

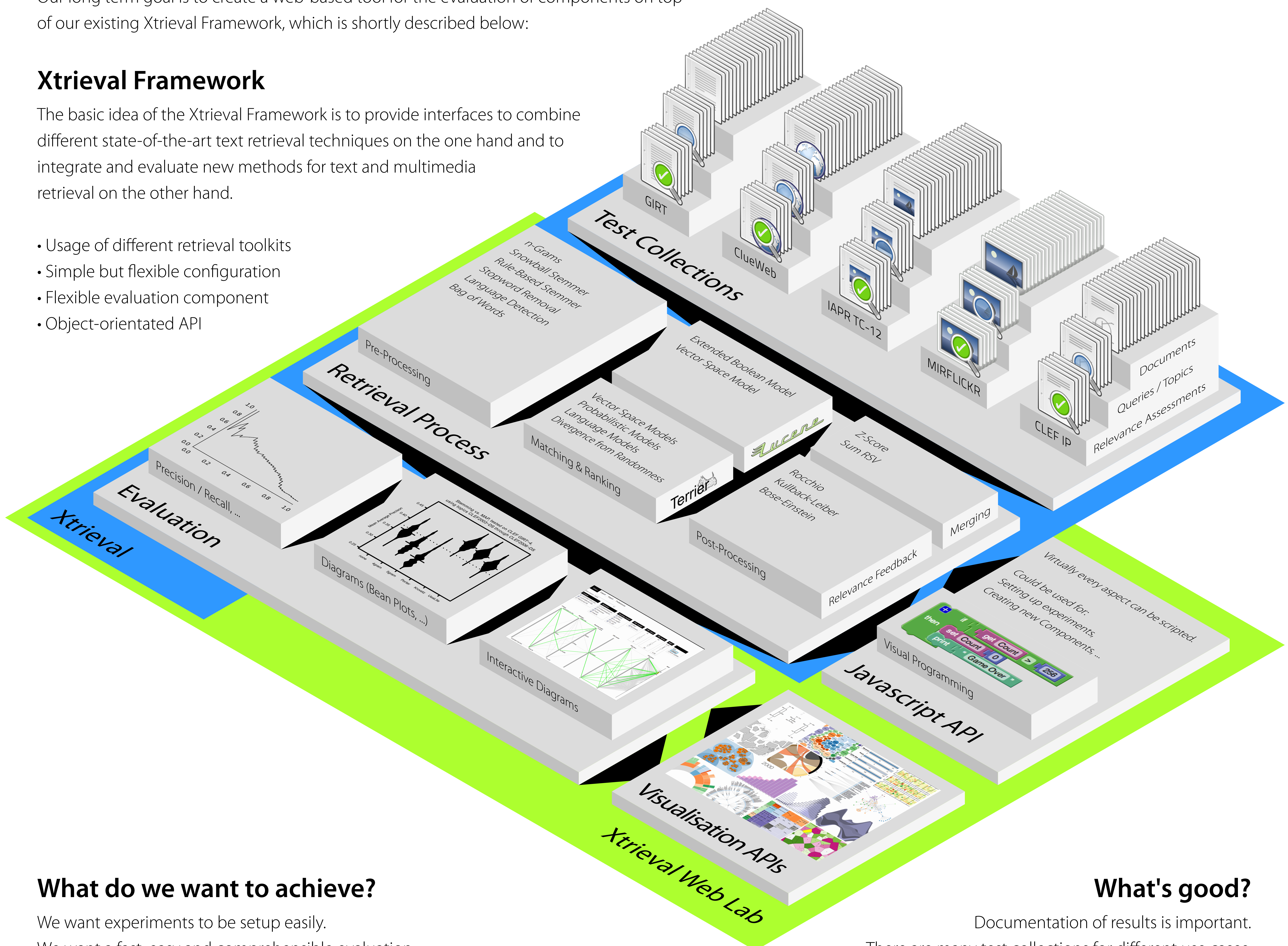
Xtrieval Web Lab

Our long term goal is to create a web-based tool for the evaluation of components on top of our existing Xtrieval Framework, which is shortly described below:

Xtrieval Framework

The basic idea of the Xtrieval Framework is to provide interfaces to combine different state-of-the-art text retrieval techniques on the one hand and to integrate and evaluate new methods for text and multimedia retrieval on the other hand.

- Usage of different retrieval toolkits
- Simple but flexible configuration
- Flexible evaluation component
- Object-orientated API



What do we want to achieve?

- We want experiments to be setup easily.
- We want a fast, easy and comprehensible evaluation.
- We want to compare individual components instead of whole systems.

How do we want to achieve this?

- We want to provide an API for (interactive) visualisations of the results.
- We want to provide a Javascript API to create and test new components.
- We want to provide an automatically created baseline for every test collection.

What's good?

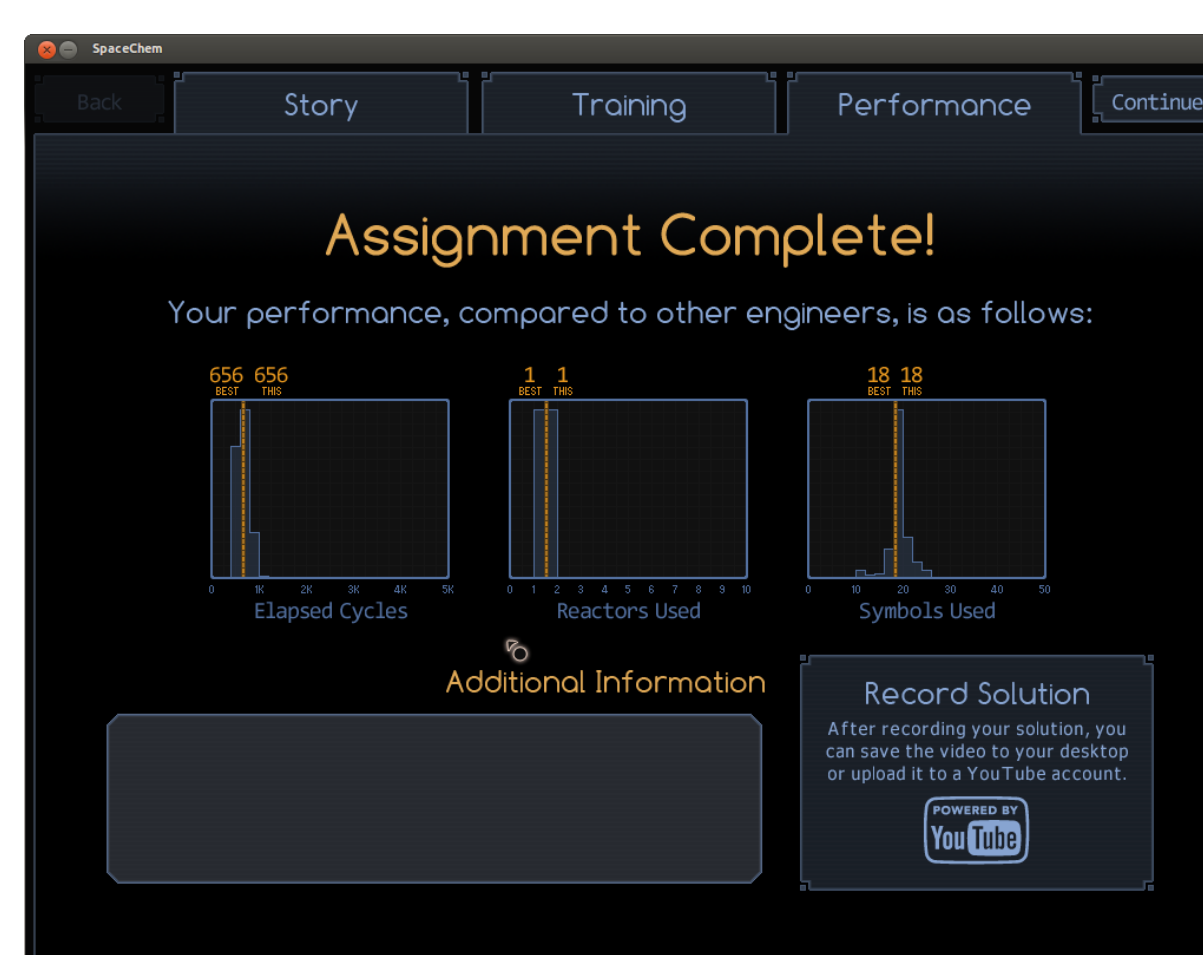
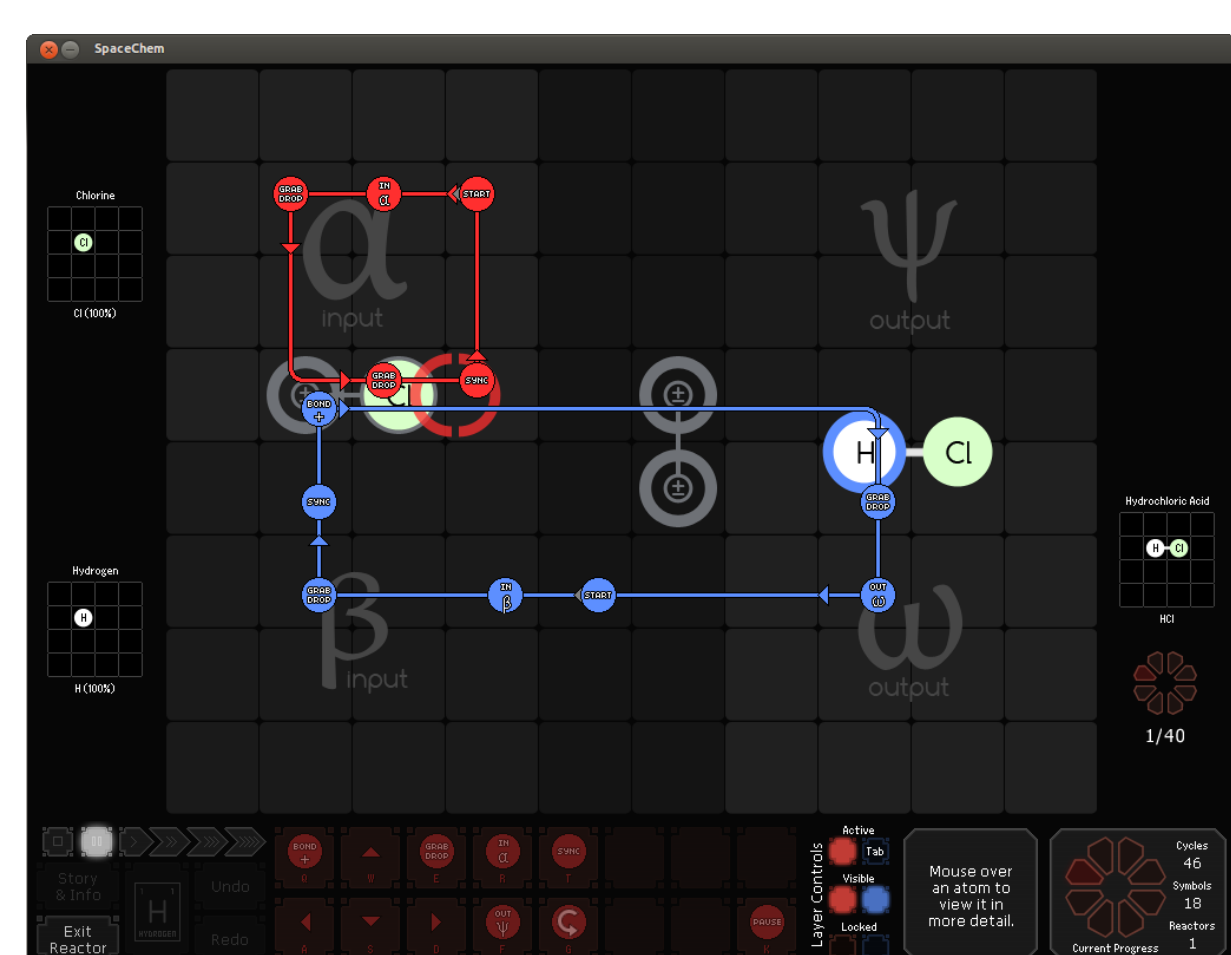
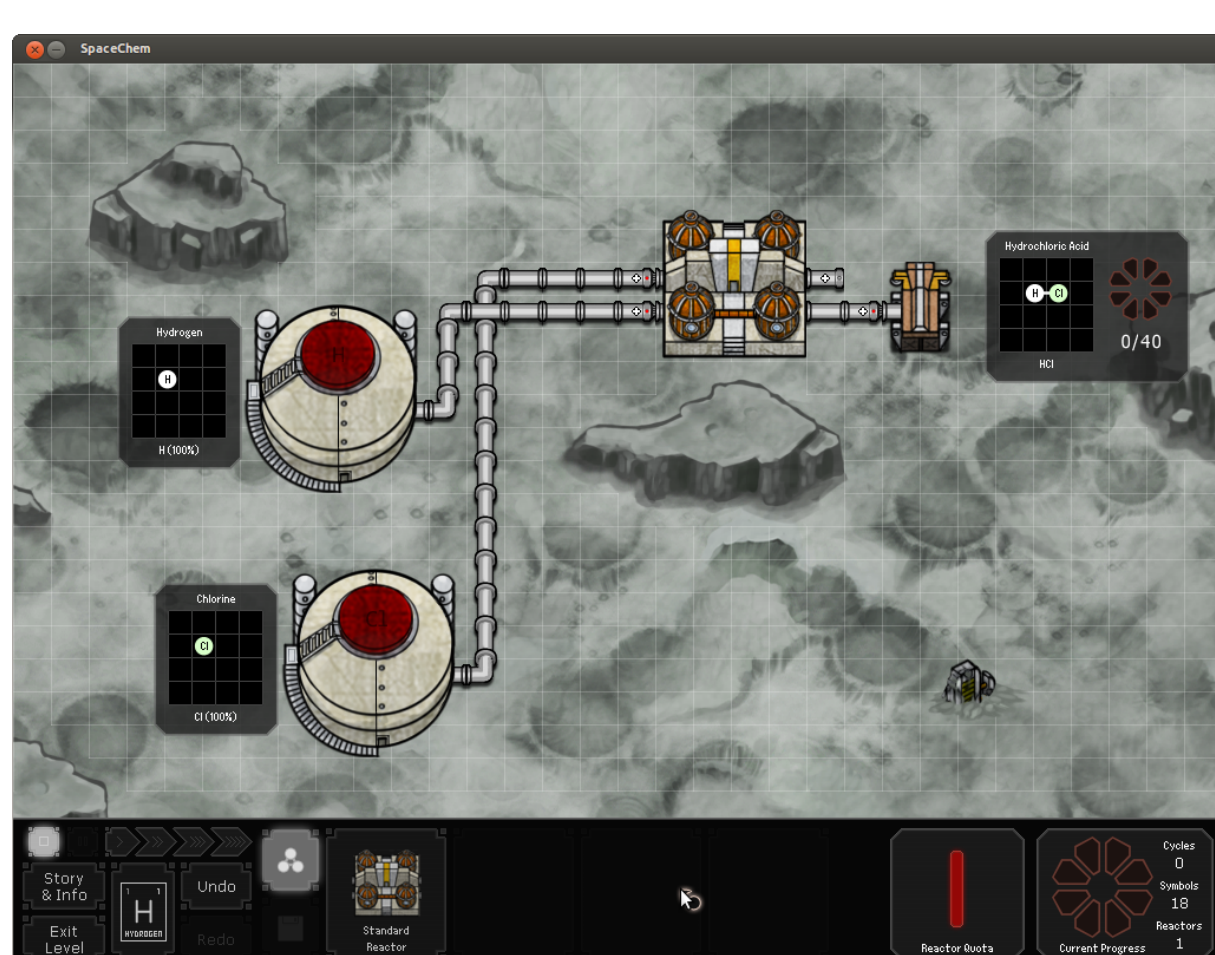
- Documentation of results is important.
- There are many test collections for different use cases.
- There are open source IR frameworks like Terrier or Lucene.

What's not so good?

- Usually there is no common baseline.
- Results of different participants are hard to compare.
- Usually there is a limit for the number of submitted runs.
- You have to setup a whole system to test one component.

Source of Inspiration: SpaceChem

<http://www.spacechemthegame.com/>



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