



4th Workshop
on Imaging Spectroscopy

"Imaging Spectroscopy.
New quality in environmental studies"

27-29 April 2005

WARSAW, Poland

Roundtable and Networking Meeting

**Imaging spectroscopy and GIS
in mining-related impact
mapping and monitoring:**

**Meeting the
environmental regulation
challenges**

**Co-organised on 28 April 2005
by the MINEO project
consortium members, DLR and**

JRC/IES



Members of the **MINEO** project consortium (Assessing and Monitoring the Environmental Impact of Mining Activities in Europe using advanced Earth Observation Techniques, www.brgm.fr/mineo), the **DLR**, German Remote Sensing Data Center and the **JRC** Institute for Environment and Sustainability, Soil and Waste Unit, are glad to invite you to attend a roundtable and networking meeting on Imaging Spectroscopy and GIS in Mining-Related Impact Mapping and Monitoring.

The meeting will be organised in the framework of the 4th Workshop on Imaging Spectroscopy where one session will be dedicated to hyperspectral remote sensing applied to mining environments.

The meeting aims at discussing perspectives of Imaging Spectroscopy applied to mining environments, in particular with the arrival of the ARES sensor. Main focus will be on opportunities and challenges to be met for providing high quality support to the implementation of the relevant environmental regulatory framework in Europe and elsewhere.

The meeting also aims at scientists concerned with mining environments to setting up a formal international network on Imaging Spectroscopy, in view of joining efforts in Research and Technological Development (FP7 perspective) as well as proposing operational facilities to support relevant European policies. The Network will aim to organise scientific exchanges and workshops. The frame for implementing such a *Network* will be discussed and proposals will be made to run it.

The meeting will start with introductory remarks by Stefan Sommer from JRC concentrating on "*Options to integrate quantitative spectral remote sensing methods within the framework of inventories, environmental assessment and monitoring of contaminated land and mining waste sites. A review under the perspective of the implementation of recent and forthcoming EU legislation*"

The meeting will then continue with general views on Imaging Spectroscopy perspectives by key players (MINEO, DLR, JRC...), as well as on legal aspects and end-user requirements within the framework of mining operations, abandoned mining sites and environmental regulations, along with roundtable discussions.

Besides the Network, the potential for a Core Group of scientists and users on Imaging Spectroscopy applied to mining and industrial environmental concerns will be examined, aiming at bridging the gap between scientists and stakeholders engaged with mining environments and the regulation management.

Roundtable Organisers:

- Dr. Bogdan Zagajewski, Warsaw University (PI), bogdan@uw.edu.pl
- Mr. Stéphane Chevrel, BRGM (F), co-ordinator of MINEO, s.chevrel@brgm.fr
- Dr.-Ing Christian Fischer, Clausthal University of Technology (D), christian.fischer@tu-clausthal.de
- Mr. Andreas Mueller, DLR (D), Andreas.Mueller@DLR.DE
- Mr. Viljo Kuosmanen, GTK (FIN), viljo.kuosmanen@gsf.fi

Moderators: Mr. Stéphane Chevrel, Dr.-Ing Christian Fischer, Mr. Stefan Sommer

Venue: Thanks to the 4th workshop organisers, the meeting will take place at the University of Warsaw, on Thursday 28 April afternoon. No additional charge requested for roundtable attendance.

Language: Official language will be English

Please advise the meeting organisers of your intention to attend.