Example of mappings and application in data search

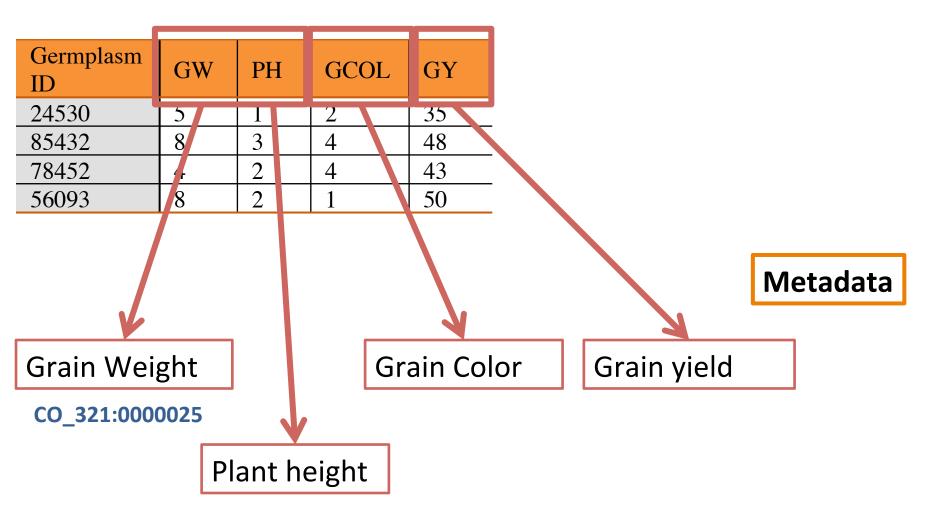








Phenotype data file in breeding, stored in repositories













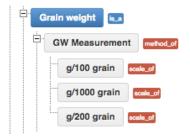


Semantic for data integration

Trait Ontology

Wheat

Crop Ontology



Term ID TO:0000162

Term grain quality trait

A fruit quality trait (TO:0002728) that is the commercial and /or economical value of the grain (i.e. fruit (PO:0009001)), or its overall improvement.

Ontology source plant_trait_ontology

Synonyms n/a

Alt ID TO:0000588

Bioentities retrieve bioentities annotated to this term for this filter set

CO_321:0000025

(automated) **mapping**

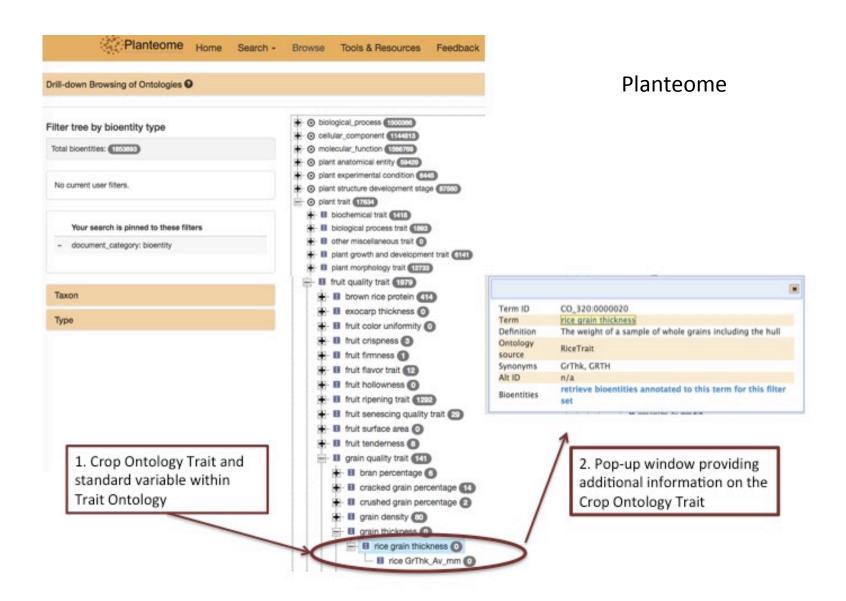
Marie-Angélique Laporte, Bioversity



GACS

grain

- cereal products
- brewers grains, cereal grains, cereals, feed grains
- grains
- 8 products
- (ar), 谷类 (zh), zrno (cs), graan (nl), Grain (fr), Korn (de), अनाज/दाना (hi), gabonaszem (hu), Granella (it), 穀物 (ja), 남알 (ko), เมัดทัมยาพิก (lo), Bijian (ms), (นะ) ば (fa), Ziarno (pl), grãos (pt), Grão (pt), зерно (ru), zrno (sk), granos (es), เมล็ดธัญพืช (th), taneliler (tr), hububat (tr) http://id.agrisemantics.org/gacs/C1825



Wheat Grain weight search in AGRIS



Effects of all straw returned to the field on grain number and grain weight at different spikelets and grain positions in winter wheat [may.2011]

Qu Huijuan, Anhui Agricultural University; Li Jincai, Anhui Agricultural University; Shen Xueshan, Anhui Agricultural University

Abstract:

Objective The objectives of this study were to research the change of gain number and grain weight of wheat with spikelet and grain position in main stem and tiller spike under the condition of straw returned to the field. Method A location field experiment was conducted from 2008 to 2010, single maize straw returned to the field, single wheat straw returned to the field, wheat and maize straw ...



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Genotypic variation in linear rate of grain growth and contribution of stem reserves to grain yield in wheat [2008]

Ehdaie, B.; Alloush, G.A.; Waines, J.G.

Abstract:

Grain growth in wheat depends on current photosynthesis and stem water-soluble carbohydrates (WSC). In semiarid regions with terminal drought, grain filling in wheat crops may depend more on stem WSC content than on current assimilates. Reduction in grain yield under drought is attributed to shorter duration of linear grain growth despite increased contribution of stem reserves to grain yield. ...

Grain yield in Wheat trials in Agtrials

Name 👢	Project IT	Location J↑	Crop ↓↑
Aberdeen-19apr2011-In-dry	Wheat - triticeae coordinated agricultural project	Aberdeen	Wheat
Aberdeen-19apr2011-nn-dry	Wheat - triticeae coordinated agricultural project	Aberdeen	Wheat
Aberdeen-19apr2011-nn-irri	Wheat - triticeae coordinated agricultural project	Aberdeen	Wheat
Bozeman, Mt, 13 May11	Wheat - triticeae coordinated agricultural project	BOZEMAN, MT, USA	Wheat
Bozeman, Mt, 14may09-dry	Wheat - triticeae coordinated agricultural project	BOZEMAN, MT, USA	Wheat
Bozeman, Mt, 14may09-irri	Wheat - triticeae coordinated agricultural project	BOZEMAN, MT, USA	Wheat
Davis, Ca, 9nov10	Wheat - triticeae coordinated agricultural project	DAVIS, CA, USA	Wheat
Havre, Mt, 22apr10	Wheat - triticeae coordinated agricultural project	HAVRE, MT, USA	Wheat
Horse Heaven, Wa, 23mar11	Wheat - triticeae coordinated agricultural project	HORSE HEAVEN, WA, USA	Wheat
Huntley, Mt, 12apr11	Wheat - triticeae coordinated agricultural project	HUNTLEY, MT, USA	Wheat

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