

GENERAL INFORMATION

Location of the venue

The meeting will take place in the Hostellerie Abdijhoeve, Markstraat 1, 8460 Oudenburg. The Abdijhoeve is located at the border of the village Oudenburg, just a few kilometers from Ostend in a rural setting.



How to get there

By car:

Coming from Brussels over Highway E40, take exit nr. 5B "Oudenburg" and go straight left in the Stationsstraat in the direction of Oudenburg. Take the second street on the left (still named Stationsstraat). After another 800 m you find the Abdijhoeve.



By public transportation:

Take the train to the station of Ostend. There, a shuttle service will be made available. You can register for this shuttle service via our online web form (see below).

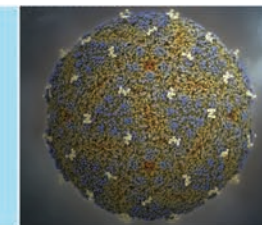
REGISTRATION

Participants must register before May 19th as the number of participants is limited. Participation is free of charge.

You can register through our online registration form: <http://eo.belspo.be/ExpertZone>

For more information, please contact: Chantal Oudaert
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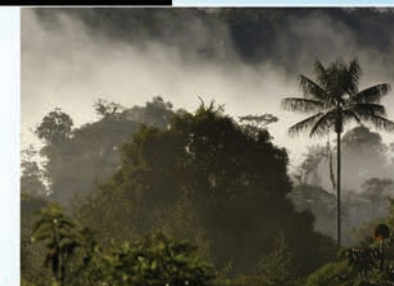
Participants wanting to stay overnight can book a room at the Abdijhoeve (the number of rooms is limited).



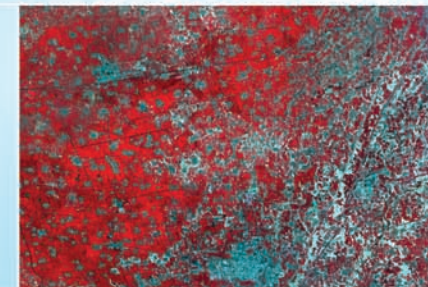
Invitation



Belgian Earth Observation Day



May 25, 2011
Oudenburg,
Belgium



INTRODUCTION

In the year 2001, the Belgian Government launched the programme "STEREO: Support to the exploitation and research of earth observation data". Since the launch of the programme annual meetings have been organised intended as a forum where the Belgian players in the field of remote sensing could meet, present and discuss their work.

The main goal of the Belgian Earth Observation Day is to make professionals and researchers concerned by remote sensing aware of the projects realized in Belgium in the framework of the STEREO II programme and to offer the possibility for networking.

STEREO II

Support to Exploitation and Research in Earth Observation

The STEREO II programme aims at putting Belgium on the map as a centre of expertise in a number of remote sensing areas and to establish the use of remote sensing as a common technique in the greatest possible number of research and application fields.

Scientific research

Research focuses on following topics:

- Global monitoring of vegetation and changes in large terrestrial ecosystems
- Environmental management (water, soil, forests, agriculture, coastal areas, urban areas and suburban areas)
- Health and humanitarian aid
- Security and risk management

Three types of projects are financed: large thematic networks, smaller satellite projects and development of products and services.

Exploitation

STEREO II puts a lot of emphasis on the promotion of its scientific results and of remote sensing as a whole. The Earth Observation HelpDesk is the hub of this activity. Its website (<http://eo.belspo.be>) is both a user-friendly tool for the teams involved in the programme and an open door to the general public and international scientific community.

The Proba-V Preparatory Programme

For over 12 years, the VEGETATION instruments aboard SPOT 4 and 5 have monitored and mapped vegetation worldwide on a daily basis. PROBA-V has been designed as a continuity mission to the SPOT VEGETATION series, but has nevertheless some different characteristics, either through the technology used to collect data or through the enhancements in spatial resolution.

The main objectives of the PROBA-V Preparatory Programme therefore are:

- to get future users acquainted with these new data sets and their full characteristics and quality,
- to prepare the full exploitation of PROBA-V data sets with respect to the technical enhancements which are planned (spatial resolution in particular).

PRELIMINARY PROGRAMME

8:30 Registration

9:00 Conference Opening

Dr. Philippe Meffens
Chairman of the Board of Directors of the Belgian Science Policy Office

9:10 Keynote

Global monitoring of Terrestrial ecosystem: challenges and opportunities
Dr. Jadu Dash, University of Southampton

9:40 First session: Final results of thematic projects - call 2006

Optical remote sensing of marine and inland waters (BELCOLOUR-2)
by K. Ruddick, R. Astoreca, A. Borges, A. Dekker, A. Dogliotti, D. Doxaran, J. Harlay, E. Knaeps, C. Lancelot, B. Nechad, G. Neukermans, Y. Park, D. Raymaekers, V. Rousseau, T. Schroeder, S. Sterckx, C. Tote, Q. Vanhellemont

EPITIS - Developing space-time information systems for Epidemiology: The example of foot and mouth disease contact risk maps
by S. Vanhuyse, G. Hendrickx, E. Wolff

10:40 Coffee break

11:00 GLOBAM outcomes bridging the gap between agriculture monitoring and crop modeling at regional scale
by P. Defourny, B. Tychon, F. Meulenberghs, A. de Wit, I. Piccard, D. Bakary, L. Amani, G. Sepulcre Canto, J. Delrue, D. Qinghan, M. Massart, Y. Curnel, G. Duveiller, E. Bériaux

From hyperspectral images to Natura 2000 habitat patch and quality indicator maps: results from the HABISTAT project
by B. Haest, J. Vanden Borre, T. Spanhove, G. Thoonen, S. Delalleux, L. Kooistra, A. Schmidt, Jianglin Ma, J. Cheung-Wai Chan, F. Canters, E. Knaeps, S. Mûcher, P. Scheunders, D. Paelinckx

Measuring and modeling urban dynamics using remotely sensed data (MAMUD)
by T. Van de Voorde, O. Batelaan, M. Binard, F. Canters, Y. Cornet, G. Engelen, R. Goossens, C. Lavalie, F. Tack, J. van der Kwast, B. Verbeiren

12:30 APEX enters operations

Koen DJ Meuleman

12:45 Lunch and poster session

14:15 ProbaV: status on products quality and preparing for SPOT-Vegetation's continuity

T. Van Achteren, G. Saint

14:45 Second session: Presentations new projects - call 2009

Remote sensing data assimilation in modelling of urban dynamics
by J. van der Kwast, F. Canters, D. Karssenbergh, G. Engelen, T. Van de Voorde, I. Uljee, K. de Jong

Preparation for geostationary Ocean Colour - the GEOCOLOUR project
by K. Ruddick, G. Neukermans, A. Alvera-Azcarate, A. Barth, J.-M. Beckers, Z. Lee

High resolution merged satellite Sea surface temperature fields
by A. Alvera-Azcarate, A. Barth, M.-E. Toussaint, J.-M. Beckers

Hyperspectral-hyperspatial data fusion and unmixing techniques to tackle the spectral-spatial resolution trade-off
by S. Delalleux, B. Haest, P. Scheunders

Monitoring of large scale small holder reforestation projects for Carbon finance mechanisms
by E. Wolff, A. Sotiaux, P. Defourny, O. Ska, M. Van Geit

Processing workflows for thermal and fluorescence sensors
by D. Raymaekers, J. Biesemans, Koen DJ Meuleman, T. Udelhoven, G. Rock, U. Rasher, A. Ertler

Three dimensional soil organic carbon monitoring using VNIR reflectance spectroscopic techniques
by B. van Wesemael, A. Stevens, T. Udelhoven, L. Hoffmann, E. Ben Dor

Assessing ecological suitability for the spread of Rhipicephalus (Boophilus) microplus in West-Africa
by E.M. De Clercq, M. Madder, A. Estrada-Peña, S.O. Vanwambeke

Taking the pulse of UNESCO's tropical forest World Heritage sites
by J. Radoux, M. Hernandez, P. Defourny

Multi-temporal unmixing of mixed vegetation systems: a focus on invasive plant species monitoring
by B. Somers, L. Tits, G. Asner, E. Knaeps, P. Coppin

15:40 Coffee break and poster session

16:05 Third session: Presentations of small projects - call 2007

Remote sensing based services to monitor vegetation dynamics in Kenya: the ENDELEO tool
by F. Devriendt, J. Delrue, R. De Wulf, L. Bydekerke, C. Lambrechts, C. Situma

A multibeam opportunistic SAR system
by E. Cristofani, V. Kubica, D. Derauw, C. Barbier, X. Neyt

16:45 Closure of the workshop