

GENERAL INFORMATION

Location of the venue

The meeting will take place in the Chateau des Thermes, Rue Hauster 9, 4050 Chaudfontaine. The castle is located in enclosed grounds near the city of Liège in a rural setting.

Website: <http://www.chateaudesthermes.be/>



How to get there

By car:

Follow the E40 motorway and take the exit onto A602/E25 towards Liège/Luxembourg. Continue onto the E25. Take exit 39-Chênée towards Chaudfontaine.

Turn right on the Boulevard de l'Ourthe. Turn right again at Rue des Grands Prés. Turn left and cross the river on the Rue Hauster, after approx. 2km.

The Chateau des Thermes is the first building on the right.



By public transportation:

Take the train until the station of Liège. 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 April 30th as the number of participants is limited. Participation is free of charge.

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

For more information, please contact:

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Participants wanting to stay overnight can book a room at the Chateau (the number of rooms is limited). The use of the thermal swimming pool is free for guests of the Chateau.

Invitation

Belgian Earth Observation Day

May 6, 2010
Chaudfontaine,
Belgium

BELGIAN SCIENCE POLICY

INTRODUCTION

In 2001 year, 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. An invited international speaker will open the morning session with a presentation, and in the afternoon special attention will be giving to 2 remote sensing missions with a strong Belgian involvement: PROBA-V and APEX.

STEREO II

Support to Exploitation and Research in Earth Observation

The objective goal of this programme is to develop an autonomous Belgian earth observation expertise of international level as a contribution to its knowledge economy. The first call for scientific proposals of the programme took place in 2006. The results of finished and ongoing projects are presented.

Scientific research

Research focusses 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, spin-off and innovation 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.

PRELIMINARY PROGRAMME

8:45 Registration

9:15 Conference Opening

- 9:20 Monitoring of tropical forests using Earth Observation data: the TREES project of the JRC and the perspective of the REDD item of the UNFCCC (**Achard F.**)

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

- 9:40 Remote Sensing for Characterization of Intertidal Sediments and Microphytobenthic Algae (Adam S., Dasseville R., De Wever A., Forster R., Ibrahim E., **Monbaliu J.**, **Sabbe K.**, van der Wal D.)
- 10:00 Monitoring of volcanic activity in the Virunga Province (N-Kivu, DRC): experience of the GORISK project and illustration with the Nyamulagira January 2010 eruption (**Kervyn F.**, d'Oreye N., Smets B., van Overbeke A., Wauthier C., Tedesco D., Kies A., Mitangala P., Badriyo I., Karume K., Kavotha D., Bagalwa M., Yalire M., Lukaya F., Osodundu E.)
- 10:20 WWW Earth Observation products for FAO operational locust habitat monitoring and GIEWS agriculture monitoring (**S. Bontemps** (UCL), J.-F. Pekel (UCL), E. Van Bogaert (UCL), B. Smets (VITO), K. Cressman (FAO) and P. Defourny (UCL))

10:40 Coffee break

11:00 Second session: Presentations of new thematic projects - call 2008

- 11:00 Tropical Forests Carbon Dynamics using 10-y SPOT-VEGETATION Time Series and Land-Surface Modelling (**Defourny P.**, Verbeeck H., Steppe K., De Weirath M., Peylin P., Moreau I., Hanert E.)
- 11:15 HYPERFOREST - Advanced airborne hyperspectral remote sensing to support forest management (**Van der Zande D.**, Verstraeten W.W., Knaeps E., Udelhoven T., Van Coillie F., Vandekerckhove K., Morsdorf F., Schaepman M., De Wulf R., Coppin P., Devriendt F., Delalieux S., Raymaekers D.)
- 11:30 Remote sensing of the forest transition and its ecosystem impacts in mountain environments (FOMO) (**Balthazar V.**, Hall J., Hostert P., Lambin E., Vanacker V., Vanonckelen S., Van Rompaey A.)
- 11:45 BIOHYPE: Biomonitoring of urban habitat quality with airborne hyperspectral observations (**Van Wittenbergh S.**, Veroustraete F., Valcke R., Moreno J., **Samson R.**)
- 12:00 Remote sensing and GIS to study anthropogenic and physical landscape dynamics in large fluvial systems (**De Laet V.**, Verstraeten G., Goossens R., Willems H., Hanssen R.F.)

12:25 Presentation of posters

12:55 Lunch and poster session

- 14:25 Toward the continuity of SPOT Vegetation: the ESA PROBA-V Mission (**Mellab K.**, Zender J., Stefano S., Duca R.)
- 14:40 APEX Status: Instrument Performance, Operations and Product Generation (**Meuleman K.**, Bomans B., Vreys K., Kempenaers S., Deroose T., Biesemans J., Hueni A., Alberti A., Dell'Endice F., D'odorico P., Schaepman M.)

14:55 Third session: Presentations of ongoing projects - call 2007

- 14:55 The human factor in remote sensing: first results (**Gardin S.**, Van Laere S., Van Coillie F., Anseel F., Duyck W., De Wulf R.)
- 15:10 New Improvements in Population Estimate using Remote Sensing Techniques (**Sotiaux A.**, De Maeyer M., Wolff E., Lohle-Tart L., Lambert A., **Hansen H.**, Taupin S., Bonino E.)
- 15:25 Improving epidemiological modelling using satellite derived soil moisture proxies (**Peters J.**, De Baets B., Van donick J., Verhoest N., Pizurica A., Sidharta G., Ducheyne E., De Clercq E., Hendrickx G.)

15:40 Coffee break and poster session

- 16:10 Monitoring Inland Waters with the Apex Sensor (**Knaeps E.**, Raymaekers D., Sterckx S., Odermatt D.)
- 16:25 Integration of optical and acoustic remote sensing data over the backshore-foreshore-nearshore continuum, case study in Oostende (Bertels L., Houthuys R., **Janssens R.**)
- 16:40 The Use of Remote Sensing and Agrometeorological Modelling for Agricultural Damage Assessment in support of the Belgian Calamity Fund (Piccard I., **Marlier C.**)

17:00 Closure of the workshop