



AgroLD: A Knowledge Graph Database for plant functional genomics

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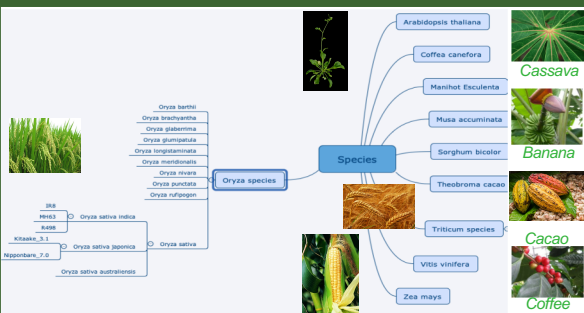


HAL Authorization

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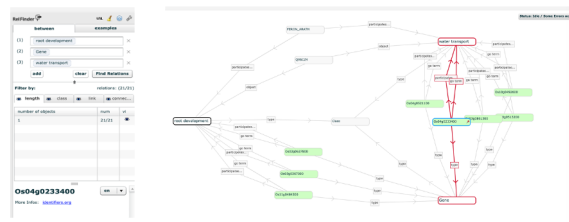
AgroLD (www.agrold.org)



Agronomic Linked Data (AgroLD)

The screenshot displays the AgriLink Data Explorer web application. At the top, there is a navigation bar with a logo and a search bar containing the text "AgriLink". Below the navigation bar, a header section reads "Search > Quick Search". The main content area is titled "Search and browse AgriLD" and contains a search bar with the text "Search for concepts, ontological concepts, 'plant height' or 'regulation of gene expression', gene names, 'TCPI2' or 'TCPI2'". A red box highlights the search bar and the "Search" button. Below the search bar, a table of results is displayed. The table has columns for "URL", "Title", "Description", and "Date". The first result is titled "TCPI2" and is described as "TCPI2 (TCPI2) (TCPI2)". The second result is titled "TCPI2 (TCPI2) (TCPI2)" and is described as "TCPI2 (TCPI2) (TCPI2)". The third result is titled "TCPI2 (TCPI2) (TCPI2)" and is described as "TCPI2 (TCPI2) (TCPI2)". The table also includes a "Date" column with values like "2014-01-01" and "2014-01-01". At the bottom of the page, there is a footer section with the text "AgriLink Data Explorer" and "AgriLink Data Explorer".

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

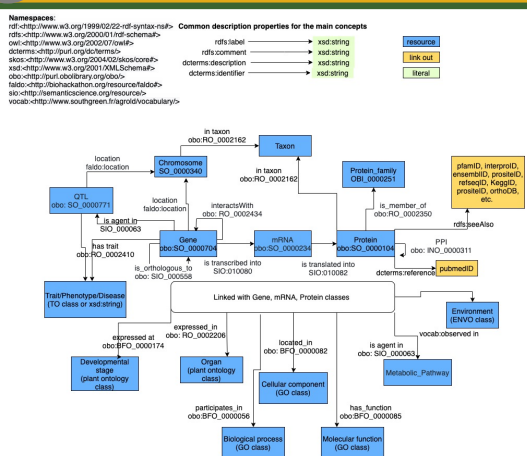


The **Explore Relationships** tool aids in exploring relationships between existing entities.

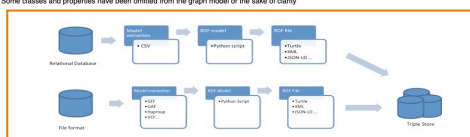
[illegible]

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

Networks and



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



RDF Transformation workflows



The **Advanced Search** query form is based on the REST API suite, developed under the AgroLD project. The aim of this effort is to provide non-technical users with a tool to query the knowledge base.

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