

# AIRBORNE IMAGING SPECTROSCOPY WORKSHOP

7 October 2005 – Bruges, Belgium

## PROGRAMME

- 9.00 Registration
- 9.30 Welcome and introduction  
*Joost Vandenaabeele (Belgian Science Policy Office)*
- 9.40 Hyperspectral Technology for Best Practice Mine Environmental Management - Dream or Reality?  
*Cindy Ong*
- 10.00 Mapping Mine Waste within the Rheidol Valley  
*Philippe Trefois and Claire Fleming*
- 10.20 Intertidal Sediment Characterization using HyMAP Imagery  
*Ilse Vits, Stephanie Adam, Annelies De Backer, Steven Degraer, Bart Deronde, Rodney Forster, Chris Johannsen, Jaak Monbaliu, Koen Sabbe, Sindy Sterckx, Tom Van Engeland and Magda Vinckx*
- 10.40 Coffee break
- 11.10 Hyperspectral Retrieval of Biophysical Variables through Inversion of Radiative Transfer Models. Solving the Ill-posed Inverse Problem.  
*Clement Atzberger*
- 11.30 Hyperspectral derived Nitrogen Indicators for Maize Crop  
*Florence de Longueville, Bernard Tychon, Jean-François Ledent, Guy Foucart, Lucien Hoffmann and Souleymane Touré*
- 11.50 Analysis of the Crop Productivity - Soil Erosion Relationship using Hyperspectral Data  
*Fleur Visser, Gerard Govers, Olivier Cerdan and Timothy Quine*
- 12.10 Introduction poster session
- 12.20 Poster session and lunch
- 14.20 Vegetation Scenarios in Support of Climate Change Applications - A Scientific View of the Contribution of Imaging Spectroscopy  
*Michael Schaepman*
- 14.40 Assessing a River Floodplain Status Using Airborne Imaging Spectrometer Data and Ground Validation  
*Lammert Kooistra, Okke Batelaan, Jan Clevers, Karle Sykora, Luc Bertels, Jan Bogaert, Jan Holtland, Walter Debruyn, Michael Schaepman, Han van Dobben, Wieger Wamelink and the HyEco Group*
- 15.00 Monitoring of Vegetation Stress and Water Quality of the Sonian Forest  
*Dennis Monbaliu, Sandrine Godefroid, Ludwig Triest and Piet Boekaerts*
- 15.20 Application of Machine Learning Techniques for Ecotope Classification Based on Hyperspectral Images  
*Jonathan Cheung-Wai Chan, Luc De Bruyn, Toon Van Daele, Desiré Paelinckx, Hichem Sahli, Jo Van Valckenborgh and Joris Sanders*
- 15.40 Coffee break
- 16.10 HySAR: Man-made Object Classification using Fused Polarimetric SAR and Hyperspectral Imagery Data  
*Michal Shimoni, Dirk Borgys, Marc Acheroy and Helmut Suess*
- 16.30 Study of Wetlands using CASI Hyperspectral Images  
*Laurence Hubert-Moy*
- 16.50 Conclusions

