



The Use of Remote Sensing and Agrometeorological Modelling for Agricultural Damage Assessment in support of the Belgian Disaster Fund

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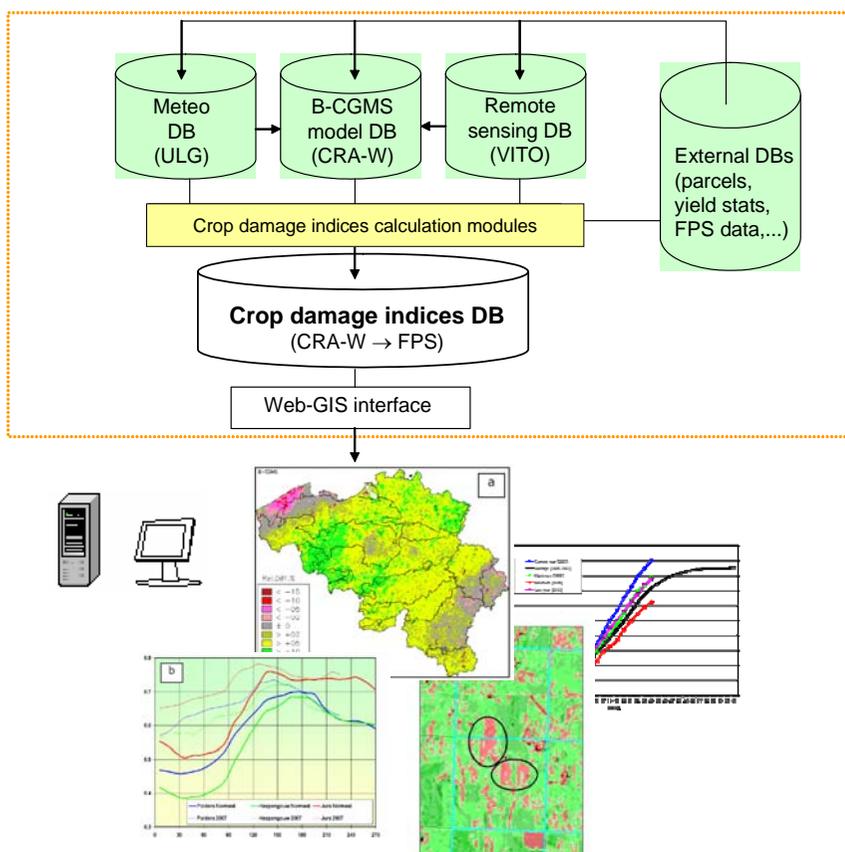
Objectives

- To develop a **user-defined information system for agricultural damage and risk assessment** based on **remote sensing and agrometeorological modelling** in support of the management of the **Disaster Fund**
 - To reduce the time needed for disaster assessment
 - To facilitate the eligibility of the compensation demands
 - To ensure uniformity in claims treatment and in estimate of losses
 - To reduce payment delay
- In a broader context, the system could be used by the Flemish and Walloon authorities, the farmers organizations and the insurance sector to set-up an (index-based) **agricultural insurance system** – obliged by 1 January 2010 by European Regulation.



Methodology

Information system for crop damage and risk assessment



1. Analysis of user needs & study of existing products/services
2. Selection of crop damage indices
3. Database generation
 - Regional level (Belgium) using LR/MR EO data
 - Crop monitoring
 - Risk mapping
 - Field level (Westhoek & Famenne) using B-CGMS
 - Locate & quantify crop damage due to floods / drought
 - + detailed study of HR/VHR images
4. Development of a crop damage information system (user interface)

