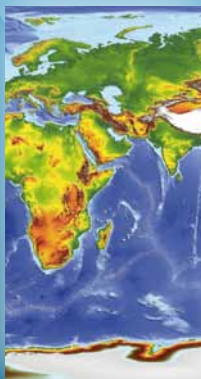


Zoom on Earth

Earth Observation Instruments



Image & Data Processing



Ground Applications

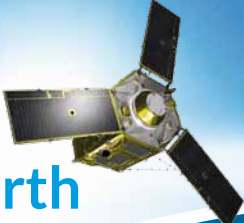


September 26th - 27th 2012 • Liège - Belgium

Workshops – B2B Meetings – Exhibition

Round Tables with

International Keynote Speakers



Zoom on Earth

WALLONIE SPACE
is proud to organize
the 4th edition of their Space Days
with Top International Speakers.

The 2012 theme is dedicated to Earth Observation, with emphasis on instrumentation, data & image processing and ground applications.

The next coming Space programme orientations in Europe (2012 ESA Ministerial Council, GMES...), new challenges related to climate changes, monitoring and management of natural disasters and Earth resources along with budget constraints require adequate technology solutions to be provided by the Space industry in collaboration with researchers and scientists.

In order to offer a quick and accurate overview of the latest trends in this strategic field of the space market, SPACE DAYS 2012 offers you the opportunity to meet key players and re-noun experts active in present and future Earth observation programmes.





WALLONIE ESPACE is a professional association of industries, universities, laboratories involved in space research and development in Wallonia and in Brussels. The members are actively demonstrating expertise and excellence in space systems, services, applications, spin-offs.

WALLONIE ESPACE is a member of SKYWIN, the Aerospace Cluster of the Walloon Region of Belgium.

www.wallonie-espace.be

2012 HIGHLIGHTS

- Guided tour of the Liège Space Pole (Centre Spatial de Liège - ULg, AMOS, SPACEBEL, SAMTECH, Wallonia Space Logistics) and presentation of the Belgian Space companies involved in Earth observation projects (Lambda-X, Keyobs, ...)
- Two unmissable round tables with international keynote speakers (ESA, ESRIN, CNES, DLR, ISIC, EC, Astrium, Telespazio, Thales Alenia Space, OHB) Moderator : Frédéric Castel, Aerospace & Defence Journalist
- Scientific conferences on Earth observation technologies by Wallonie Espace members and European guest speakers (CNES, Thales Alenia Space, Astrium, Belgian Science Policy Office, ...)
- B2B meetings with partners of the international Space community
- Space village and exhibition
- Social Event enhanced by the presence of NASA and ESA astronauts and space agency representatives



INDUSTRY DAY 1 - 26 SEP 2012

- 13:00 – 14:00 • Pre-registration at the Jala Hotel
(downtown Liège)
- 14:00 – 18:00 • **Guided tour** of major local Space companies
involved in Earth Observation projects
- 18:30 – 20:00 • **Social Event** : Cocktail at the prestigious
Prince Bishop Palace in the city centre



GRAMME

INDUSTRY DAY 2 - 27 SEP 2012

- 08:30 – 09:00 • Registration and morning coffee at the University of Liège
- 09:00 – 09:30 • **Welcoming speeches** by the Minister of the Belgian Science Policy, Wallonie Espace and Skywin officials
- 09:30 – 09:45 • Presentation of the Liège Space Research Institute & the Space Centre of Liège
- 09:45 – 10:30 • **Round Table I : Earth Observation Data Access, The Future of GMES**
- Jean-Paul Malingreau - EC
 - Corinne Mailles - TELESPIAZIO
 - Josef Aschbacher - ESA
 - Roberto Aceti - OHB
 - Marc Tondriaux - ASTRIUM
 - Reynald Seznec - THALES ALLENIA SPACE
- 10:30 – 11:00 • Coffee break
- 11:00 – 12:00 • **Round Table II: Earth Observation, A Strategic Vision for Europe, What About Small Missions ?**
- Jean-Jacques Dordain - ESA
 - Thierry Duquesne - CNES
 - Stephen Briggs - ESA
 - Helmut Suess - DLR
 - Barbara Ghinelli - ISIC
- 12:00 – 13:00 • Walking dinner
- 12:30 – 16:00 • B2B Meetings
- 13:00 – 17:00 • Workshops
- 17:00 – 17:30 • Closing drink

INSTRUMENTS

- **13:00-13:30 : Etienne Renotte - CENTRE SPATIAL DE LIÈGE** : Calibrating Earth observation sensors : An overview of CSL's activities
- **13:30-14:00 : Dr Olivier Dupont - LAMBDA-X**
Unmanned aerial vehicle payload with ultra-light optics for Earth observation
- **14:00-14:30 : Dominique Baudoux - SPACEBEL & Vincent Moreau - AMOS** : An innovative HS instrument for microsatellite based Earth observation mission
- **14:30-15:00 : Luc Frecon - THALES ALENIA SPACE**
Pleiades instrument
- **15:00-15:30 : Dr Didier Fussen - BELGIAN INSTITUTE FOR SPACE AERONOMY** : ALTIUS Atmospheric Limb Tracker for the Investigation of the Upcoming Stratosphere
- **15:30-16:00 : Vincent Chorvalli - ASTRUM**
Sentinel2 MSI instrument
- **16:00-16:30 : Caroline Veys - LMS Samtech & Christophe Delrez - AMOS** : SAMCEF modeling and simulation capabilities for observation instruments
- **16:30-17:00 : Joost Vandenabeele - BELSPO**
Zooming in on planet Earth

DATA & IMAGE PROCESSING

- **13:00-13:30 : Dr Christian Barbier - CENTRE SPATIAL DE LIÈGE** : Advanced SAR image processing techniques
- **13:30-14:00 : Frédérick Lupo - SPACEBEL** : Demonstration of remote sensing services based on hyperspectral data
- **14:00-14:30 : Michal Shimoni - ERM** : Advanced image processing methods for hyperspectral
- **14:30-15:00 : Dr Alessandro Burini - RHEA SYSTEMS**
Spaceborne radar sensor for environmental security : floods monitoring, vessels tracking and oil spill detection

KSHOPS

- **15:00-15:30 : Bart Deronde - VITO** : Global land image processing centre
- **15:30-16:00 : Didier Rigal - GEO-INFORMATION SERVICES – ASTRIUM SERVICES** : A successful partnership between Astrium and AFD for establishing a spatial observatory of tropical forest over Congo basin

GROUND APPLICATIONS

- **13:00-13:30 : Pierre Defourny - UCL** : Global land cover monitoring : 10 years experience to deliver the most detailed map of the world from multi-year multi-sensor observations
- **13:30-14:00 : Philippe Ledent - SPACEBEL** : Serving forestry with space-based information
- **14:00-14:30 : Lauriane Cayet - WALPHOT**
EO4REDD - Earth observation for reducing emissions from deforestation and forest degradation
- **14:30-15:00 : Herbert Hansen - KEYOBS** : Mapping Mediterranean wetlands from space, a project of the Ramsar convention
- **15:00-15:30 : Joost Vandenabeele & Peter Van Geloven - BELSPO** : How can Earth observation keep Belgium green ?
- **15:30-16:00 : Pierre Coheur - ULB - Atmospheric Spectroscopy, Quantum Chemistry and Photophysics**
Atmospheric chemistry with hyperspectral infrared sounders : illustration from IASI Mission
- **16:00-16:30 : Lieven Bydekerke - VITO**
Space applications for food security and agriculture



PRACTICAL INFORMATION

DATE

September 26th 2012 - PM
September 27th 2012



VENUE (27 SEP 2012)

Campus of the University of Liège
Amphithéâtre de l'Europe-ULg
Boulevard du Rectorat 13
Sart-Tilman
B-4000 Liège (Belgium)

An access map is available on: www.space-days.com

REGISTRATION

Registration in advance is mandatory.
Please register at : www.space-days.com

- Early Bird Rate : 100 €* (until 10 Aug 2012)
- Full Rate : 150 €* (after 10 Aug 2012)
- Free for students & researchers

**VAT included.*

ACCOMMODATION

The organisers have negotiated special rates at the Jala hotel located in the centre of Liège.
See our website for further details.

B2B MEETINGS

See our website for more information.

CONFERENCE ADMINISTRATION

c/o NC Communication
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www.space-days.com