

AIRBORNE IMAGING SPECTROSCOPY WORKSHOP

8 October 2004 – Bruges, Belgium

PROGRAMME

- 9.00 Registration
- 9.30 Welcome and introduction
(Belgian Science Policy Office, Belgium)
- 9.50 Environmental case studies as monitored by imaging spectroscopy technology in Israel
(Eyal Ben-Dor, Tel-Aviv University, Israel)
- 10.10 Mapping active fault-induced changes in soil and vegetation. Roer Graben (Belgium)
(Philippe Trefois, Africamuseum, Belgium)
- 10.25 Mapping mine waste using SWIR imaging spectrometry data
(Claire Fleming, British Geological Survey, United Kingdom)
- 10.40 Coffee break
- 11.10 ESA's new land product: the MERIS terrestrial chlorophyll index
(Paul J. Curran, University of Southampton, United Kingdom)
- 11.30 Hyperspectral-based characterization of grassland for the control of agri-environmental measures
(Dominique Buffet, Walloon Agricultural Research Centre, Belgium)
- 11.45 Airborne hyperspectral measurements and superficial soil organic matter
(Souleymane Touré, University of Liège, Belgium)
- 12.00 Can hyperspectral techniques improve estimates on carbon stocks in agricultural soils?
(Antoine Stevens, University of Louvain-la-Neuve, Belgium)
- 12.15 Lunch
- 14.00 Stress detection in crops with hyperspectral remote sensing and physical simulation models
(Pablo J. Zarco-Tejada, Institute for Sustainable Agriculture, Higher Research Council, Spain)
- 14.20 Upscaling of spectroradiometer data for stress detection in orchards with remote sensing
(Pieter Kempeneers, Flemish Institute for Technological Research, Belgium)
- 14.35 Estimation of physico-chemical properties of exposed upland peat from HyMap spectra
(Julia McMorrough, University of Manchester, United Kingdom)
- 14.50 Use of CASI data for supporting the classification of agricultural land and semi-natural vegetation in Wales using multi-temporal Landsat ETM+ data
(Aled Rowlands, University of Wales, United Kingdom)
- 15.05 Coffee break
- 15.35 Estimation of evapotranspiration by application of the SEBAL methodology for the Doode Bemde Wetland, Belgium
(Okke Batelaan, Free University of Brussels, Belgium)
- 15.50 Sediment characterization in the estuary of the Yzer using an empirical orthogonal function: application to CASI
(Stefanie Adam, University of Leuven, Belgium)
- 16.05 A hyperspectral view of the North Sea
(Sindy Sterckx, Flemish Institute for Technological Research, Belgium)
- 16.20 Compact High Resolution Imaging Spectrometer (CHRIS): the future of hyperspectral satellite sensors
(Barbara Van Mol, MUMM, Belgium)
- 16.35 Imaging spectroscopy in the United States
(Ian McCubbin, Jet Propulsion Laboratory, United States)
- 16.55 Conclusions
- 17.05 Cocktail reception

