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**DET KGL.
BIBLIOTEK**
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Who we are

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Perspectives

Reflection 1	About the quality of the search
Reflection 2	About algorithmic literacy and research integrity
Reflection 3	About innovation, serendipity and preconceptions
Reflection 4	About the role of the library, services and new collaborations
Reflection 5	About reshaping the role of the information specialist



About the quality of the search

Reflections

AI-tools returned papers of lower scientific quality

Publications found in AI-tools experimented with other forms of peer review

If uncritical about lower scientific quality in AI-tools, it will affect integrity

Consequences for the library

Quality assessment and Library support in source criticism and scientific integrity (good conduct of research) are important



About algorithmic literacy and research integrity

Reflections

Algorithms behind the AI-tools are difficult to understand (this leads to distrust)

Our algorithmic literacy increased during the project and made us think beyond systematic searches

There can be other goals apart from methodological transparency, accountability and reproducibility – it can be enriched by discoverability and serendipity

Consequences for the library

Approaches to responsible searching in AI-tools are essential to discuss and complicated to solve



About innovation, serendipity and preconceptions

Reflections

Increase in serendipity and innovation

Enhance idea generation / cross/inter-disciplinarity

Exploration of a topic

Consequences for the library

The Library as a partner early in the project phase

About the role of the library, services and new collaborations

Reflections

Information specialists not involved in development of AI tools

Collaboration with developers

Consequences for the library

The library as co-developer
The library as facilitator
The library as critical appraisers of technology



About reshaping the role of the information specialist

Reflections

New forms of collaboration with researchers

"Paradigm shift" in literature search

How to document?

Consequences for the library

The library as developers of new search methods
The library as developers of new ways to document

Resources

The project's Zenodo site:

Artificial Intelligence and Literature Seeking

https://zenodo.org/communities/ai_search_royaldanishlibrary/?page=1&size=20

Where to see videos about the AI search tools we tested:

Iris.ai (well, how it looked when we tested it): https://www.youtube.com/watch?v=yC_f3UAoW5A

Yewno.discover: <https://www.youtube.com/watch?v=AEK3LMK90MA>



Thank you!

See you in the "break-out room"

