

# Integrated Applications

## Space Data and Information Society

European Space Agency's Integrated Application Promotion Programme and Tekes are organising a seminar at the **Finnish Meteorological Institute – Brainstorm auditorium** – on **September 26, 2013**. As IAP ambassador platforms, BSAG and Geowise Oy will take care of the overall arrangements.

The IAP - Integrated Application Promotion - programme aims at developing and promoting applications and services using space assets, like telecommunication, earth observation, navigation and human space flight technologies. Integrating space data with terrestrial systems, bring up a whole new sphere of business potential and innovation. To secure the sustainable services, a close cooperation with end users, solutions and service providers, as well as major stakeholders is essential.

The seminar discusses new potential applications and services and serves as a networking platform for establishing new contacts, creating new ideas and building up matching consortium for new business opportunities. Three major themes will be presented; smart traffic, forest and electricity grid. The sessions will include perspectives from research, enterprise and end users.

### Programme

**Chairman of the morning sessions – Antti Jokinen, BSAG, APBSR**

9.00 – 9.05 Welcoming words – **Antti Tyrväinen, Advisor, Space affairs, Tekes**

9.05 – 9.25 Earth Observation Activities at FMI and the Development of National Satellite Data Center – **Jouni Pulliainen, Head of Unit, Professor, Finnish Meteorological Institute**

9.25 – 10.00 ESA IAP – Opportunities & Expectations – **Tony Sephton, Dr., Head of Awareness Activities section, Integrated Applications, ESA & Beatrice Barresi, ESA**

10.00 – 10.20 Maritime emission monitoring – Demonstrable Feasibility and Innovative Applications – **Tapani Stipa, Finnish Meteorological Institute & The Baltic Institute of Finland**

10.20 – 10.40 Space for Maritime security – Prospects and cooperation possibilities for a Baltic demonstration project – **Robin Berglund, Senior Scientist, VTT Technical Research Centre of Finland**

10.40 – 11.00 Real-time water quality monitoring – Case for a cross-border demonstration project – **Anita Etholén, Finnish Environment Institute**

11.00 Networking break – coffee & tea

11.20 – 11.40 Optimisation of multimodal transport chain in the Nordic perspective – **Esa Hämäläinen, Professor, UTU / Merikotka**

11.40 – 12.00 Data needs in contemporary transport planning and smart traffic applications – **Tomi Laine, Partner, Strafica Oy**

12.00 – 12.20 Intelligent Transportation Systems – HERE for ITS and consumers – **Mika Rytönen, Director, Nokia Oyj**

12.20 – 12.30 Open discussions

12.30 – 13.15 Lunch break

**Chairman of the afternoon sessions – Miranda Saarentaus, Geowise, APFin**

13.15 – 13.35 Centre of Excellence in Laser Scanning Research in relation to IAP – **Juha Hyypä, Dr., Finnish Geodetic Institute**

13.35 – 13.55 WoodForce and LogForce – new approach for forest harvesting and transportation – **Timo Mulju, CTO, Fifth Element Oy**

13.55 – 14.15 Combining Airborne Laser Scanning and satellite imagery in forest measurement – **Vesa Leppänen, Space Business Manager, Arbonaut Oy**

14.15 – 14.35 Possibilities and challenges in Forestry – **Olli Leino, Development Manager, Metsä Group**

14.35 – 14.45 Open discussions

14.45 Networking break – coffee & tea

15.00 – 15.20 Electricity – Management of blackouts, challenges and possibilities – **Pekka Verho, Professor, Tampere University of Technology**

15.20 – 15.40 Distribution challenges in major storms – **Jörgen Dahlqvist, Head of Network Operations, Fortum**

15.40 – 16.00 Distribution network maintenance: Aerial photography and laser scanning – **Jukka Rajala, Maintenance engineer, Elenia Oy**

16.00 – 16.15 Open discussions and closing words

The seminar will be in English starting with coffee & refreshments at 8.30.

Registration by September 16, 2013 to [anni.salminen@geowise.fi](mailto:anni.salminen@geowise.fi).

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