

Capturing Stability of Information Needs in Digital Libraries

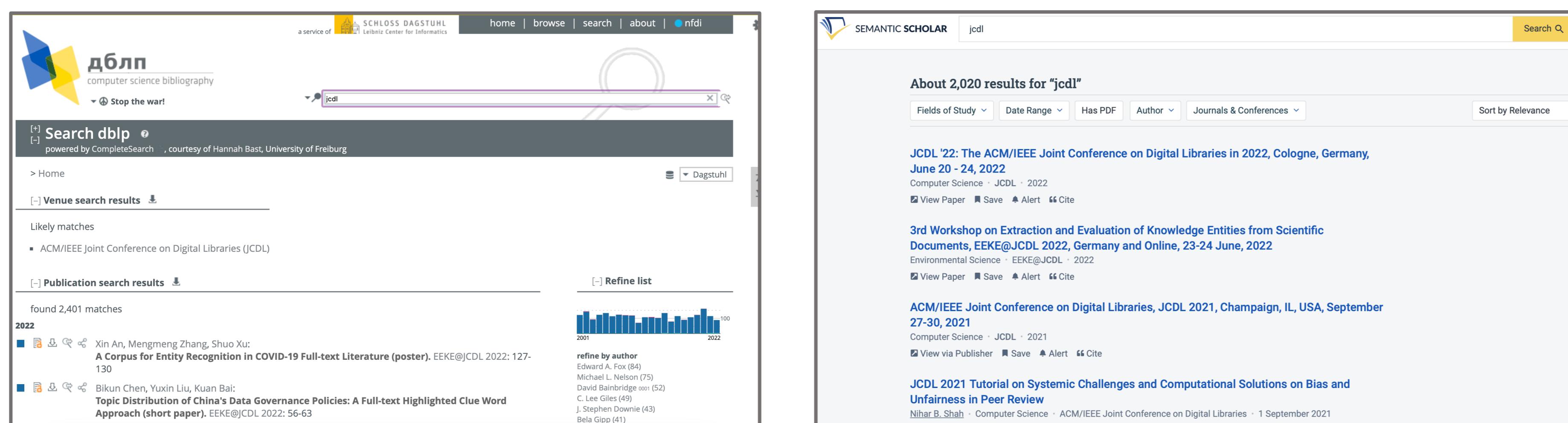


Christin Katharina Kreutz¹, Philipp Schaer¹, Ralf Schenkel²

¹ TH Köln – University of Applied Sciences, Cologne, Germany; ² Trier University, Trier, Germany

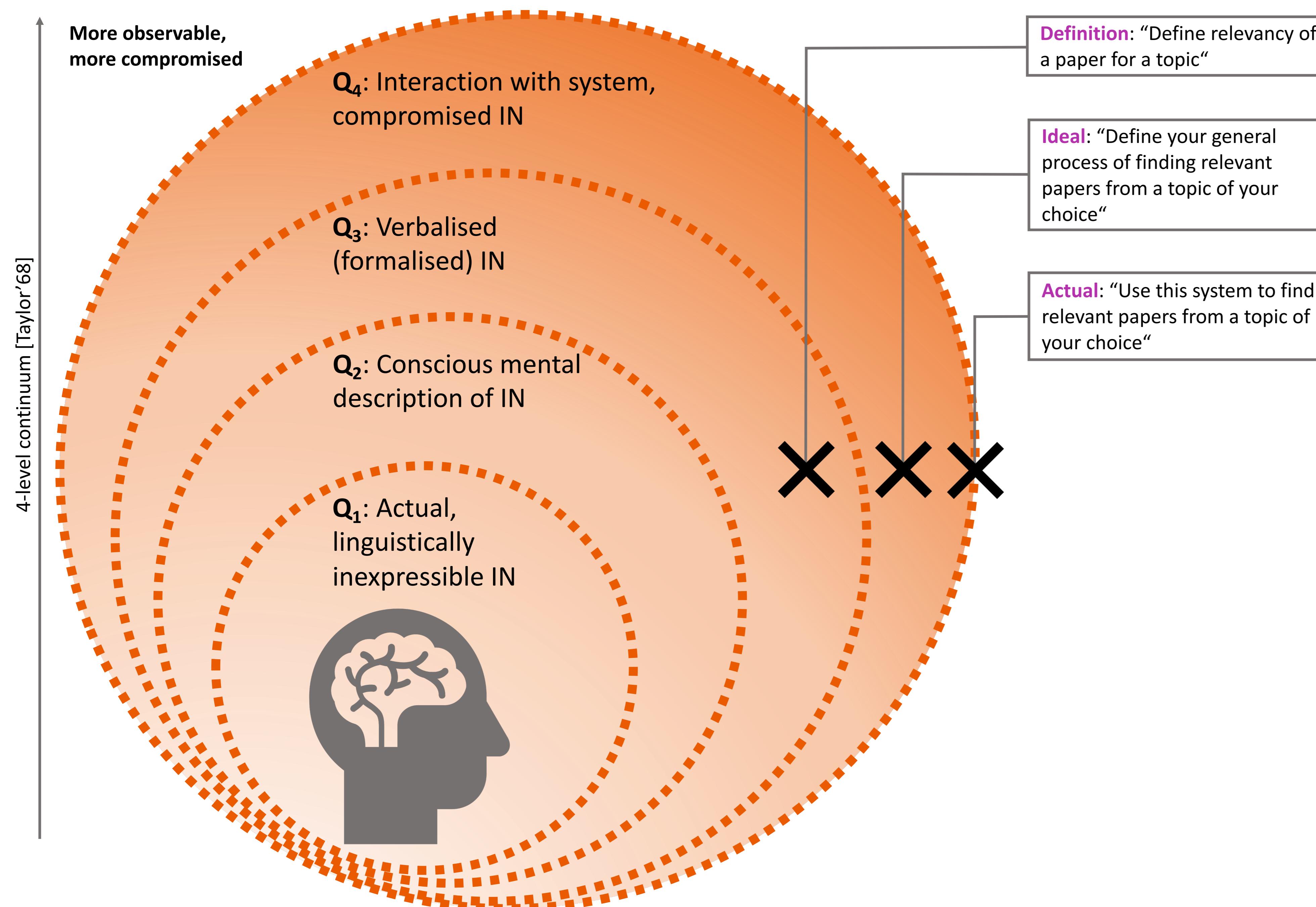
Questions

- In general, what makes a paper relevant for you?
- In an ideal world, what would you want to base your relevancy decision regarding a paper on?
- When using dblp/Semantic Scholar/..., what do you actually look at?



... Was your answer always the same?

- If you were asked some months later, would your answer change?



Goals

Overall: Build digital library interfaces better catering at factors people want to use for relevancy decisions

Intermediate: Capture peoples' perceptions of factors relevant for satisfying information needs (INs)

... Why not just ask people?

Problem: Only asking them what they (want to) use might not be a reliable depiction of their inner perception of an IN; the more observable behaviour is, the more compromised it can be

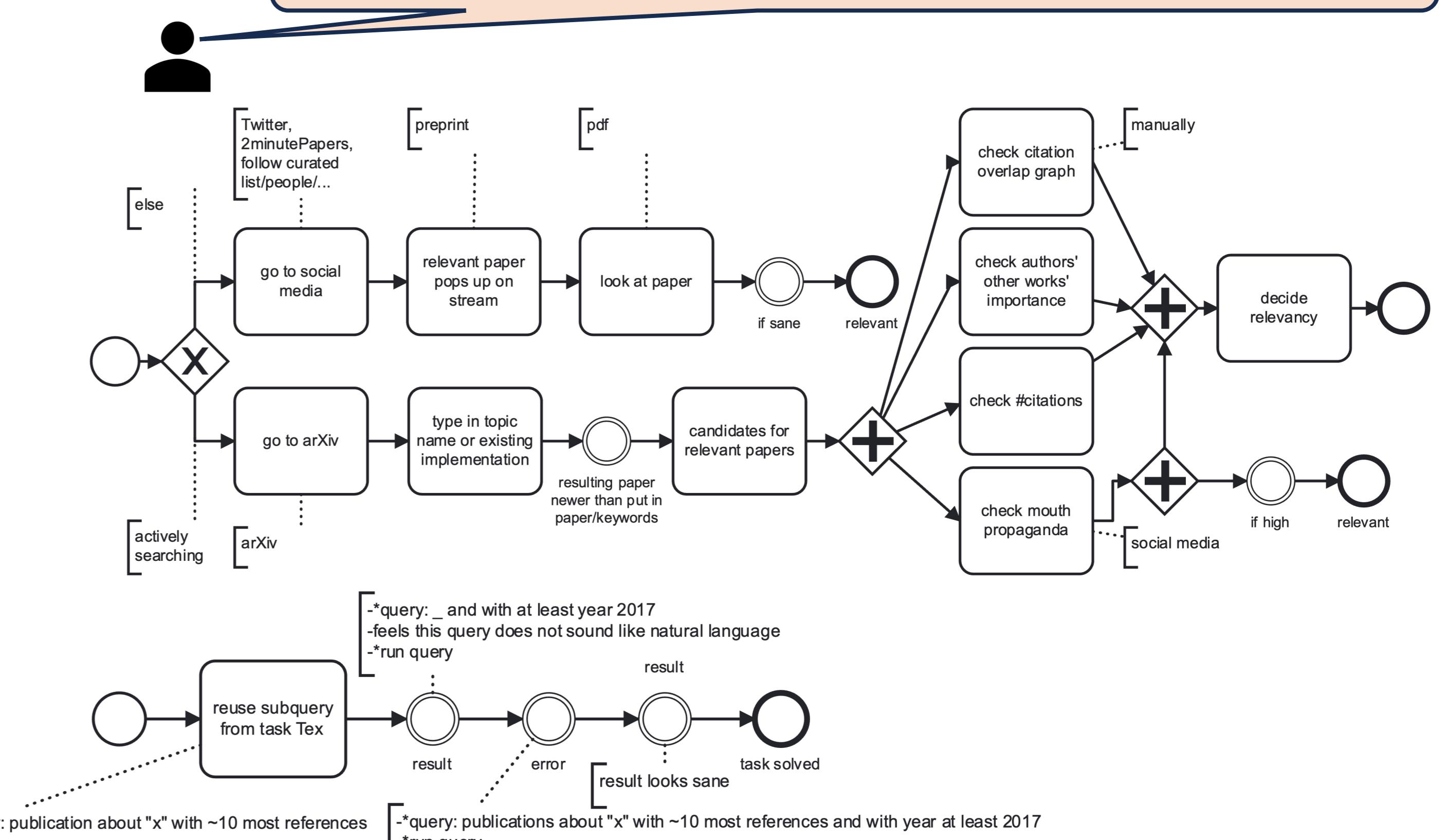
Concept

- Consider different manifestations of INs:

➤ General definition

....So, relevancy here is, does it improve the outcome? [...] look at the outcome of the algorithm and decide if this is relevant or relevant improvement or not."

➤ Ideal satisfaction



➤ Actual satisfaction

- Identify factors/categories considered in manifestations
- Compare factors/categories between manifestations
- Find out how/if relevancy indicators change between manifestations