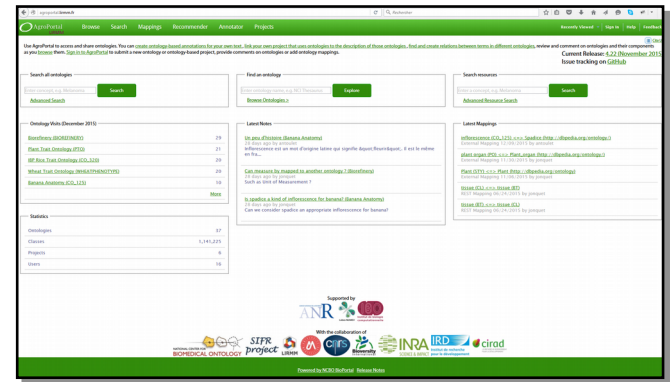


AgroPortal

*ontology repository for
agronomy*



Clément Jonquet, Anne Toulet, Vincent Emonet



<http://agroportal.lirmm.fr>

agroportal.lirmm.fr

Rechercher

AgroPortal LIRMM

BrowseSearchMappingsRecommenderAnnotatorProjects

Recently ViewedSign inHelpFeedback

Use AgroPortal to access and share ontologies. You can [create ontology-based annotations for your own text](#), [link your own project that uses ontologies to the description of those ontologies](#), [find and create relations between terms in different ontologies](#), review and comment on ontologies and their components as you [browse](#) them. [Sign in to AgroPortal](#) to submit a new ontology or ontology-based project, provide comments on ontologies or add ontology mappings.

Current Release: **4.22 (November 2015)**
Issue tracking on [GitHub](#)

Search all ontologies

Search

[Advanced Search](#)

Find an ontology

Explore

[Browse Ontologies >](#)

Search resources

Search

[Advanced Resource Search](#)

Ontology Visits (December 2015)

Biorefinery (BIOREFINERY)	29
Plant Trait Ontology (PTO)	21
IBP Rice Trait Ontology (CO_320)	20
Wheat Trait Ontology (WHEATPHENOTYPE)	20
Banana Anatomy (CO_125)	10
More	

Statistics

Ontologies	37
Classes	1,141,225
Projects	6
Users	16

Latest Notes

[Un peu d'histoire \(Banana Anatomy\)](#)
28 days ago by antoulet
Inflorescence est un mot d'origine latine qui signifie "fleurir". Il est le même en fra...

[Can measure by mapped to another ontology ? \(Biorefinery\)](#)
28 days ago by jonquet
Such as Unit of Measurement ?

[Is spadice a kind of inflorescence for banana? \(Banana Anatomy\)](#)
28 days ago by jonquet
Can we consider spadice an appropriate inflorescence for banana?

Latest Mappings

[inflorescence \(CO_125\) <=> Spadice \(http://dbpedia.org/ontology/\)](#)
External Mapping 12/09/2015 by antoulet

[plant organ \(PO\) <=> Plant organ \(http://dbpedia.org/ontology/\)](#)
External Mapping 11/30/2015 by jonquet

[Plant \(STY\) <=> Plant \(http://dbpedia.org/ontology/\)](#)
External Mapping 11/06/2015 by jonquet

[tissue \(CL\) <=> tissue \(BT\)](#)
REST Mapping 06/24/2015 by jonquet

[tissue \(BT\) <=> tissue \(CL\)](#)
REST Mapping 06/24/2015 by jonquet

Supported by

ANR

With the collaboration of

Powered by [NCBO BioPortal](#) [Release Notes](#)

5 Driving Agronomic Use Cases

- IBC **Rice** Genomics & AgroLD project
 - data integration and knowledge management related to rice
 - RDF data integrated from a variety of plant resources and ontologies
 - **Pierre Larmande**
- RDA **Wheat** Data Interoperability working group
 - common framework for describing, representing, linking and publishing wheat data with respect to open standards
 - **Esther Dzalé-Yeumo**
- INRA Linked Open Vocabularies, **LovInra**
 - publish vocabularies produced or co-produced by INRA scientists and foster their reuse beyond the original researchers
 - **Esther Dzalé-Yeumo & Sophie Aubin**
- **Crop** Ontology project
 - publishes ontologies required for describing crop germplasm, traits and evaluation trials
 - **Elizabeth Arnaud & Marie-Angélique Laporte**
- GODAN global map of agri-food data standards
 - <http://vest.agrisemantics.org>
 - **Valeria Pesce**



Other projects interested

- **FAO** Agricultural Information Management Standards (<http://aims.fao.org>)
 - GACS project (merge CABt, NALt and Agrovoc)
- Research Data Alliance (<https://rd-alliance.org>)
 - New **AgriSemantics** group
 - New Rice Data Interoperability WG
- Planteome (www.planteome.org)
 - Development and enrichment of new and existing **reference ontologies for plants**
 - Data annotation, mapping to reference ontologies
- **Elixir** (www.elixir-europe.org)
 - US and EU cyberinfrastructure for life science and plants
- **IFB** platforms (www.france-bioinformatique.fr)
 - (SouthGreen, URGI, PlantNode, etc.)

Annotator

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☐ Exc
☐ Exc
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Includ
Get

Annotations total results 14 (direct 14 / ancestor 0 / mapping 0)

CLASS filter	ONTOLOGY filter	TYPE filter	CONTEXT	MATCHED CLASS filter	MATCHED ONTOLOGY filter	SCORE
phenotype	Semanticscience Integrated Ontology	direct	BACKGROUND: Plant phenotype datasets include many ...	phenotype	Semanticscience Integrated Ontology	4.322
phenotype	Semanticscience Integrated Ontology	direct	... backgrounds. Although phenotype comparisons across datasets ...	phenotype	Semanticscience Integrated Ontology	4.322
phenotype	Experimental Factor Ontology	direct	BACKGROUND: Plant phenotype datasets include many ...	phenotype	Experimental Factor Ontology	4.322
phenotype	Experimental Factor Ontology	direct	... backgrounds. Although phenotype comparisons across datasets ...	phenotype	Experimental Factor Ontology	4.322
Plant	National Center for Biotechnology Information (NCBI) Organismal Classification	direct	BACKGROUND: Plant phenotype datasets include ...	Plant	National Center for Biotechnology Information (NCBI) Organismal Classification	3.322
Data	National Center for Biotechnology Information (NCBI) Organismal Classification	direct	... types of data , formats, and terms ...	Data	National Center for Biotechnology Information (NCBI) Organismal Classification	3.322
Language	National Center for Biotechnology Information (NCBI) Organismal Classification	direct	... frequently contain language and details tailored ...	Language	National Center for Biotechnology Information (NCBI) Organismal Classification	3.322
language	Semanticscience Integrated Ontology	direct	... frequently contain language and details tailored ...	language	Semanticscience Integrated Ontology	3.322
Scale	Biorefinery	direct	... a small scale , comprehensive queries and ...	Scale	Biorefinery	3.322
scale	Experimental Factor Ontology	direct	... a small scale , comprehensive queries and ...	scale	Experimental Factor Ontology	3.322
set	Semanticscience Integrated Ontology	direct	... a broad set of reference species, ...	set	Semanticscience Integrated Ontology	3.322
reference	Semanticscience Integrated Ontology	direct	... set of reference species, research disciplines, ...	reference	Semanticscience Integrated Ontology	3.322
bract	Plant Ontology	direct	... a small scale , comprehensive queries and ...	bract	Plant Ontology	3.000
trichome	Plant Ontology	direct	... a small scale , comprehensive queries and ...	trichome	Plant Ontology	3.000

Community based functionalities

Latest Mappings

[tissue \(BT\) <=> tissue \(CL\)](#)

REST Mapping 06/24/2015 by jonquet

[tissue \(CL\) <=> tissue \(BT\)](#)

REST Mapping 06/24/2015 by jonquet

Latest Notes

[object quality \(Phenotypic Quality Ontology\)](#)

about 19 hours ago by emonet

What is the difference with object quality or process quality? To which object those this quality...

[quality vs trait \(Phenotypic Quality Ontology\)](#)

about 20 hours ago by jonquet

Is this ok in PATO to have 'trait' as a synonym of quality?

agroportal.lirmm.fr/projects

AgroPortal LIRMM

Browse Search Mappings Recommender Annotator **Projects** Recently Viewed test Help Feedback

Projects

Browse the ontology-based projects in the community: Each project description is linked to IBC AgroPortal ontologies that the project uses. Use the 'Add Project' link to add your ontology-based project to this list and to link it to IBC AgroPortal ontologies. Your project will then appear on the pages that list the details for the ontologies that you selected. We also invite you to review ontologies that you used in your project.

Create New Project

PROJECT	DESCRIPTION	CONTACTS	INSTITUTIONS	ONTOLOGIES
Computational Biology Institute Home Page	Modeling, processing and analysis of large scale data in biology, health, agronomy and environment.	Pierre Larmande	University of Montpellier, CNRS, CIRAD, INRIA, IRD, INRA, SupAgro, INSERM	0
Labex Numev Home Page	The Numev Labex was created within the greater construct of rallying the MIPS community (Mathematics, Computer Science, Physics, Systems) around the objective of tackling organic life, health and environmental issues.	Clément Jonquet	University of Montpellier, CNRS, INRIA, INRA, SupAgro	0
Semantic Indexing of French Biomedical Data Resources Home Page	The SIFR project proposes to investigate the scientific and technical challenges in building ontology-based services to leverage biomedical ontologies and terminologies in indexing, mining and retrieval of French biomedical data.	Clément Jonquet	LIRMM (University of Montpellier & CNRS)	0