



UNISPACE III - ISPRS/EARSeL Workshop on
*"Remote Sensing for the Detection, Monitoring
and Mitigation of Natural Disasters"*

2:30-5:30 pm, 22 July 1999, VIC Room B
Vienna, Austria



WORKSHOP SUMMARY SHEET - 10 JUNE 1999

Organized by:

Lawrence W. Fritz (President ISPRS) and Madeleine Godefroy (EARSeL Secretariat)

The Workshop will focus on the role of remote sensing in detection, monitoring and mitigation of natural disasters, in particular floods, typhoons and hurricanes, land degradation and erosion, forest fires, volcanoes, desertification and drought monitoring and pollution monitoring. Discussions will be held on problems related to the different spatial and time scales and the different geophysical parameters monitored. Emphasis will be on the analytical and critical evaluation of the present status and perspectives for future progress in this field.

The Workshop will be Co-Chaired by **Prof. Heinz Ruether (UCT, South Africa)** and **Dr. Lucien Wald (Ecole des Mines de Paris, France)**. Speakers and topics include:

- Prof. Preben Gudmandsen (TU, Denmark): "Natural Disasters - Remote Sensing Capabilities and Applications in a Wide Context"
- Dr. François Cauneau (Ecole des Mines de Paris): "Monitoring Oil Spills from Space: State of the Art and Perspectives"
- Jerome Béquignon (ESA, Italy): "Space Technology and Earthquake Hazard Management"
- Prof. Dietrich Bannert (UNESCO, Germany): "Natural Hazards of geological Origin: Erosion, Land Degradation/Desertification, Volcanoes - The UNESCO/IUGS Geological Application of Remote Sensing (GARS)-Programme"
- Dr. Mohamed Ait Belaïd (CRTS, Morocco): "Remote Sensing Systems for Drought & Desertification Monitoring"
- Dr. Adam Lisenbarth (IGIK, Poland): "Photogrammetry and Remote Sensing in Monitoring, Prediction and Prevention of Environmental Disasters"
- Dr. Vern Singhroy (CCRS, Canada): "Remote Sensing Techniques for Mapping and Monitoring of Pollution and Hazardous Waste Sites"
- Ms. Helen Wood (NOAA, USA): "Operational Use of Environmental Satellite Data for Hazards Applications"

Workshop Format

The three-hour Workshop will comprise a series of eight presentations, ~20 minutes each including discussion.

The Workshop will begin with an invited introduction to the role of remote sensing followed by seven invited presentations on specific disaster categories. The **Workshop Co-Chairs and Rapporteurs** are **Prof. Heinz Rüther (ISPRS Treasurer)** and **Dr. Lucien Wald (EARSeL Secretary General)**.

Technical Facilities Available

Overhead Projector

35 mm slide projector

flip-chart

pointer

speakers microphone

2 hours with podium; 1 hour with panel setup

Note: This Workshop will be provided with simultaneous interpretation