

# CHALLENGES AND OPPORTUNITIES OF USING VIVO AS A REPORTING TOOL

## // MOTIVATION

Increasing number of reporting duties for institutions & growing amount of research information

Querying VIVO requires (too) deep knowledge of VIVO ontology and SPARQL

There is a need for a reporting tool with a convenient user interface in VIVO

## // IMPLEMENTATION

### » VITRO QUERY TOOL

- Save SPARQL queries and make them shareable
- Create new query
- Import and export query
- Save query
- Schedule Query

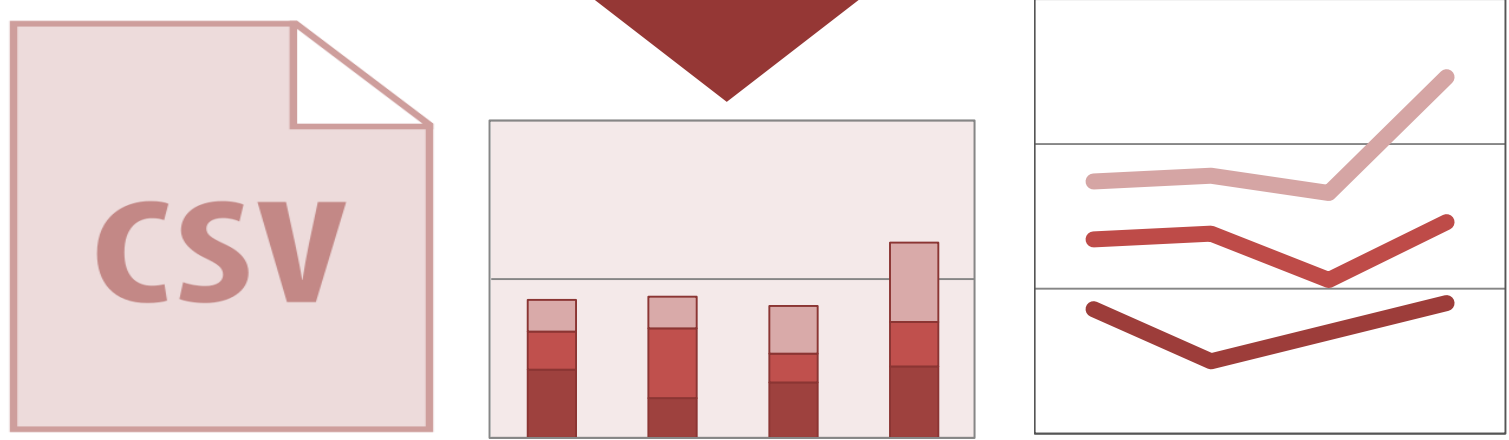
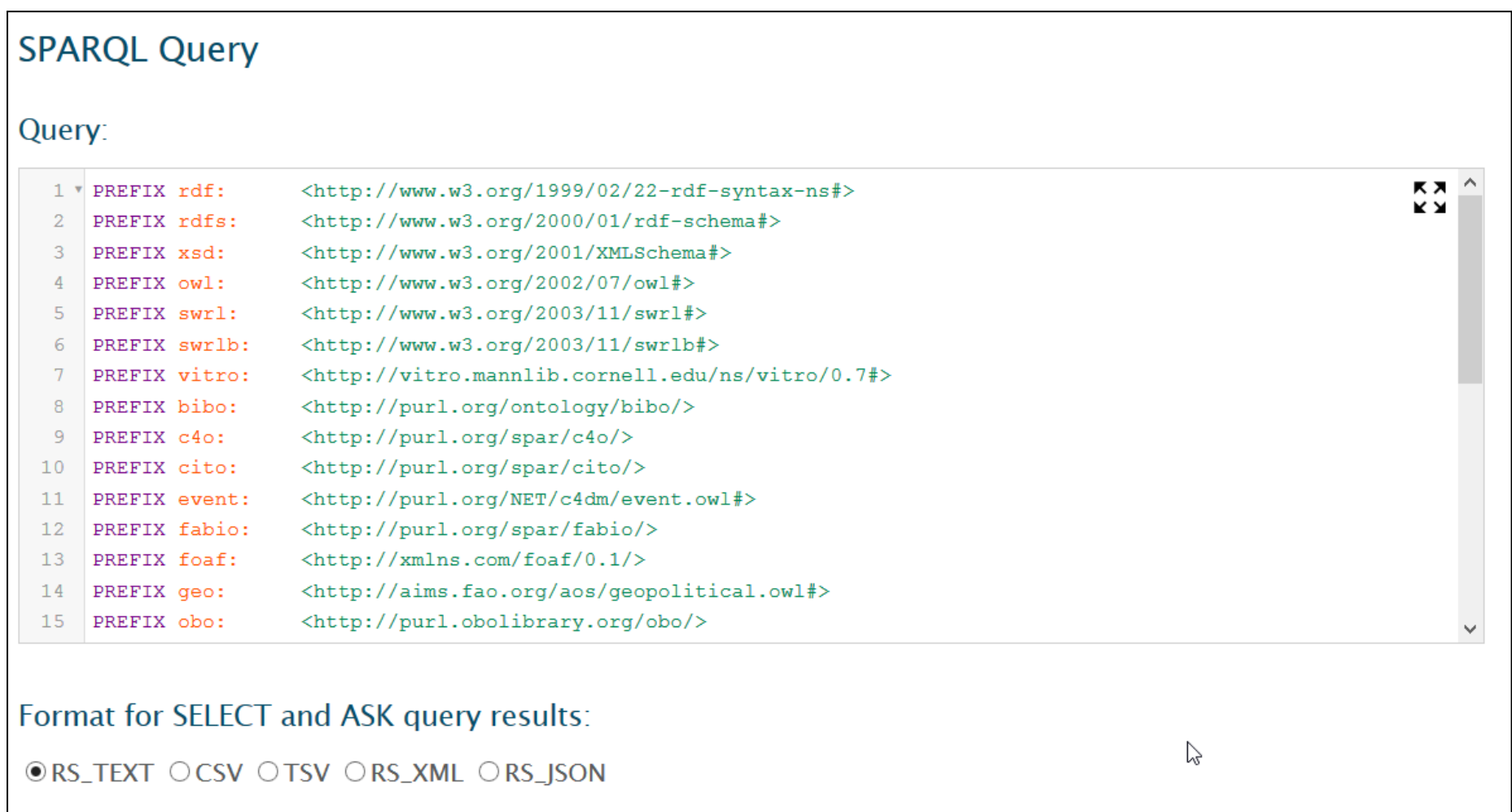
### » ADDITIONAL REQUIREMENTS

- Advanced role management
- User action tracking
- User Interface

### » KIBANA

- Requires ElasticSearch integration
- Kibana is a plug in for ElasticSearch
- Creates reporting dashboards
- Has optional graph visualisation

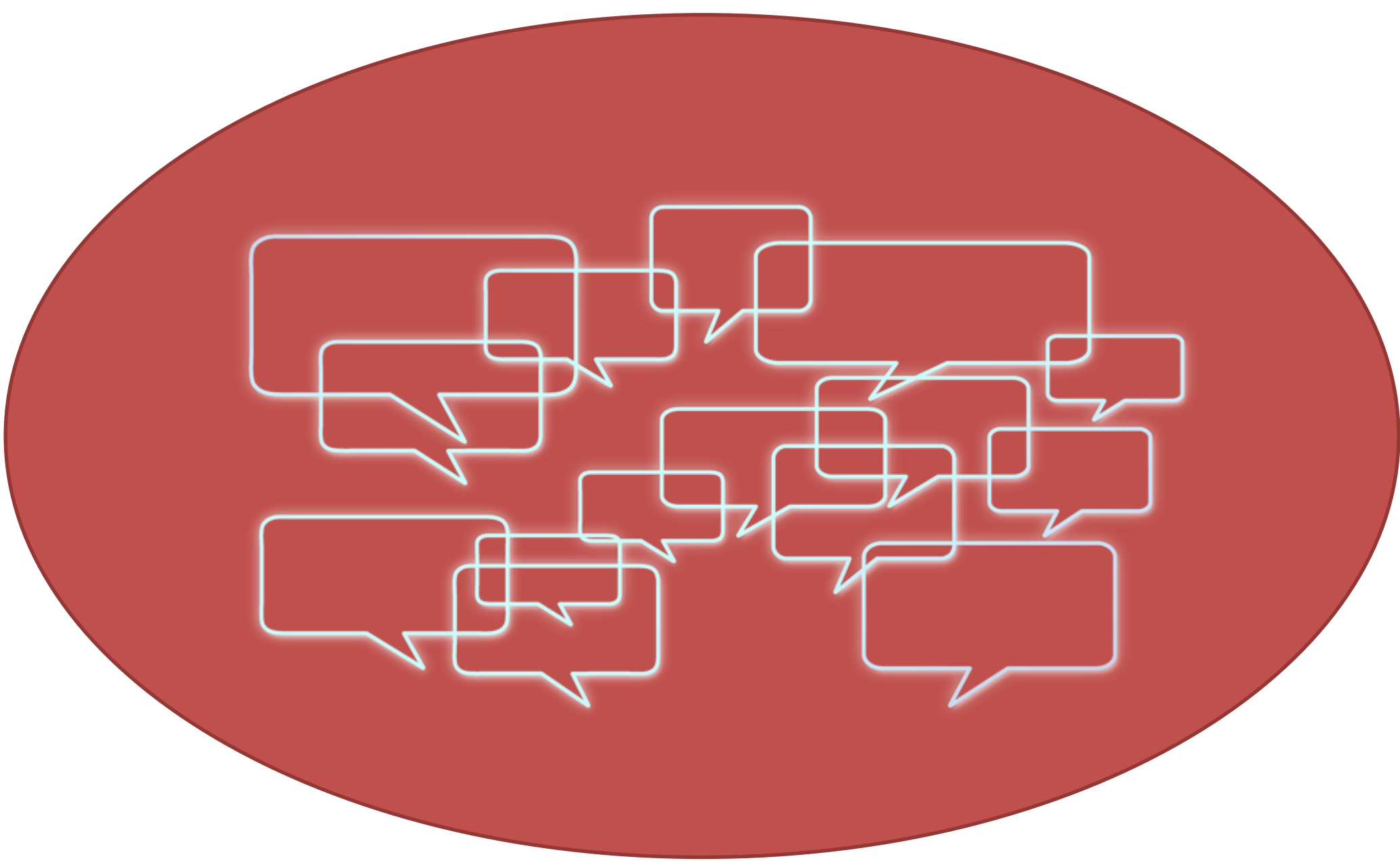
## REPORTING TOOL



## // BENEFITS

### QUERY SHARING PLATFORM

- Enable VIVO users to trade and reuse queries
- Enable and share workflows in Vitro and VIVO
- Save time of research administrators
- In a wiki? On GitHub?



### ANALYICS PLATFORM

- wide range of visualizations and analytics
- sophisticated visualizations: *histograms, line graphs, sunbursts, etc.*
- customizable dashboards for different user group