



# Belgian workshop Space4Food

## Programme

### Belgian workshop 'Space4Food' Expo Milano 2015 "Feeding the Planet, Energy for Life"

#### Objectives

1. Showcase Belgian scientific competences and technologies in the field of remote sensing for agriculture
2. Facilitate networking between representatives of public administrations, industry and research
3. Outline perspectives for future remote sensing based innovation and applications in agriculture

#### Programme

10h45 Welcoming words by the Ambassador of Belgium in Rome

11h Start of the sessions by chairman: Lieven Bydekerke (EUMETSAT)

11h10 A perspective on global agriculture

Technology in the service of farmers (Video presentation by Olivier De Schutter, UCL)  
Challenges to feed the world: role of satellite data for emergencies and early warnings (Inge Jonckheere, FAO)  
Space for Food Security (Pierre-Philippe Mathieu, ESA)  
Using remote sensing for detecting the global impact of climate extremes on vegetation and improving drought monitoring programs (Nico Verhoest, UGent)

12h20 Agriculture on a continental and regional level

Global mapping of crop area in support to food security analysis using "free and open" high resolution satellite imagery (Guido Lemoine, European Commission, Joint Research Centre)  
The use of remote sensing data to monitor the impact of agricultural intensification at global scale (Sven Gilliams, VITO)  
Regional crop and irrigation monitoring: some examples of (new) opportunities (Joost Wellens, ULg)

13h20 Lunch



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### 15h00 Agriculture on a field level

Why tonight will change agriculture monitoring in the world? From JECAM to BELCAM initiatives in preparation to Sentinel-2 (Pierre Defourny, UCL)  
IPOT, Industrial Potato monitoring for the Belgian potato sector (Romain Cools, BELGAPOM)  
Agro-ecosystems mapping by low cost photogrammetry, based on Unmanned Aerial Vehicles (UAV) (Dries Raeymaekers, USENSE)

### 16h Coffee Break

### 16h15 Precision agriculture

Beyond data and maps. Decision Agriculture! (Vincent Tigny, GIM)  
Remote monitoring of orchards: possibilities and limitations (Laurent Tits, KULeuven)  
Soil moisture mapping using ground-penetrating radar as a pillar to sustainable and optimal environmental and agricultural management (Sébastien Lambot, UCL)

### 17h15 Panel discussion

Remote sensing in support of tomorrow's agriculture  
*How can research and technology developments meet users' expectations?*

Moderator: Lieven Bydekerke (EUMETSAT)

Composition:

Peter de Drij (Droneport)  
Sarah Garré (Agriculture is Life)  
Inge Jonckheere (FAO)  
Guido Lemoine (European Commission, Joint Research Centre)  
Pierre-Philippe Mathieu (ESA)  
Koen Mertens (ILVO)  
Guy Paternoster (Fevia)  
Sébastien Weykmans (SCAM)

### 17h55 Closing remarks by BELSPO

### 18h Reception