E-AGRI: What needs to be done to get the project forward

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Anhui test site: set-up the system (1)

- Meteorological data must become available:
  - Locations of meteo stations and attributes
  - List of available meteo variables
  - Archive of daily meteo data (2000-2011, preferably 1990-2010)
  - Regular updates of the meteo data (daily or 10-daily)
- Crop experimental data must become available
  - Observations of sowing date and phenology
  - Observations of yield, LAI, total biomass

Anhui test site: set-up the system (2)

- Basic GIS data to be used:
  - Soil map and attributes (fallback solution FAO 1:5M)
  - Map of regions of Anhui (available)
  - Crop mask showing locations of crop types
  - Regional statistics of crop yield and area
- Crop calendar of Anhui (available)
- Setup a database system
  - ORACLE (well-tested but expensive & complicated)
  - Access (well-tested, limited to 2Gb)
  - MySQL (free, easy, but not yet well-tested: can be done in e-AGRI)

Anhui test site: EC deliverables

- Anhui usability report: Inventory of usability of CGMS for Anhui:
  1. Inventory of available data sources and their suitability for applying CGMS
  2. *Inventory of factors explaining regional yield variability in Anhui: irrigation, fertilizer, disease, lodging (hard wind)*
  3. Inventory of technical constraints, e.g. is ORACLE available/usable for AIFER to work with

Moroccan test site: set up the system

- Meteorological data must become available:
  - Classical interpolation approach OR
  - AURELHY approach (only 10-daily temp, rain)
  - Archive of weather data (1990-2010)
  - Daily or 10-daily updates of weather data
- Crop experimental data must become available
  - Observations of sowing date and phenology
  - Observations of yield, LAI, total biomass

Moroccan test site: set-up the system (2)

- Basic GIS data to be used:
  - Soil map and attributes (Available EU 1:1M)
  - Administrative regions of Morocco (available)
  - Crop mask showing locations of crop types
  - Regional statistics of crop yield and area
- Crop calendar of Morocco
- Setup a database system
  - ORACLE (well-tested but expensive & complicated)
  - Access (well-tested, limited to 2Gb)
  - MySQL (free, easy, but not yet well-tested: can be done in e-AGRI)

Moroccan test site: EC deliverables

- Morocco usability report: Inventory of usability of CGMS for Morocco:
  1. Inventory of available data sources and their suitability for applying CGMS
  2. *Inventory of factors explaining regional yield variability in Morocco: irrigation, fertilizer, disease, heat damage*
  3. Inventory of technical constraints, e.g. is ORACLE available/usable for INRA to work with

Questions

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