Using chained views and follow up queries to assist the visual exploration of the Web of Linked Data

Motivation

Information discovery processes are often exploratory (i.e., users have no predefined goal and do not expect a particular outcome) and yet users should be able to

- Retrace their exploratory path to explain what they have found and how to find it again;
- Compare findings using different perspectives and with data available in other datasets.

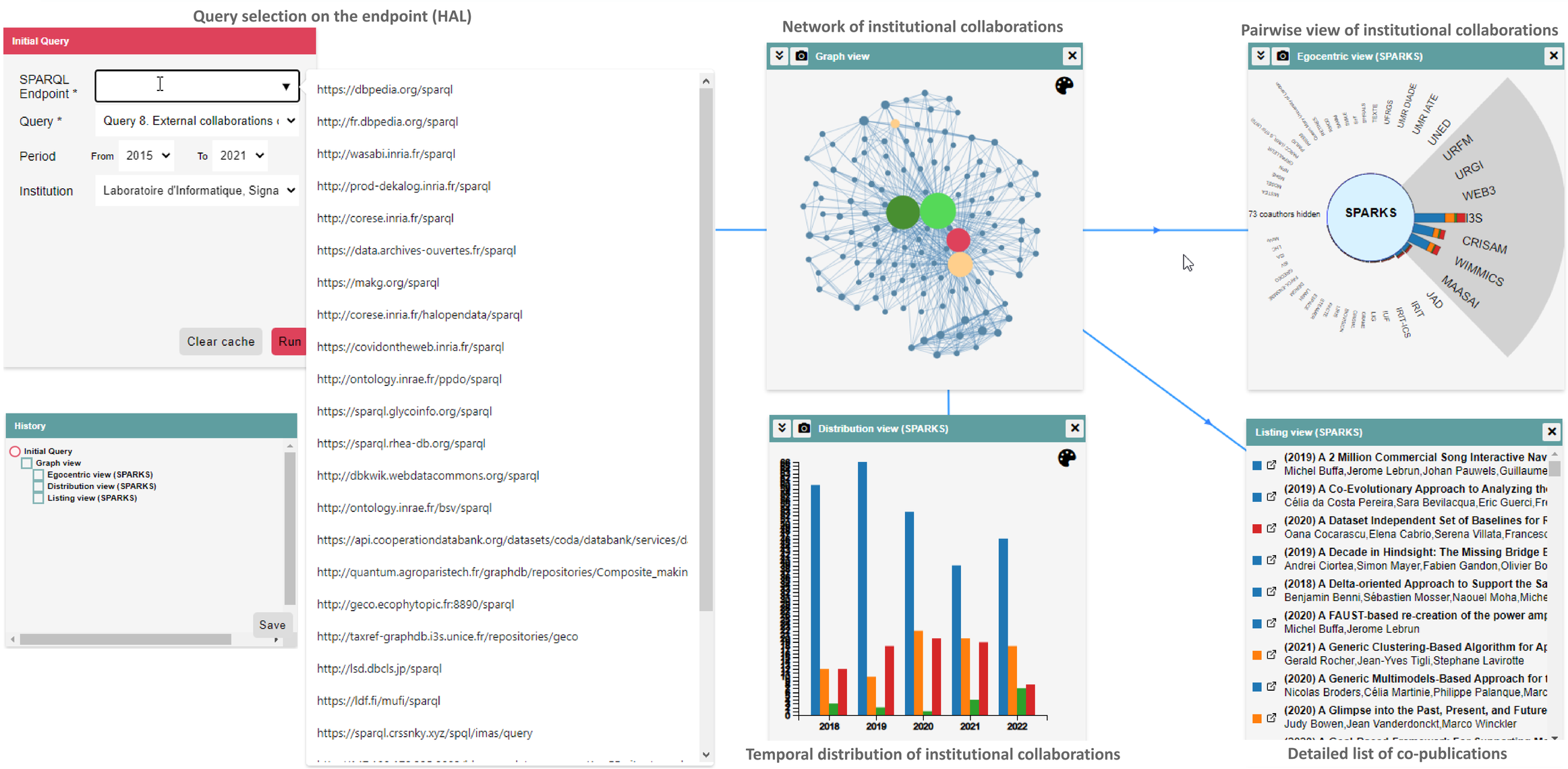
LOD datasets are often very specialized. Exploring multiple datasets is often necessary to obtain the knowledge required to support decision-making processes.

The LDViz approach

The LDViz approach assists users to accomplish the following tasks:

- Explore data from any **SPARQL endpoint** (tested over 420 public endpoints)
- Analyze the data via **multiple complementary visualization techniques**
- Import data on-the-fly through **follow-up queries**
- **Compare data** from different datasets and through different perspectives
- **Retrace the exploratory path**

Application of the approach: exploring co-publications of SPARKS team



Temporal distribution of institutional collaborations

Detailed list of co-publications

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