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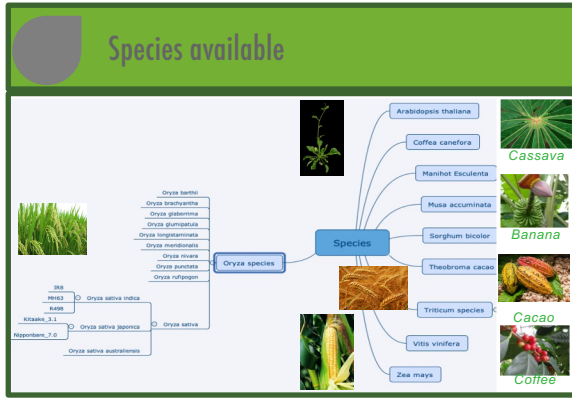
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The AgroLD project : A Knowledge Graph Database for plant functional genomics

Pierre Larmande^{1,3,4}, Aravind Venkatesan, Gildas Tagny, Quan Do, Bertrand Pitollat^{2,3}, Ndomassi Tando^{1,3}, Konstantin Todorov⁴, Yann Pomie¹ and Manuel Ruiz^{2,3}

¹DIADÉ IRD/UM/CIRAD, Univ. Montpellier France ²AGAP CIRAD/INRAE/SupAgro, Univ. Montpellier France ³South Green Bioinformatics Platform, Bioversity, CIRAD, INRAE, IRD, ⁴LIRMM , CNRS Univ. Montpellier France.

Species available

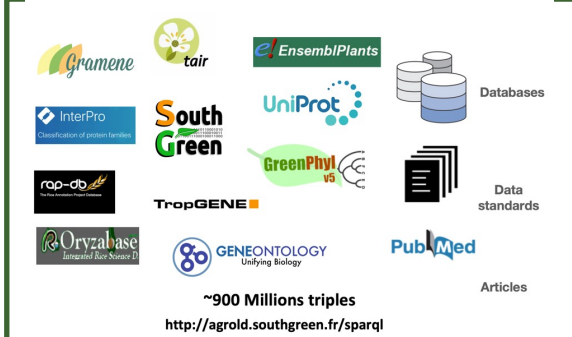


AgroLD (www.agrold.org)



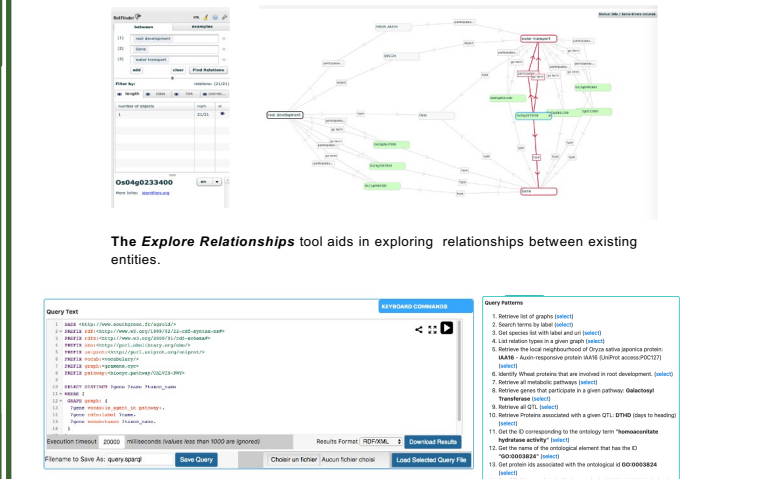
Quick search is based on keyword search and aids in understanding the underlying knowledge.

Data Sources and data types



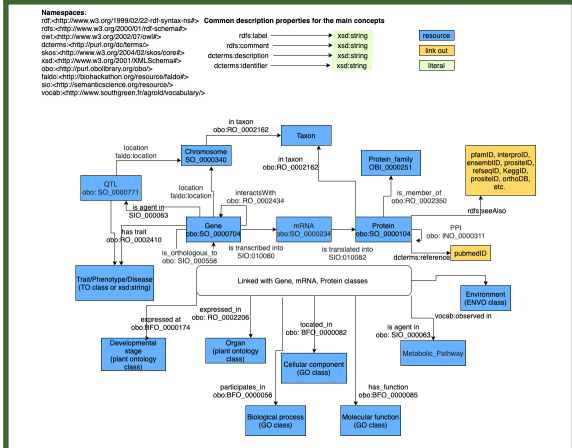
~900 Millions triples
<http://agrold.southgreen.fr/sparql>

The Explore Relationships tool



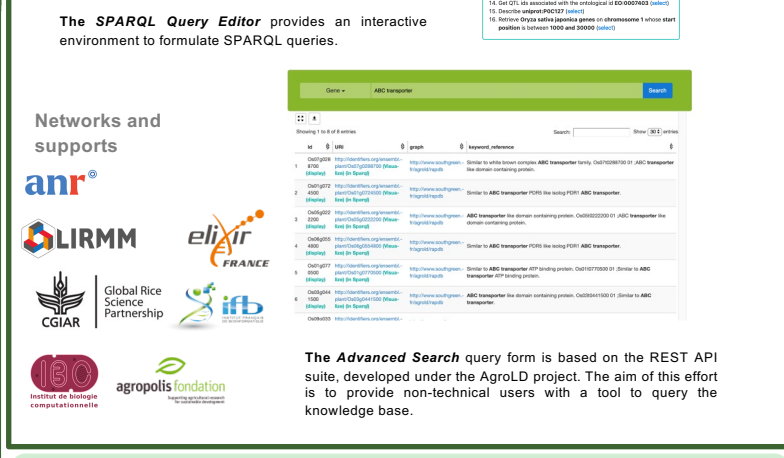
The **Explore Relationships** tool aids in exploring relationships between existing entities.

AgroLD schema and ETL



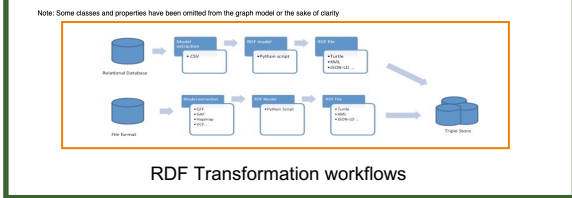
Note: Some classes and properties have been omitted from the graph model for the sake of clarity

The SPARQL Query Editor

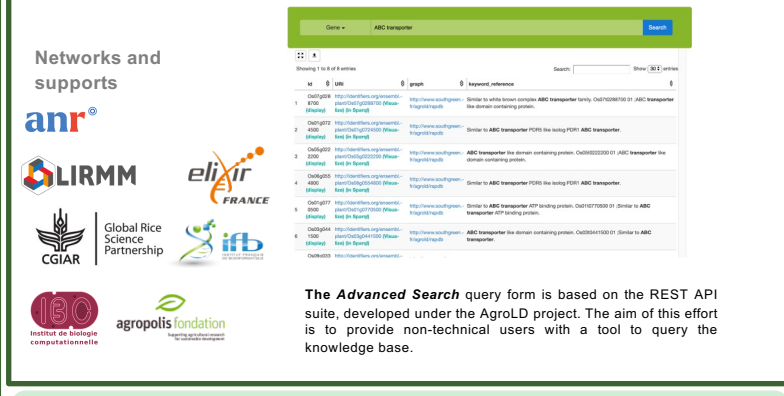


The **SPARQL Query Editor** provides an interactive environment to formulate SPARQL queries.

RDF Transformation workflows



Networks and supports



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