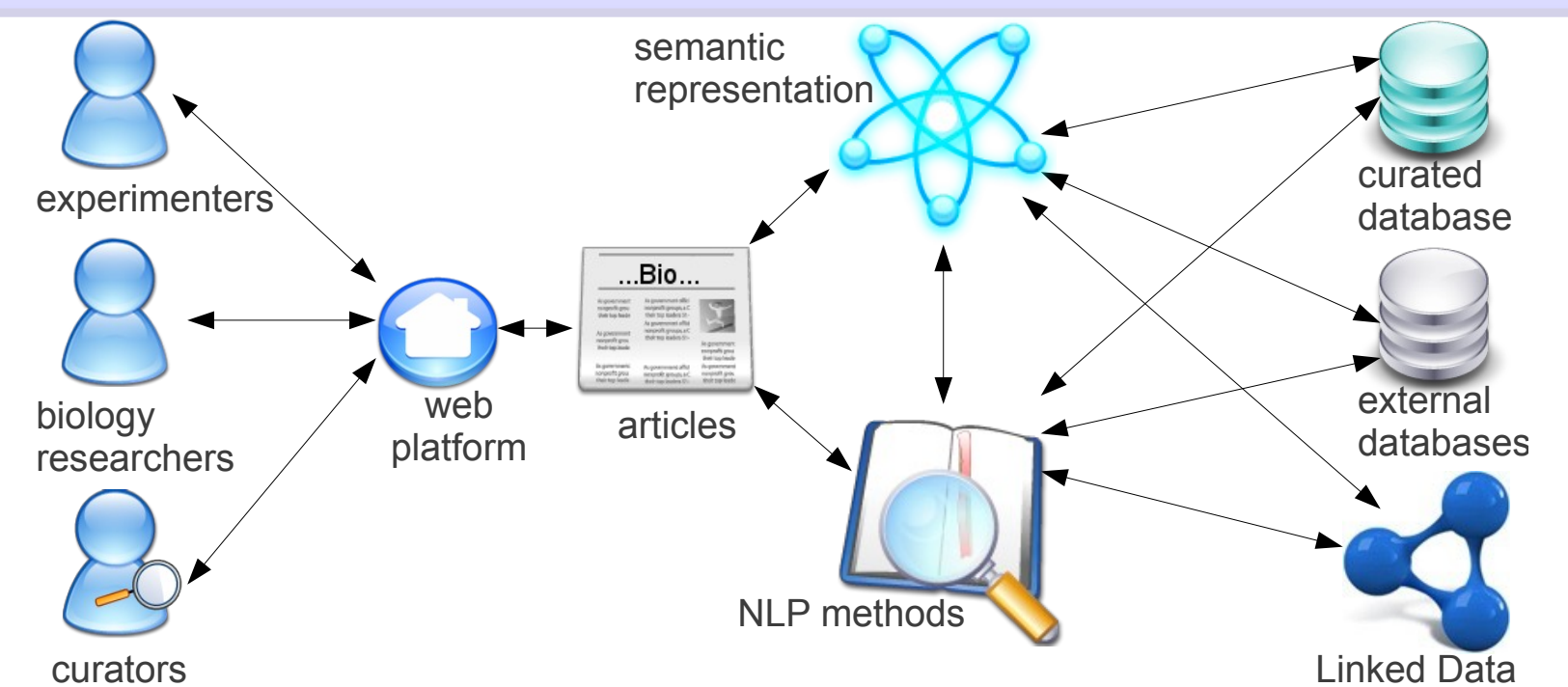


Literature Mining and Curation

- Reading, interpreting, curating bio-literature
- Labor-intensive, error-prone and expensive task
 - ⇒ Natural Language Processing (NLP) techniques:
 - ✓ extract knowledge from papers
 - ⇒ Semantic techniques:
 - ✓ connect information from various sources

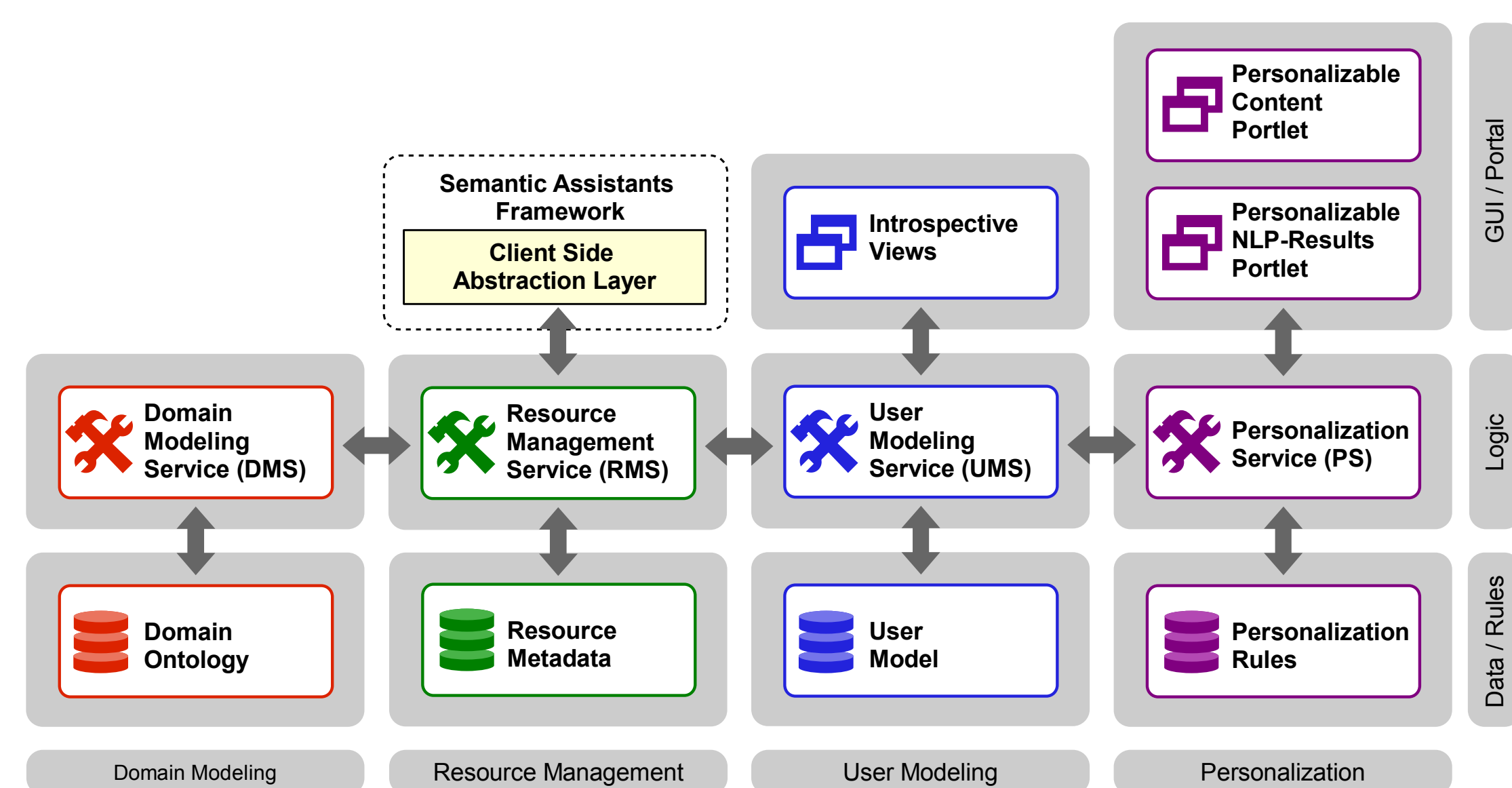


Web Platform

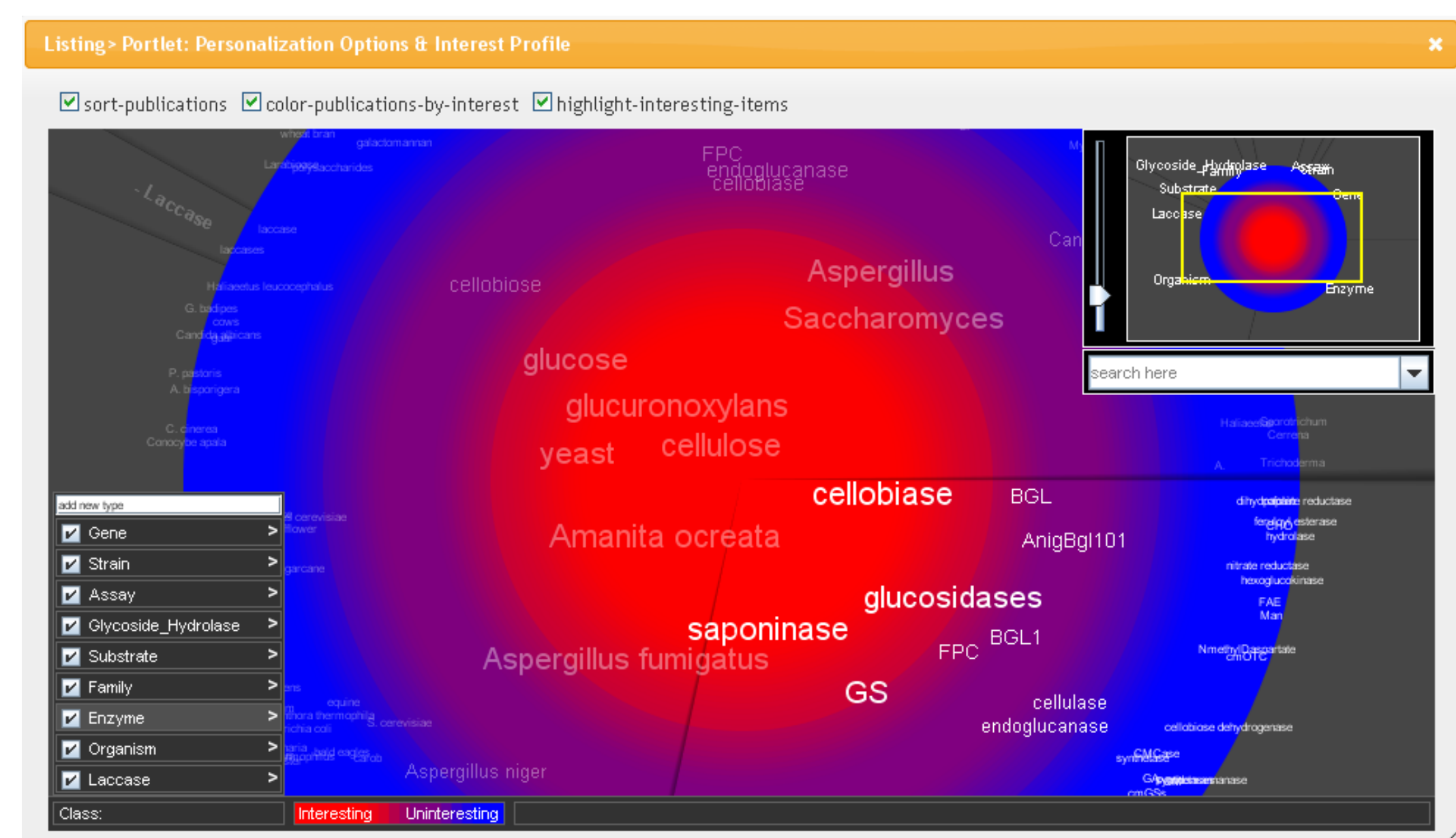
- Personalized view and results of semantic analysis

- Content processing with indexers, summarizers, named entity extractors, etc.
- User-defined display of results (map, index, highlighting in the source text, etc.)

System Architecture



Introspective Views



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- Rich-interaction visualization of semantic user models
- Follows Ben Shneiderman's information seeking mantra
- Overview first, zoom and filter, then details-on-demand
- Intuitive mechanisms for editing user models
- Direct propagation of model changes on the content