

P.S. - 195

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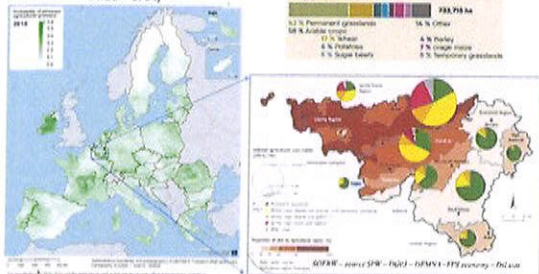
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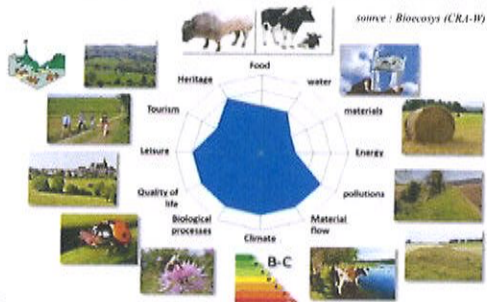
Grasslands

Permanent grasslands represent a major ecosystem in Europe (~ 30.5% of the European Utilised Agricultural Area - UAA)

In Wallonia, permanent grasslands represents in average 42% of the UAA



.... provide many different services

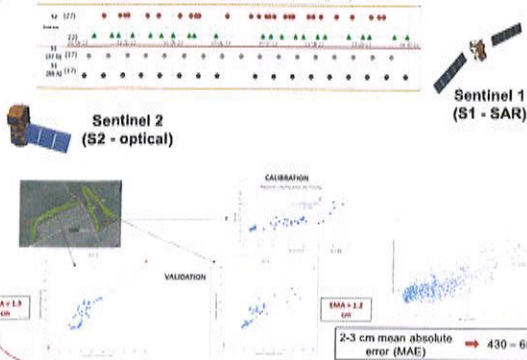


Preliminary results

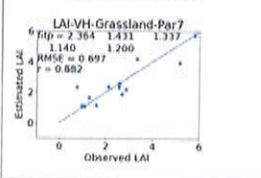
Co-construction of WALL@Herbe tool



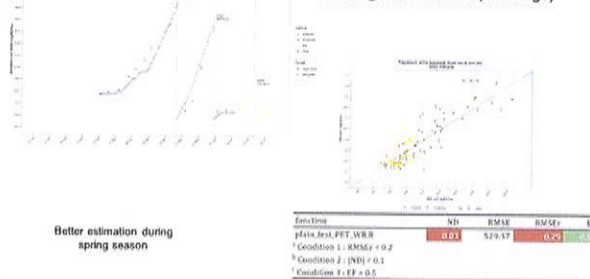
Remote Sensing (satellite images)



Water Cloud Model



Grass growth models (ModVege)



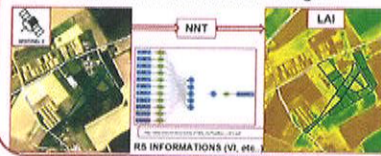
OBJECTIVES

SUNSHINE project aims at the development of a **Decision Support System (WALL@Herbe)** allowing :

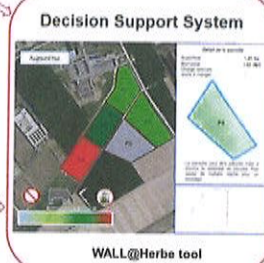


- a computerized management of mowing calendars
- an assessment, in articulation with the mowing calendars, of grassland growth (quantity/quality) and its evolution
- an improvement, on this basis, of rationing tools
- a quantification of grassland productivity losses due to extreme weather conditions (droughts)

Optical and SAR satellite images



Multi-sources approach



Partenaires



Centre wallon de Recherches agronomiques
Répondre aux questions d'aujourd'hui et relever les défis de demain
www.cra.wallonie.be

**Projet financé par le Plan de
Relance de la Wallonie**

