



# CropBase/GRASP AgriGIS Workshop: Draft Work Plan – Phase-1 (From day 1 discussions)

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# CropBase/GRASP Structure

## Up-date from day 1

### December 2012:

- Define “test” research question(s);
- Explore ontologies and relevant standards within agriculture community,
- Commence recruitment of PhD students on Crowdsourcing and GIS Modelling
- Explore / refine alignment of CropBase, GRASP and COBWEB research plans



# CropBase/GRASP Structure Up-date from day 1

## January 2013

- Hold technical workshop week of Jan 14<sup>th</sup> to define data sets, models and software apps / service components;
- Production of Phase-1 Plan and “sign-off”



# CropBase/GRASP Structure

## Up-date from day 1

### **Jan – March 2013:**

- access + review core data sets,
- schema design
- data modelling.
- ontology alignment.
- firm-up on internee plans for summer data processing.
- research into supplementary data sets (weather, climate, soils, .....
- design / build / document test science model components



# CropBase/GRASP Structure

## Up-date from day 1

### **April – June 2013:**

- design / build test science model components (cont.)
- design and documentation of V1.0 of geospatial interoperability architecture,
- source and review of supplementary data sets
- harmonise / link supplementary data sets to the CropBase architecture.
- define geospatial standards to be adopted for capture and coding of location data (for phase-1).
- build V1.0 CropBase geo sub-system.



# CropBase/GRASP Structure

## Up-date from day 1

### **July – Sept 2013:**

- test v1.0 CropBase geo-subsystem
- data cleaning and processing
- data base loading and testing.
- Mres and PhD Student workshop.
- model integration and test-runs.
- production of first map outputs and map mash-ups.



# CropBase/GRASP Structure Up-date from day 1

## **Jul – Sept 2013:**

- Research / design /build of v 1.0 mobile data collection application (tbd)
- Phase-1 of development of quality assessment / enhancement techniques for above (tbd)
- Phase-1 development of social network proposals for crowd-sourcing (tbd?)



# Pre-requisites for above

- Recruitment of post-doctoral researcher in CFFRC to work with Didier Leibovici on open geo architecture
- Ability to align CropBase geo subsystem with GRASP and COBWEB
- Approval to proceed with internship proposal
- Recruitment and alignment of the two “geo” PhD studentships.





# Not included at this stage

- authentication and security components
- data catalogue
- automated ontology alignment
- GEOSS publishing
- licensing
- and .....