Screening Prioritisation

Query

Retrieved Citations

SCREENING PRIORITISATION

Potentially Relevant Citations

Included Studies

Non-relevant Citations

Excluded Studies

Systematic Review
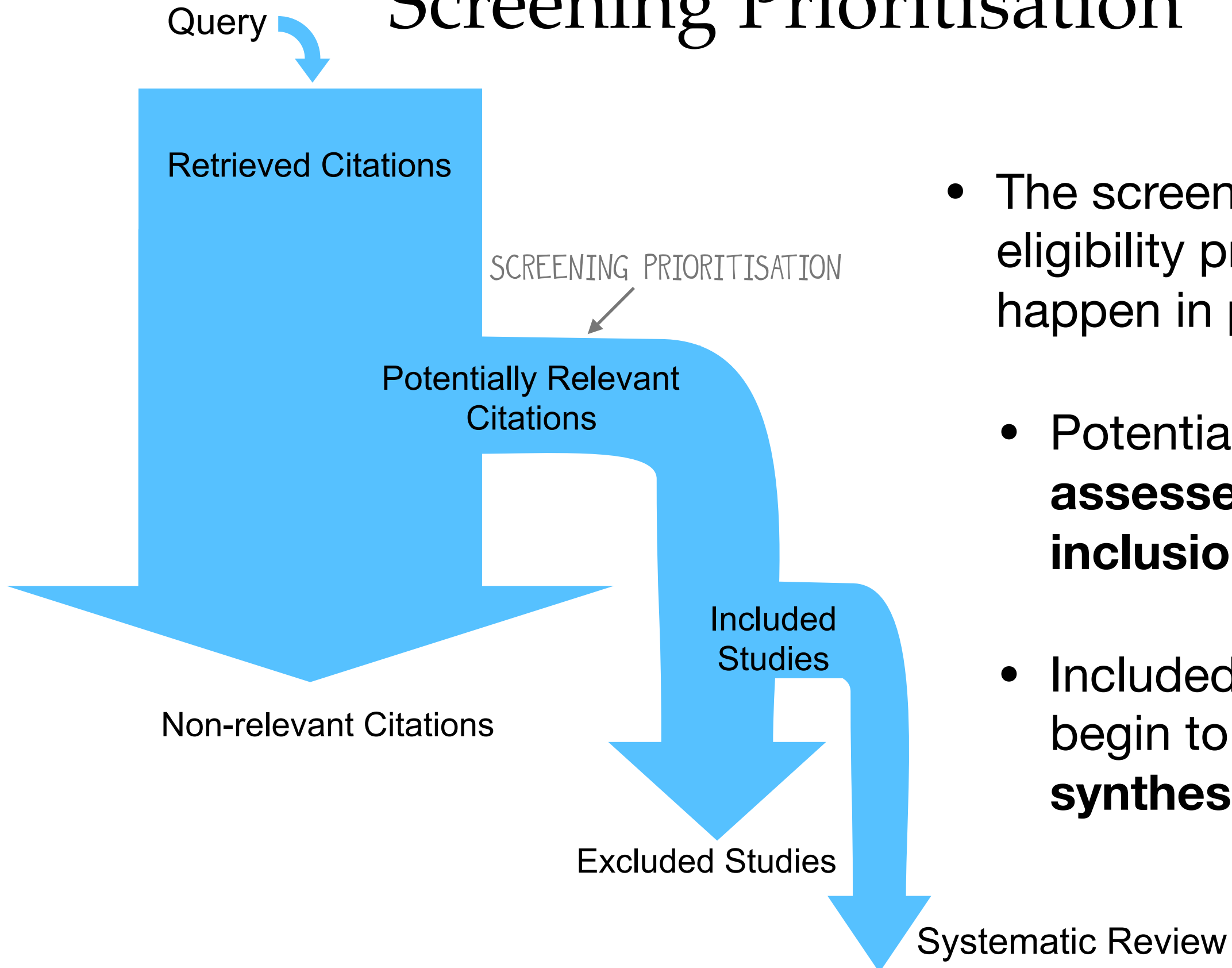
- The screening and eligibility processes happen in **parallel**:

  - Potentially relevant **assessed for inclusion**

  - Included studies begin to be **synthesised**

Learning to Rank Citations

- <u>What's been done?</u>

  - Unlike active learning, which requires **explicit relevance feedback** in order to **re-rank** a result set, learning to rank seeks to **learn a model** capable of ranking documents [84]

    - It does **not rely** on explicit relevance feedback

  - Existing learning to rank algorithms have been shown to **outperform** previous probabilistic ranking functions [15]

- <u>What's the gap?</u>

GAP **Unclear how to learn a model for this domain.**

[84] Andrew Trotman. Learning to rank. Information Retrieval, 8(3):359–381, 2005.
[15] Olivier Chapelle and Yi Chang. Yahoo! learning to rank challenge overview. In Proceedings of the Learning to Rank Challenge, pages 1–24, 2011.