

# Determinants of using AI-powered discovery services



UNIVERSITY OF OSLO

Andrea Gasparini & University of Oslo Library, Norway

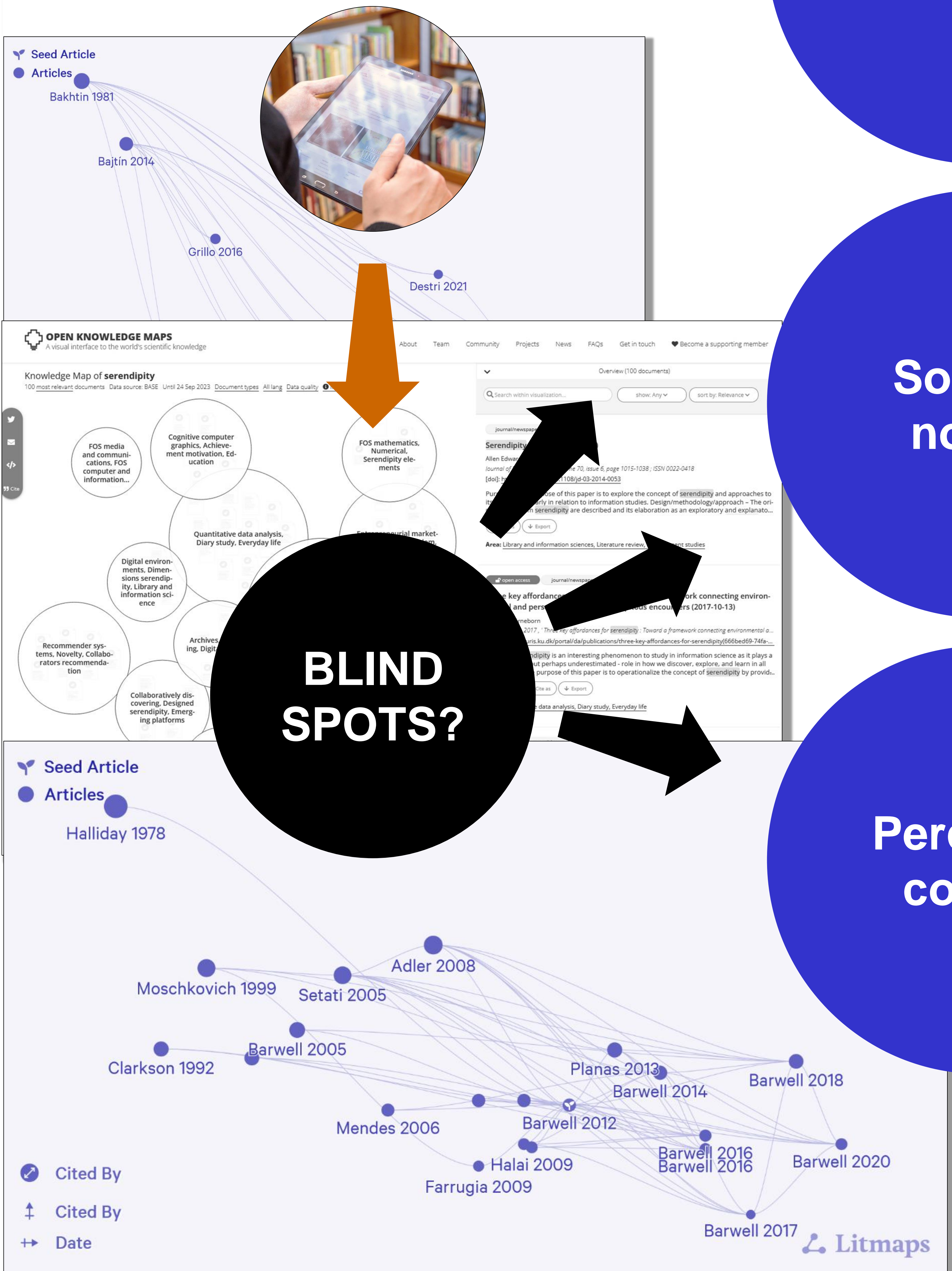
Heli Kautonen, Åbo Akademi University, Finnish Literature Society Library, Finland



## Case: Academic librarian using new AI-powered tools for discovery

Method: Expert evaluation with two AI-powered tools

- Litmaps [www.litmaps.com](http://www.litmaps.com)
- OpenKnowledgeMaps [openknowledgemaps.org](http://openknowledgemaps.org)



Attitudes

Societal norms

Perceived control

## Attitudes about ethical behaviour with AI-powered tools

### Findings:

#### Uncertainty about reliability & Curiosity to experiment

When starting to use new tools like this, we seldom refer to manuals. Our test-and-fail approach raises questions about the reliability of search results. At the same time, we feel curiosity to experiment with the power of the tool.

“I was eager to find all possible approaches to understand if I could use the tool. I was focused and in a search mode. After all, the main goal is to write a very good article.”

## Norms regarding ethical behaviour with AI-powered tools

### Findings:

#### Research integrity vs. Efficient publishing process

The societal norms we perceive appropriate when using AI-powered tools seem to oppose each other. There is an obvious tension that may lead to undesired outcomes, such as flimsy literature lists or the imposter syndrome.

“Why did Litmaps argue that the paper by Souza is not relevant?”

## Control beliefs regarding ethical behaviour with AI-powered tools

### Findings:

#### Limited control vs. Desire for control

We understand that we cannot fully control the tool (i.e., there's the “black box” phenomenon). Still, we would appreciate it if we could understand what is happening during the creation of the maps.

“Do I understand the tool well enough so that I can explain its use and be sure that researchers use it correctly?”