

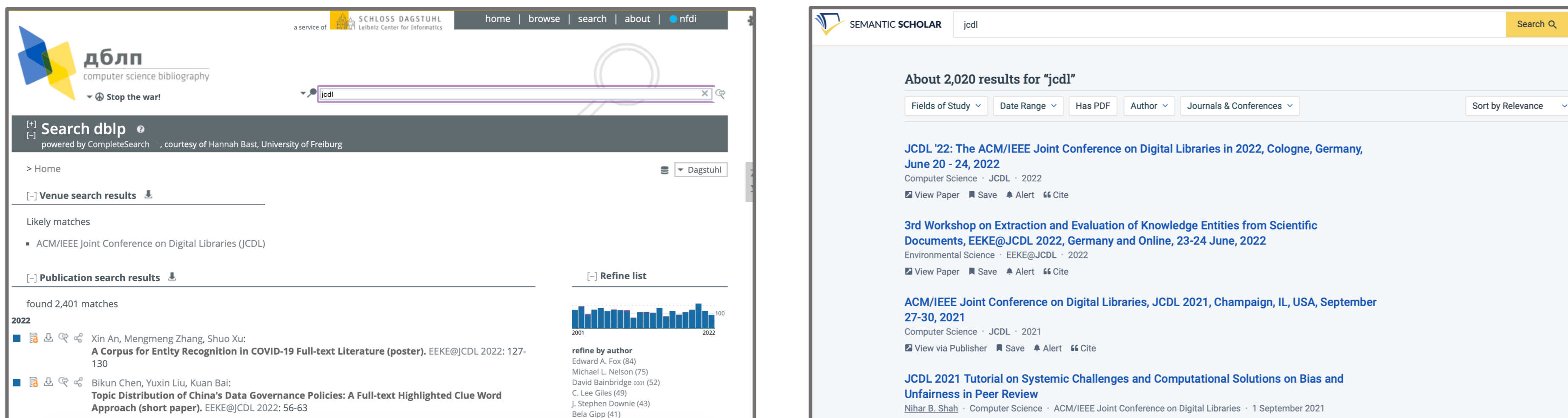
Capturing Stability of Information Needs in Digital Libraries

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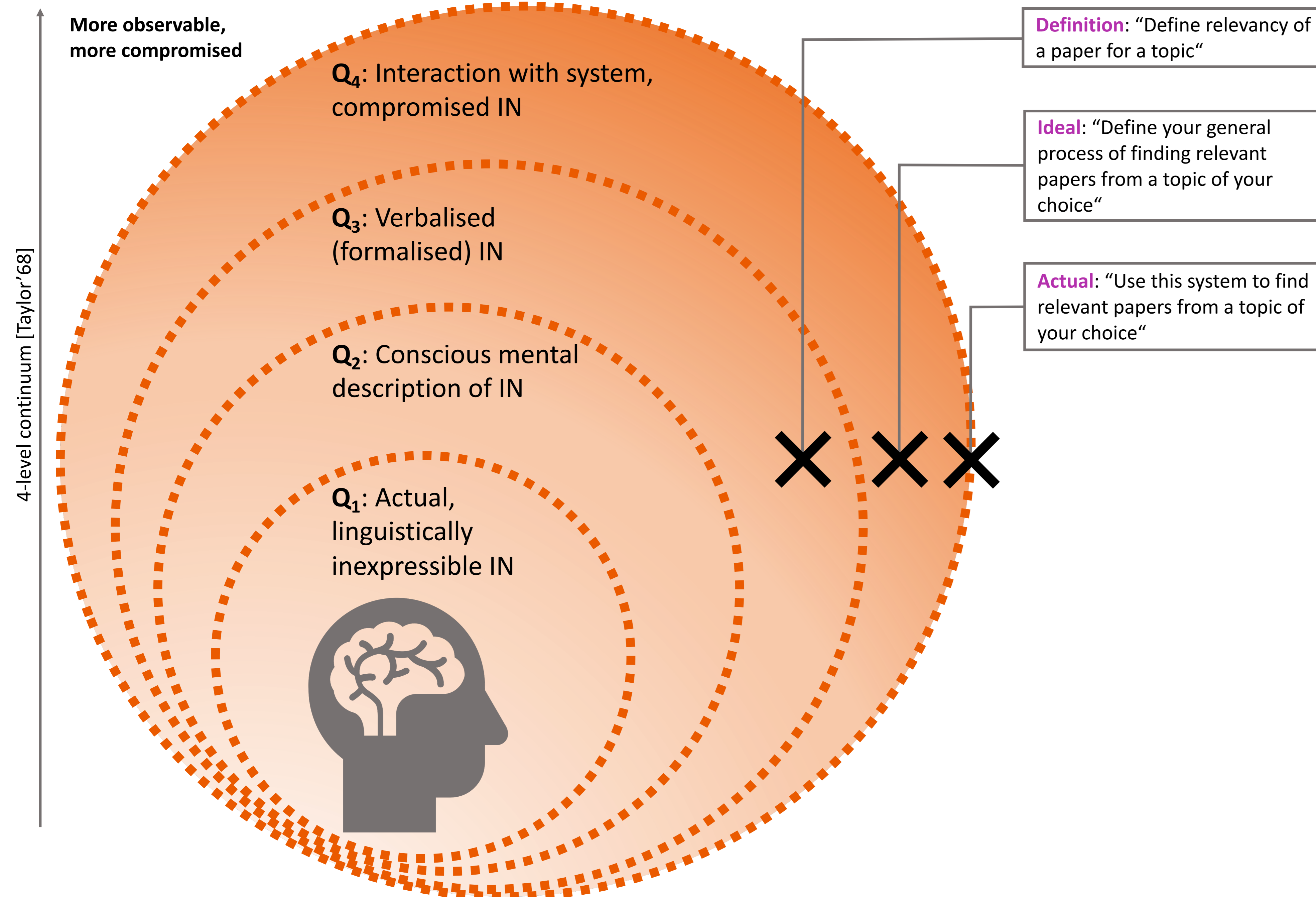
Questions

- 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

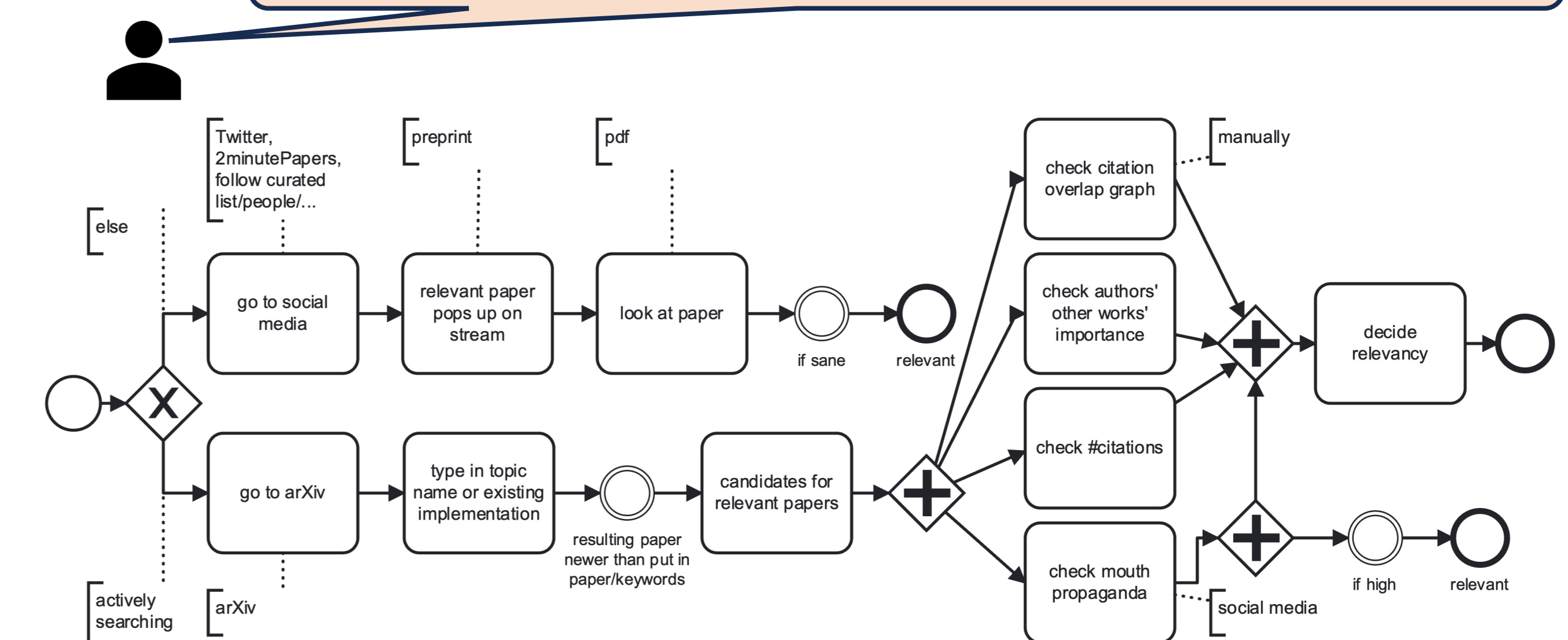
Concept

- Consider different manifestations of INs:

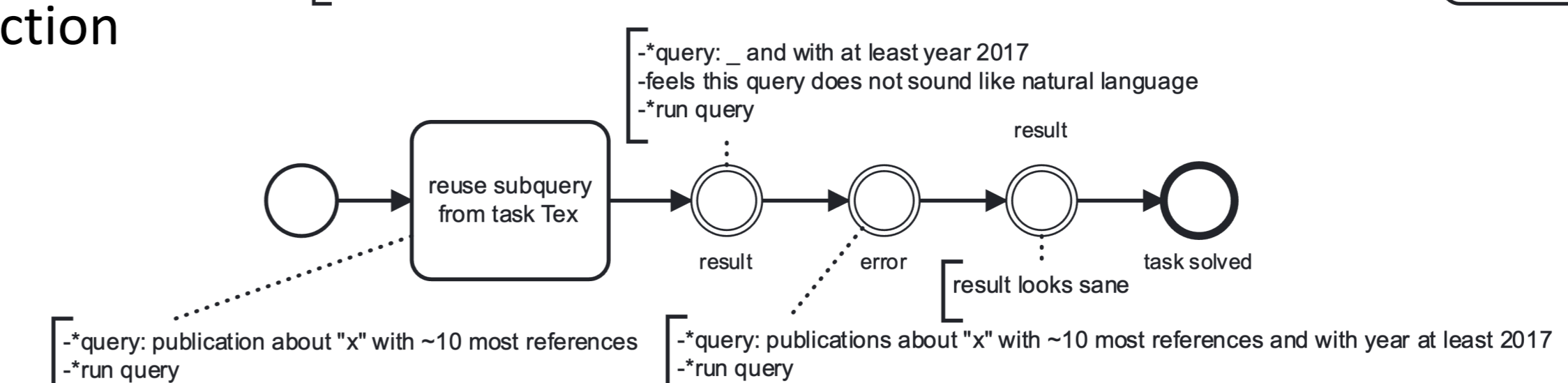
➤ General **definition**

„...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



➤ Time-delayed **re-definition**

„...it sure boils down to how many citations it get and how many follow up papers on the topic are being released...“

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