Watson to Sherlock
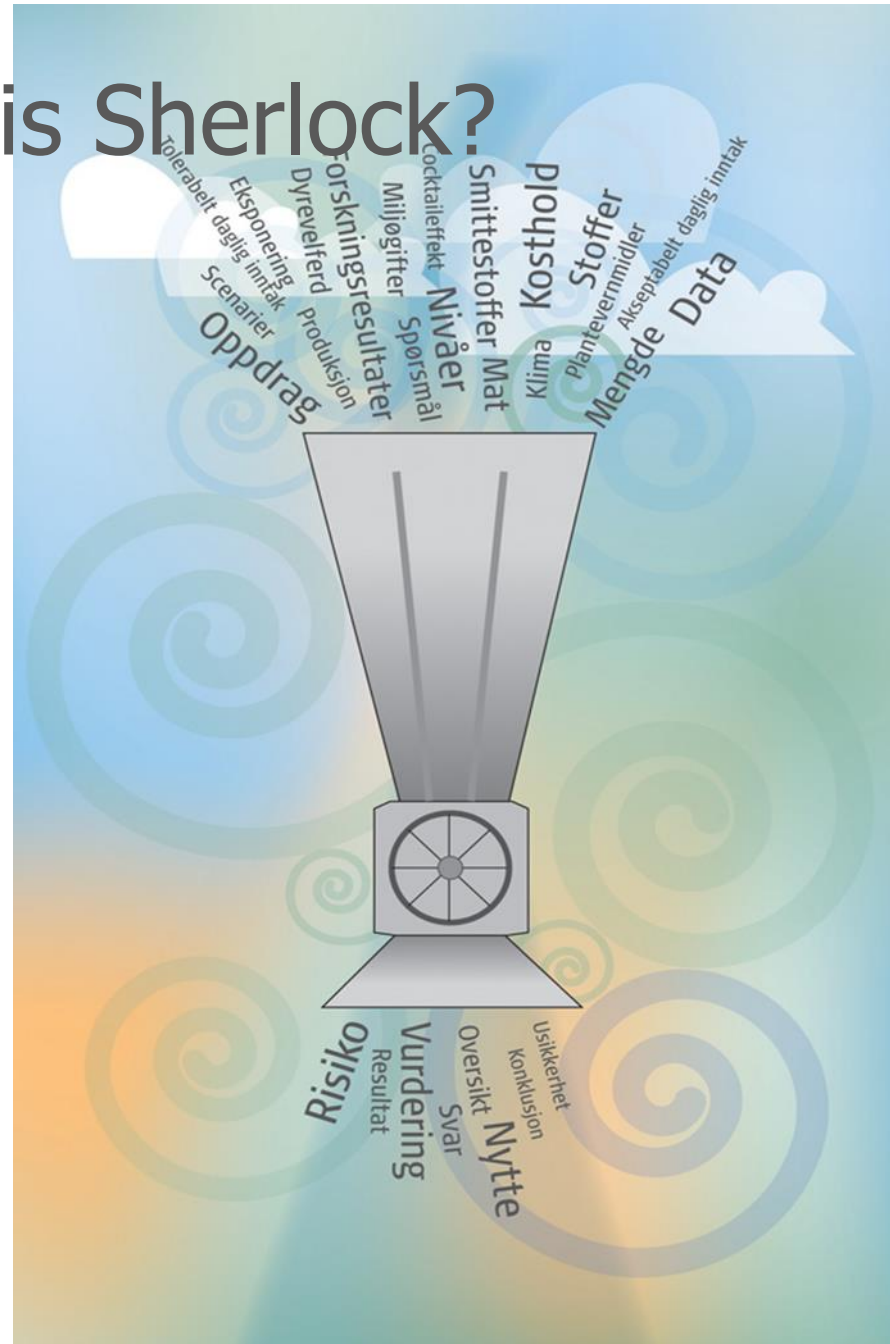
Danica Grahek-Ogden

71st AF meeting

Bucharest 3. march 2019

October 2017… who is Sherlock?

- Well… we are!
  - looking for answers to complex questions
  - going through huge amounts of information to find a golden nugget of knowledge
- but what if we can digitalise and make that process quicker?
- and what if Sherlock does that job for us?

March 2019 – where are we now?

The aim of the project

In order to further improve the automation process, this project aims to explore possibilities for integrated approach to literature search and relevance screening

March 2019 – where are we now?

- **Work package 1 – Shiny R tool**
  - Statistically based tool
- **Work package 2 – citation networks**
  - a collection of nodes (individual articles) and how they link to other articles through either referring to them or being referred to by them
- **Work package 3** - ontology based information extraction system
  - a collection of tools that eventually rank screened documents according to their relevance and enable their meta-analysis

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Financing

- **Horizon 2020**

- 5.i. Information and Communication Technologies; Other actions; 3. ICT conferences, studies and other activities

- Policy support activities, including benchmarking activities, evaluation and impact assessments, the development of ad hoc support software, possibly using existing Framework Contracts. DG CONNECT plans to procure via framework contracts and calls for tender indicatively 10 contracts before the end of 2019. The calls for tenders are expected to be launched in the 2nd and 3rd calendar quarter of 2018 and 2019

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Way forward

- Further investigate solutions for ontology based system
- Develop the full proposal depending on call

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- Questions?

- Suggestions?

- Improvements?

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