Interface between farm management information system and CTIFL models
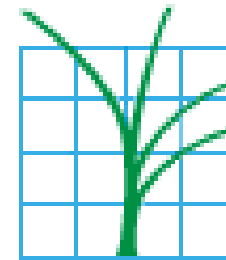
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GeoFarmatics 2010 - Cologne

Inoki

- Platform of DSS for protection for fruit and vegetable productions
  - Producers and advisors
  - Access to Celsius: CTIFL database for weather data
  - Archiving all DSS results

Meteo data / platform / models

- **Celsius**
  - 83 millions of information (40 000 data validated per day)
  - 140 active weather stations (total: 200)
  - 60 different owners
  - 7 manufacturers of different types of weather stations
- **Inoki**
  - 14 online DSS
  - 180 users
  - 1600 fields
- **CTIFL models**
  - Collaboration with 20 organisations
  - 24 models under study
  - 3 prototypes
  - 7 models in phase 1 test
  - 5 models in phase 2 test
  - 4 DSS validated (1 model + 3 cold needs computation))

Prerequisites

- Creation of farms and fields (identification of farms by their national SIRET number)
- One DAPLOS record = on file = on field (extracted from the FMIS)

How it works?

- **Running the system**
  - Send to inoki_gieea@ctifl.fr the above DAPLOS file (Subject: GIEEA)
  - Identification of farms: SIRET
  - Identification of fields by their names
  - Results of DSS are sent back by mail to the address of the request sender

- **Controls**
  - mail subject
  - SIRET and name of field
  - no control of planting date
  - crop (to address the corresponding risk calculation model)

Ctifl

Processing

- **Results**
  - risk index
  - number of days before the next risk period arises
  - weather data used

Remarks

- Till now, no observation necessary

- When necessary, use of the AgroOBS message