







CBN Design Goals

... a compound-centric data browser that is

- easy to ... set up & run the application
 - standard (HTML5) web application
 - minimal intrusion on the client side
 - agile development: Ruby on Rails, CSS, JavaScript, AJAX
- easy to ... use for non-technical scientists
 - intuitive/responsive GUI with optimum user-guidance
 - allow "jumping" between Exemplars
 - extensive "linking" into related data sources

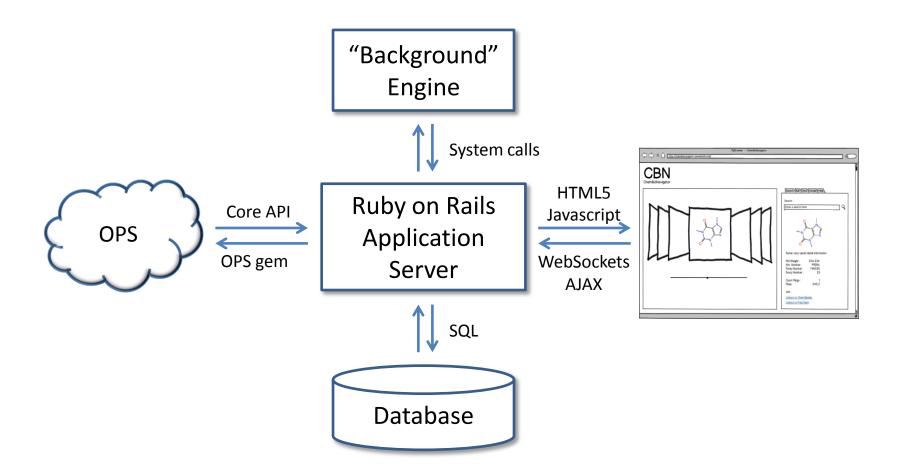








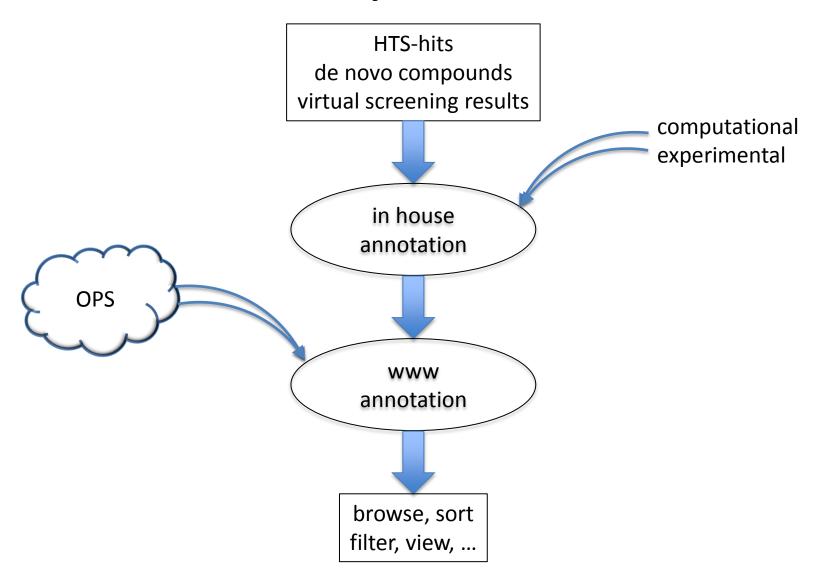
Architecture



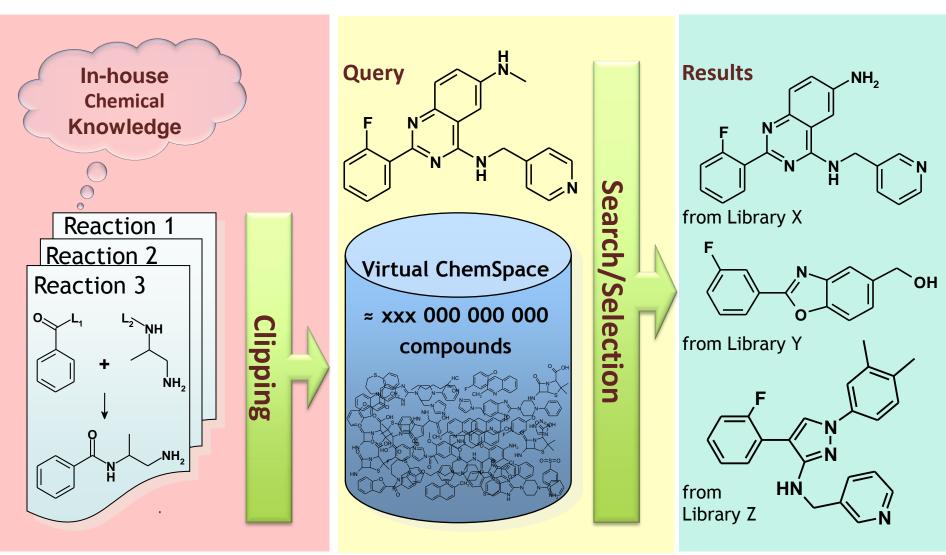
User Centric Design

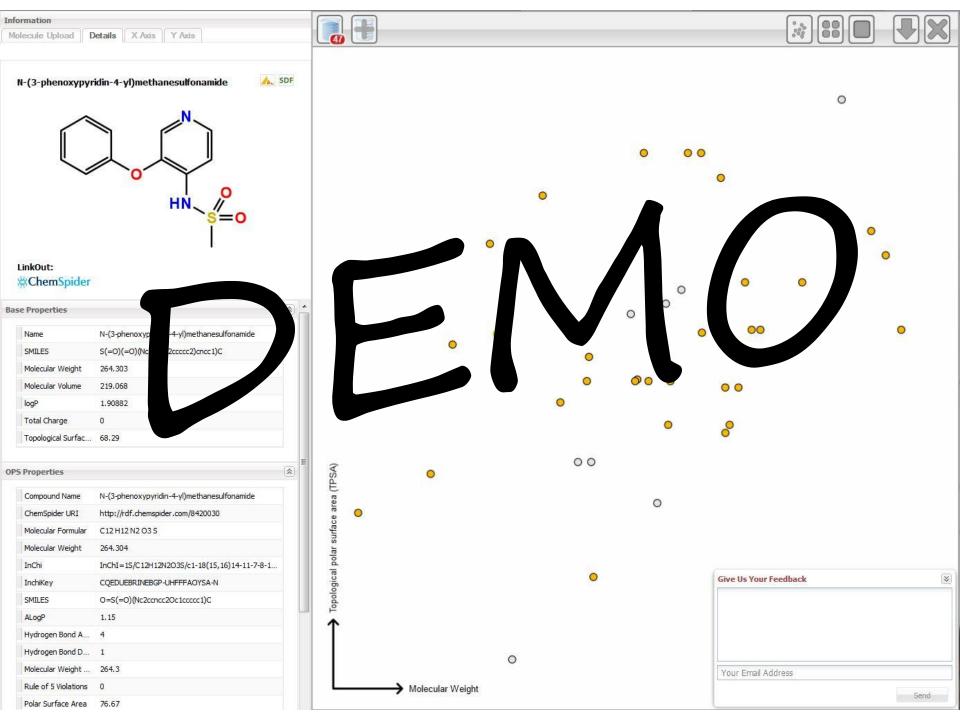
- Release 1: Goals & Use Cases
 - upload and browse molecules
 - connect to OPS-framework
 - merge external and internal data
 - display molecules / browse data
 - getting an overview of what is currently loaded
 - export combined data

Primary Workflow



Virtual Screening





Status

- Prototype ready for testing
- Official release towards the end of the year

Limitations

- Max 500 molecules per session
- Anonymous users -> no storage

Outlook

- Similarity searches to expand sets
- Inclusion of target information
- Suport of tablet PCs

Availibility

Early testers are welcome

email: cbn@zbh.uni-hamburg.de

Please provides us with lots of feedback!