

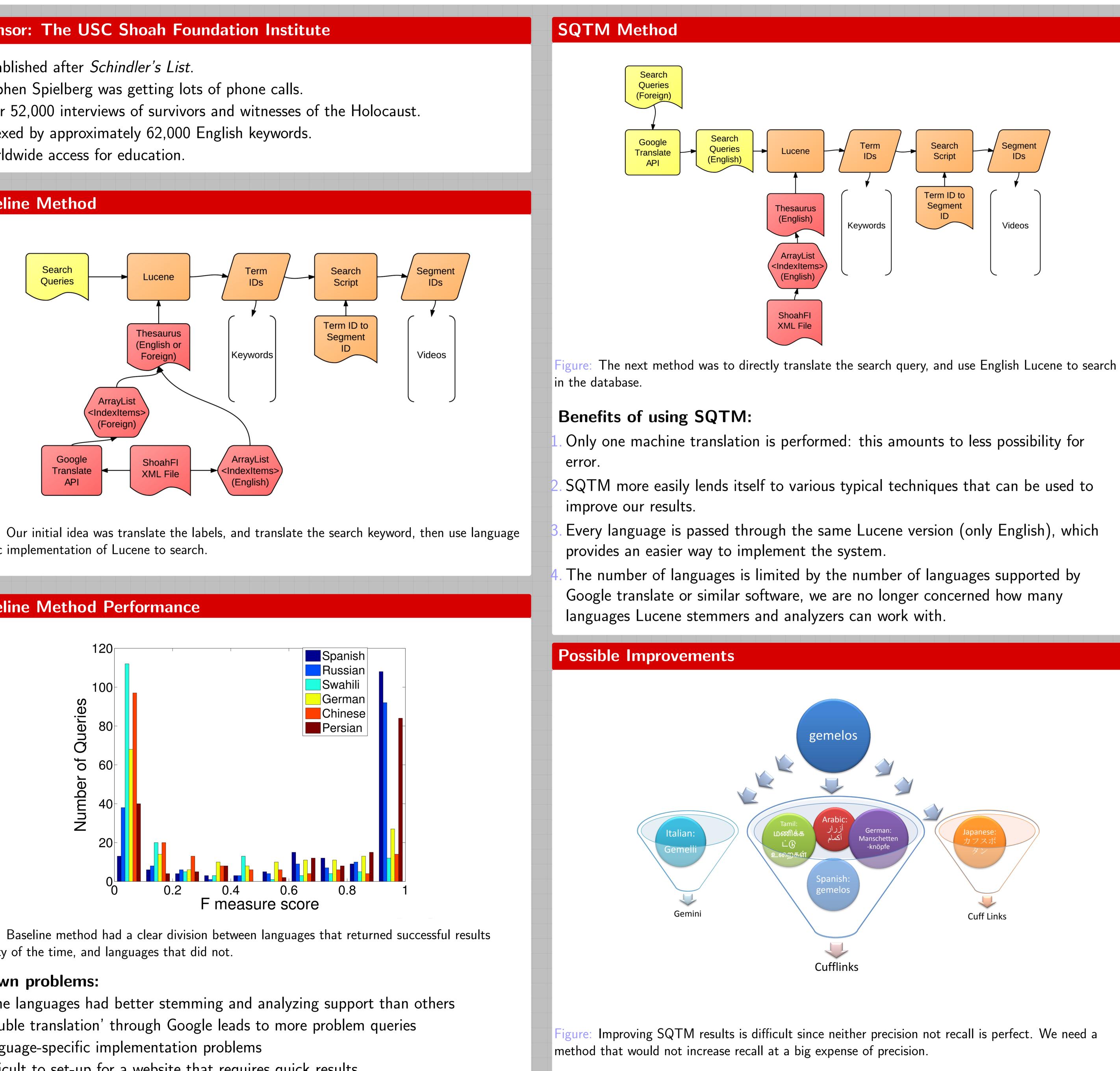
Abstract

Advancements in Information Retrieval (IR), a field that has become drastically more important in the Information Age, focus primarily on increasing the speed and accuracy of search upon large collections of data. We present several methods for cross-lingual search in the Shoah Foundation Institute Visual History Archive. The nature of a given method. Therefore, the majority of the developed techniques focus on obtaining relevant terms from a variety of sources on the web, and expanding our database of results.

Sponsor: The USC Shoah Foundation Institute

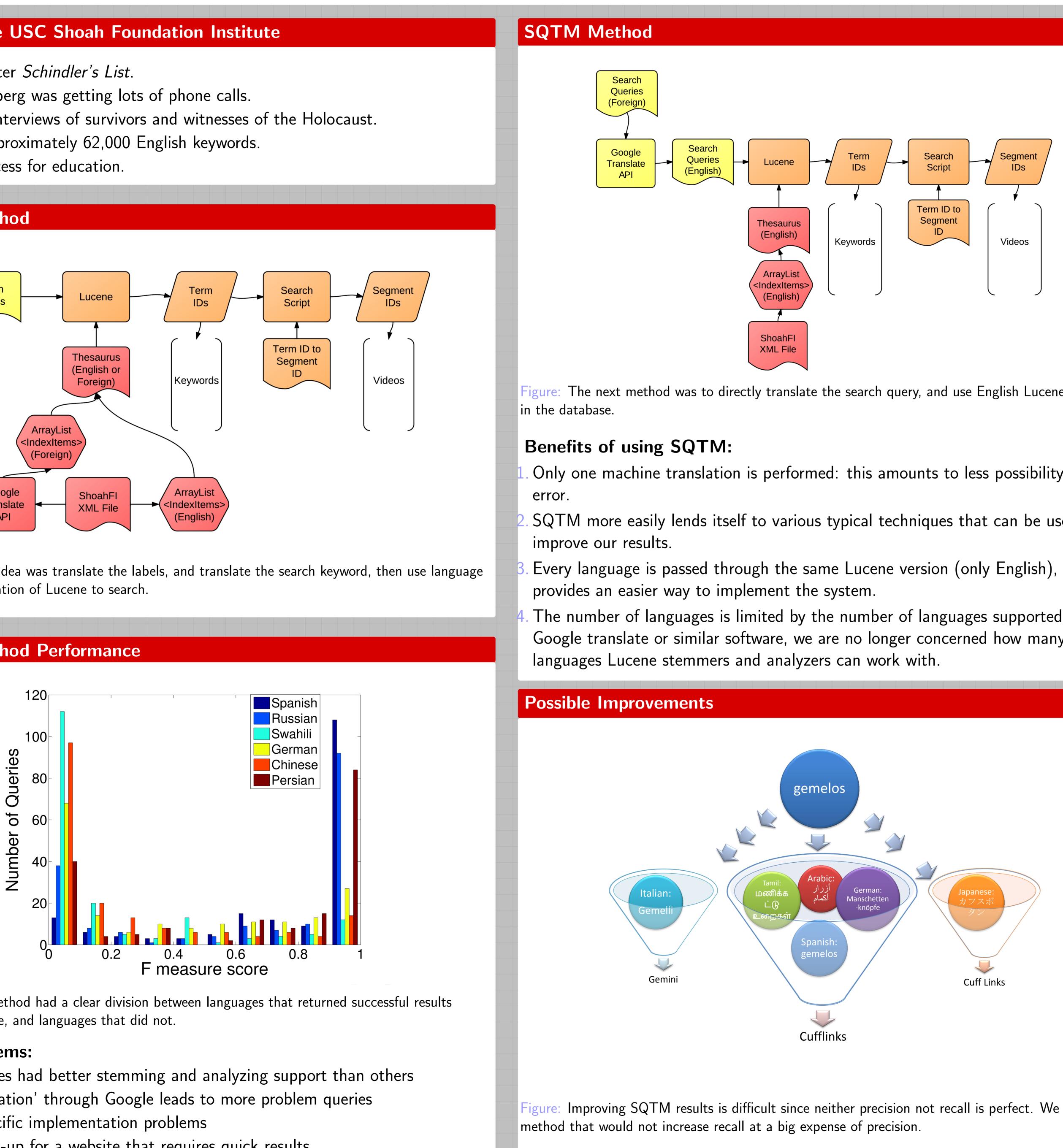
- Established after Schindler's List.
- Stephen Spielberg was getting lots of phone calls.
- Over 52,000 interviews of survivors and witnesses of the Holocaust.
- Indexed by approximately 62,000 English keywords.
- Worldwide access for education.

Baseline Method



specific implementation of Lucene to search.

Baseline Method Performance



majority of the time, and languages that did not.

Known problems:

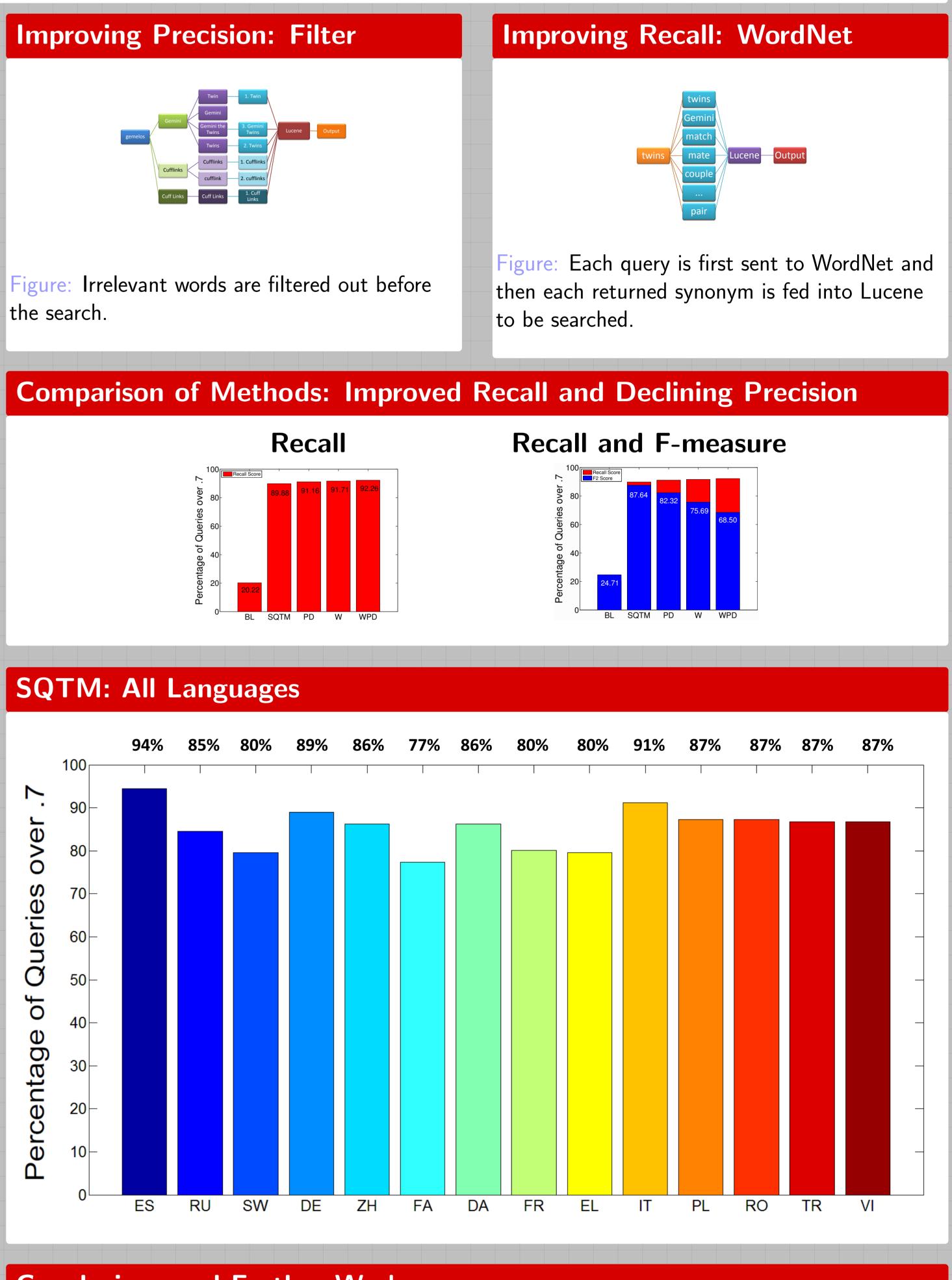
Some languages had better stemming and analyzing support than others

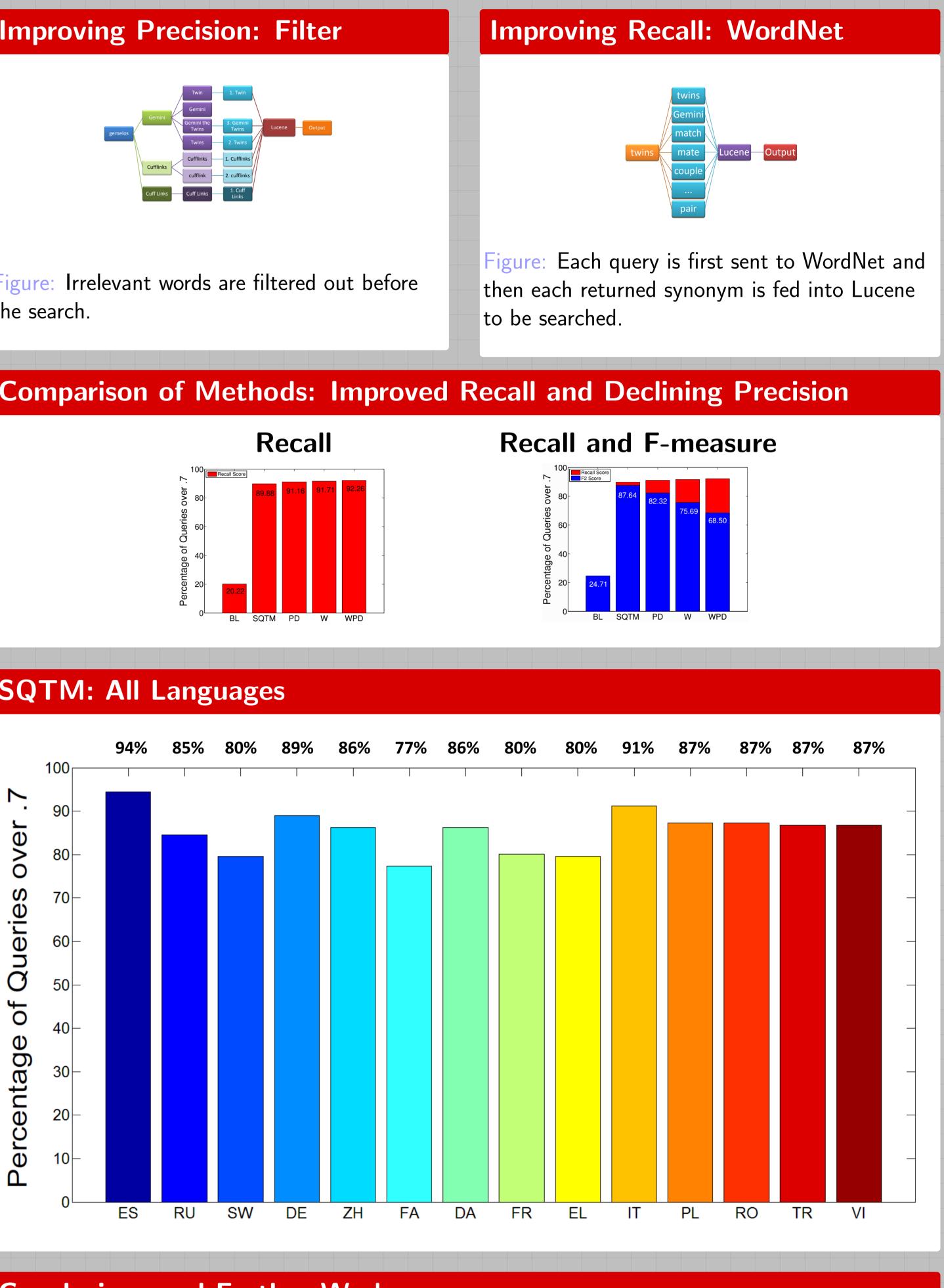
- 'Double translation' through Google leads to more problem queries
- Language-specific implementation problems
- Difficult to set-up for a website that requires quick results

Joint work with C. Quaranta, I. Arrieta Ibarra, E. Schwartz, E. Sizikova.

Improving Cross-lingual Search Quality

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Conclusions and Further Work

Our results clearly indicate that SQTM is the best method for solving the specific problem posed by the Shoah Foundation. To see the full stength of pivoting, filtering, and using other corpora, we need to obtain a more complete thesaurus of search terms. For example, one possible improvement to the thesaurus and hence to the search quality to use a wider range of transliterations of words.

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