AgroPortal: A Proposition for Ontology-Based Services in the Agronomic Domain
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Reusing NCBO technology

NCBO Bioportal: a web repository for biomedical ontologies:
- Users can publish, download, browse, search, comment, align ontologies and use them for annotations both online and via a web services API.
- [http://bioportal.bioontology.org](http://bioportal.bioontology.org)
- Domain independent & open source
- Fully semantic web compliant
- Focus on biomedicine
- Many plant/agronomy related ontologies are not covered

Driving Uses-Cases

- **IBC Rice Genomics & AgroLD project** ([http://agrol.org](http://agrol.org)): RDF data integrated from a variety of plant resources and ontologies
- **RDA Wheat Data Interoperability working group**: common framework for describing, representing, linking and publishing wheat data with respect to open standards
- **INRA Linked Open Vocabularies** ([http://lovinra.inra.fr](http://lovinra.inra.fr)): publish vocabularies produced or co-produced by INRA scientists and foster their reuse beyond the original researchers
- **The Crop Ontology** ([www.cropontology.org](http://www.cropontology.org)): publishes ontologies required for describing crop germplasm, traits and evaluation trials

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