



# Belgian Earth Observation Day 2018

January 30th 2018, Beersel- Belgium

## PROGRAMME

- 8:30 Registration and welcome coffee
- 9:15 Workshop Opening
- 9:20 First session: Thematic projects - Introduction and first results
- 9:20 ECOPROPHET - Improved Ecosystem Productivity Modeling by Innovative Algorithms and Remotely Sensed Phenology Indicators  
*Manuela Balzoro*
- 9:35 HYPERMAQ - Hyperspectral and multi-mission high resolution optical remote sensing of aquatic environments  
*Héloïse Lavigne*
- 9:50 MIMO - High spatial variability of Antarctic ice shelf mass balance from space and field observations  
*Frank Pattyn*
- 10:05 REACT - Remote sensing for Epidemiology in African CiTies  
*Eléonore Wolff*
- 10:20 REFORCHA - Continuous satellite-based indicators for mapping subtropical forest degradation and its environmental impacts  
*Veerle Vanacker*
- 10:35 Understanding turning points in dryland ecosystem functioning  
*Wanda De Keersmaecker*
- 10:55 Coffee break
- 11:15 Second session: Development of applications and shared cost projects
- 11:20 BEETPHEN - sugar beet phenotyping in breeding trials using UAV  
*Damien Vincke*
- 11:35 RiReMo project - operational monitoring of riparian zones in Wallonia  
*Adrien Michez*
- 11:50 EO\_REGIONS\_SCIENCE - a Basic Research in Support to EO\_Regions!  
*Anne Orban*
- 12:05 SMARTPOP - Earth observation and geospatial modeling for sustainable urban planning  
*Benjamin Beaumont*
- 12:20 IFAD-WRMF - Remote sensing for index insurance in Senegal. Findings and lessons learned for smallholder agriculture  
*Laurent Tits*
- 12:35 Lunch



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## 14:00 Terrascope - The Belgian Ground Segment

14:00 Sentinel data on steroids: Terrascope  
*Steven Bogaert, Dennis Clarijs*

## 14:30 Third session: Introduction to small projects selected in 2017

14:30 GARMON - The Garden Monitor - mapping and characterizing gardens using remote sensing  
*Jozefien Hermy*

14:38 3D-FOREST - Novel in-situ 3D forest structure and biomass estimates to validate air/spaceborne products  
*Kim Calders*

14:46 BELHARMONY - Harmonization of multi-mission high resolution time series: application to BELAIR  
*Sindy Sterckx*

14:54 Geometry in the mix - Geometric methods for non-linear spectral unmixing  
*Paul Scheunders*

15:02 MODUS - A Multi-sensOr approach to characterize ground Displacements in Urban Sprawling contexts  
*Antoine Dille*

## 15:10 Coffee break

## 15:30 Continuation of third session

15:30 MULTI-SYNC - Multi-Scale Synergy products for Advanced Coastal Water Quality Monitoring  
*Dimitry Van der Zande*

15:38 RS4MODY - Remote Sensing Data for Investigating the Morphodynamics of the Belgian Multi-barred Macro-tidal Beach  
*Anne-Lise Montreuil*

15:46 SNOPOST - Bayesian snow estimation under a vegetation gradient using SnowEx remote sensing data  
*Gabrielle De Lannoy*

15:54 UAVSOIL - UAV borne spectrometers for high resolution soil and crop monitoring  
*Bas van Wesemael*

## 16:00 The STEREO programme: new call for proposals

## 16:25 Closing of the Workshop