

# Belgian Earth Observation Day 2016

December 8th 2016, Saintes - Belgium

## PROGRAMME

8:30 **Registration and welcome coffee**

9:15 **Workshop Opening**

9:20 LUMOS: Unlocking STEREO's algorithms with QGIS plugins  
*Ann Crabbé, KUL*

9:40 **First session: Thematic projects - mid-term presentations**

9:40 BELCAM: Sentinels exploitation to support Belgian farmers thanks to a collaborative platform  
*Cindy Delloye - UCL*

9:55 HIWET: High-resolution modelling and monitoring of water and energy transfers in wetland ecosystems  
*Boud Verbeiren, VUB*

10:10 HYDRAS +: Assimilating multi-source remote sensing data into large-scale land surface models for improved drought monitoring  
*Dominik Rains, UGent*

10:25 HYPERCITY: Air quality biomonitoring in cities: a hyperspectral approach  
*Jolien Verhelst, UA*

10:40 **Coffee break**

11:05 **Continuation of first session - mid-term presentations**

11:05 MAUPP: Mapping and modelling urban patterns in sub-Saharan Africa through remote sensing and data fusion  
*Catherine Linard, ULB*

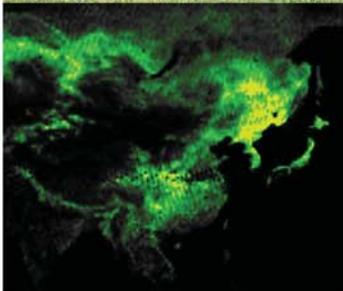
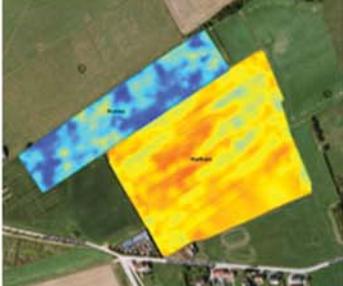
11:20 RESIST: Remote sensing and In situ detection and tracking of geohazards  
*Benoît Smets, Africamuseum*

11:35 SAT-EX: Sensing the impact of global climate and climate extremes on vegetation  
*Diego Miralles, UGent*

11:50 URBANEARS: Urban ecosystem analysis supported by remote sensing  
*Ben Somers, KUL*

12:05 IPOT: An innovative platform for the Belgian potato sector  
*Yannick Curnel - CRA-W*

12:20 **Lunch**



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## 13:40 Keynote

13:40 Big data analytics for Earth observation: what are the opportunities?  
*Jon Blower, University of Reading*

## 14:05 Second session: First results of small projects

14:05 HYPERTEMP: Multitemporal monitoring of fruit orchard vitality with multisensor Belair data  
*Stephanie Delalieux, VITO*

14:10 INPLANT: Plant optical types to predict ecosystem impacts of plant invasions  
*Ben Somers, KUL*

14:15 HYPI: Assessment of isoprene emission by hyperspectral data  
*Manuela Balzarolo, UA*

14:20 MAMA-FOREST: Mapping mangrove forests with optical and radar environmental satellites  
*Viviana Otero, ULB*

14:25 MUZUBI: Multi zone phase unwrapping using advanced split band interferometry  
*Dominique Derauw, ULg*

14:30 PONDER: Aquatic applications of very high resolution imagery from the Pléiades constellation  
*Quinten Vanhellemont, RBINS*

14:35 PROBA4COAST: Coastal turbidity monitoring with Proba-V  
*Els Knaeps, VITO*

14:40 PROSOIL: Soil organic carbon prediction in croplands by airborne APEX images using LUCAS topsoil database  
*Fabio Castaldi, UCL*

14:45 RAPAS: Close range aerial sensing of soils for improved remote sensing products  
*Sébastien Lambot, UCL*

14:50 STR3S: Can satellite-observed fluorescence be used to map transpiration?  
*Diego Miralles, UGent*

## 14:55 Coffee break

## 15:20 Third session: Development of applications projects and shared cost projects

15:35 BUMBA: Belgian urban NO<sub>2</sub> monitoring based on APEX hyperspectral data

15:50 DRONESED: Drone-based sediment mapping for dredging operations  
*Dries Raymaekers, VITO*

16:05 DIARS: Mapping, modelling and assessing the impact of invasive plant species on ecosystems through remote sensing  
*Ruben Van de Kerchove, VITO*

16:20 The STEREO programme: the latest news

## 16:35 Closing