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

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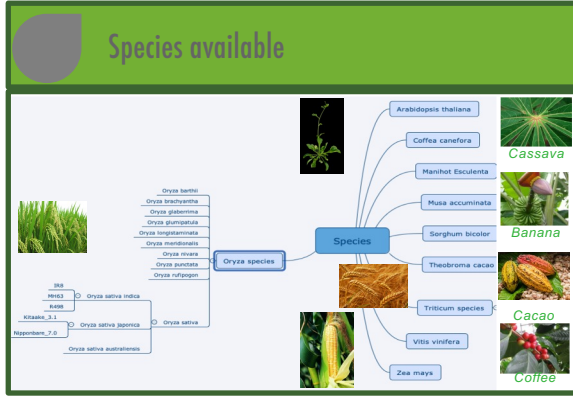
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The AgroLD project : A Knowledge Graph Database for plant functional genomics

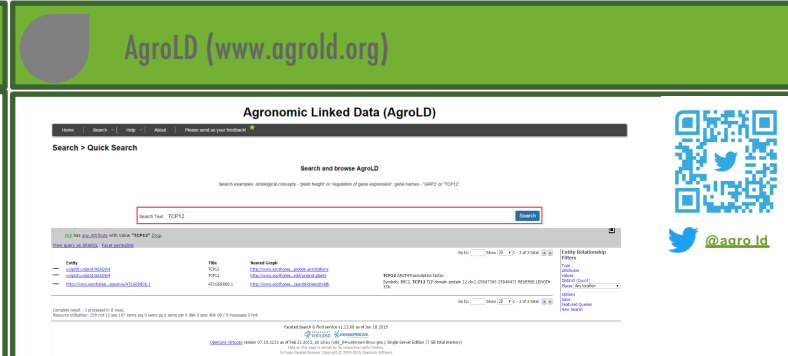
Pierre Larmande^{1,3,4}, Aravind Venkatesan, Gildas Tagny, Quan Do, Bertrand Pitollat^{2,3}, Ndomassi Tando^{1,3}, Konstantin Todorov⁴, Yann Pomie¹ and Manuel Ruiz^{2,3}

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)



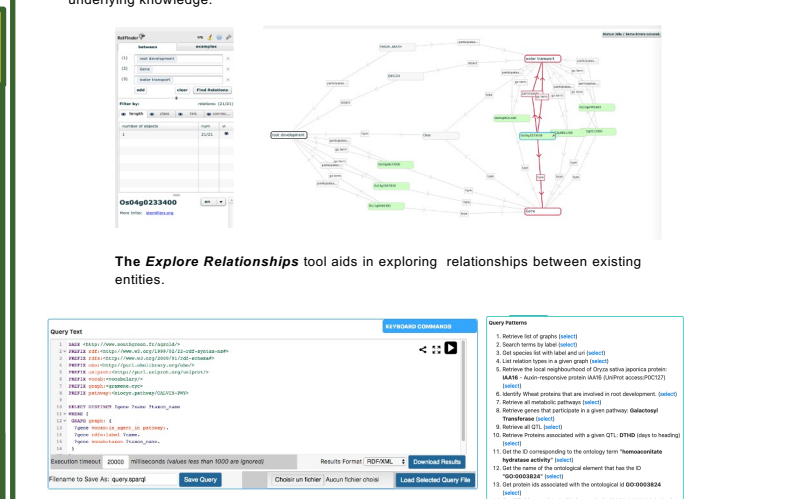
Quick search is based on keyword search and aids in understanding the underlying knowledge.

Data Sources and data types

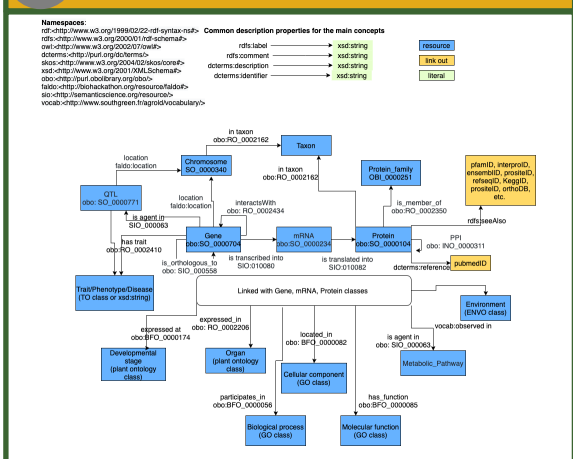


~900 Millions triples
<http://agrold.southgreen.fr/sparql>

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

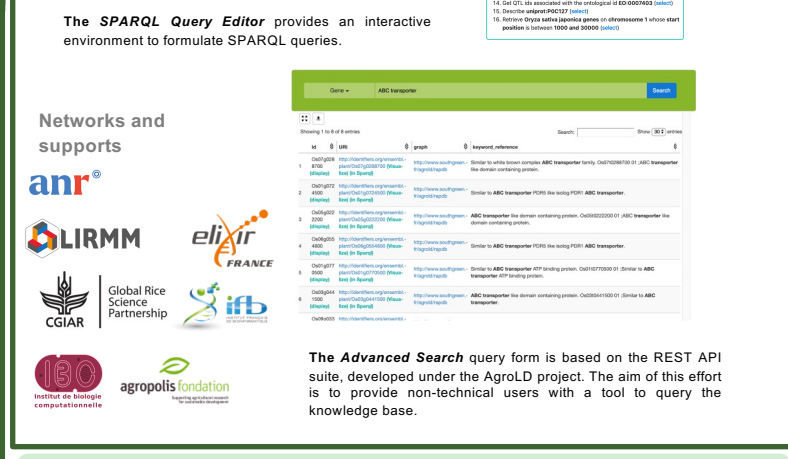


AgroLD schema and ETL

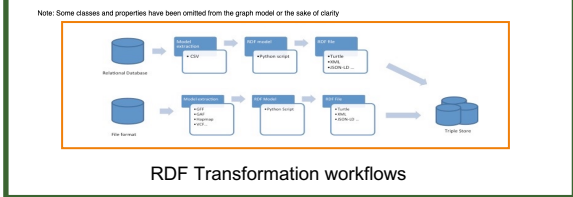


Note: Some classes and properties have been omitted from the graph model for the sake of clarity

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



RDF Transformation workflows



Networks and supports

