Formulating a Query

- After a research question has been defined, a **query is formulated** in order to search literature to answer this question

- In systematic reviews, an (often) complex **Boolean query** is used in order to find citations

- Queries are formatted in an iterative process with the help of an **information specialist** and are submitted to a panel for quality assurance

Formulating a Query

- ## What's been done?

  - Query formulation, information need studied extensively in **library sciences** [47, 77]

- ## What's the gap?

  GAP → No **strict** framework for **predicting effectiveness** of Boolean queries prior to the screening phase

[47] Gary Marchionini. Information Seeking in Electronic Environment, volume 9. Cam- bridge University Press, 01 1996. ISBN 0-521-44372-5.
[77] Eero Sormunen. A novel method for the evaluation of boolean query effectiveness across a wide operational range. In Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval, pages 25– 32. ACM, 2000.