



Second United Nations International
UN-SPIDER Bonn Workshop:
"Disaster Management and
Space Technology - Bridging the Gap"



Organised by the

United Nations Office for Outer Space Affairs (UNOOSA)
and the
German Aerospace Center (DLR)

With the support from the

International Strategy for Disaster Reduction -
Platform for the Promotion of Early Warning (UNISDR-PPEW)

and the

United Nations University -
Institute for Environment and Human Security (UNU-EHS)



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UN-SPIDER Bonn

United Nations Platform for Space-based Information
For Disaster Management and Emergency Response

United Nations International Workshop: Bonn - Germany, 13 – 15 October 2008



Workshop Programme

Monday, 13th October 2008

8:30 – 11:00	Registration at UN Campus Bonn (Please arrive early to avoid delays)
10:00 – 11:00	Coffee and Tea (19 th floor)
11:00 – 11:10	Welcome Note Ulrich HAUSCHILD Deputy Mayor of the City of Bonn
11:10 – 11:25	Opening speech Harald MEHL Deputy Director German Remote Sensing Data Center (DFD) German Aerospace Center (DLR)
11:25 – 11:40	Introductory presentation on the UN-SPIDER Programme David STEVENS Programme Coordinator UN-SPIDER/UNOOSA
11:40 – 12:30	Plenary Presentations Gregoire DE KALBERMATTEN Deputy Executive Secretary – United Nations Convention to Combat Desertification (UNCCD), Bonn, Germany Welcome note on behalf of the UN in Bonn Heitor MATALLO Junior Programme Officer – United Nations Convention to Combat Desertification (UNCCD), Bonn, Germany "Desertification, land degradation, and drought. Global change equals disaster." Jan SOPAHELUWAKAN Chairman Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System IOC-UNESCO, Jakarta, Indonesia "Rapid- and slow-onset disaster management strategies and space based information: special reference to tsunami warning and mitigation system"
12:30 – 12:45	Outline of the workshop and organisational matters Joerg SZARZYNSKI UN-SPIDER Bonn Office
12:45 – 13:00	Conference Photo
13:00 – 14:30	Lunch (UN Campus Bonn Cafeteria)

14:30 – 16:30

Session I: Space technology in support of risk and disaster management

Chairman: Robert BACKHAUS, UN-SPIDER Bonn Office

Plenary Presentations

Stefan VOIGT

German Aerospace Center, Environment and Security Unit, Center for Satellite Based Crisis Information, Oberpfaffenhofen, Germany

" **Space in Support of Disaster Management - where do we stand?**"

Guido VAN DEN LANGENHOVE

Department of Water Affairs, Windhoek, Namibia

" **Experiences with space technology in management of 2008 flood adversity in dry river delta in central northern Namibia.**"

Daniel MANDL & Frederick POLICELLI

NASA, Goddard Space Flight Center, Greenbelt, Md., USA

" **Sensor webs for disaster Management.**"

Sreeja S. NAIR

Ministry of Home Affairs, Govt of India, National Institute of Disaster Management, New Delhi, India

"**Disaster Management and Space Technology: Capacity Building Initiatives and Gaps.**"

16:30 – 17:00

Coffee and Tea Break

17:00 – 18:30

Veronica GRASSO

GEO Secretariat, Geneva, Switzerland

"**GEO Disaster Management Clearinghouse**"

Tony LYU

UN-SPIDER Bonn Office

"**Development of the The UN-SPIDER Knowledge Portal**"

Plenary Discussion

- Feedback from Participants
- Compilation of Technical Advisory Group to the SPIDER portal

19:00 – 22:00

Conference Dinner Reception hosted by DLR

Haus der Geschichte, Bonn

(Welcome note by Cornelia RIESS on behalf of the German Aerospace Center)

Tuesday, 14th October 2008

8:30 – 10:00

Session II: Vulnerability and Risk Assessment

Chairmen: Juan Carlos VILLAGRAN DE LEON & Joern BIRKMANN,
United Nations University – Institute for Environment and Human Security
(UNU-EHS)

Plenary Presentations

Introduction: Juan Carlos VILLAGRAN DE LEON & Joern BIRKMANN
"Vulnerability and Risk Assessment"

Francisco DELGADO

Cathalac, Ciudad del Saber, Panama

"SERVIR: Mesoamerican Regional Monitoring and Visualization System."

Joachim POST

German Aerospace Center (DLR), German Remote Sensing Data Center (DFD)
Oberpfaffenhofen, Germany

"Tsunami risk assessment for coastal areas in Indonesia"

Stefan KIENBERGER

University of Salzburg, Center of Geoinformatics

"Community-based vulnerability assessment - the case of flood risk
reduction in Central Mozambique"

Working Groups – Preparation for Break-Out (Moderators)

10:00 – 10:30

Coffee and Tea Break

10:30 – 11:45

Break-Out Session for working groups I - III

11:45 – 12:30

**Presentation of the Results of the Working Groups to the Plenary and
General Discussion**

12:30 – 14:00

Lunch (UN Campus Bonn Cafeteria)

14:00 – 15:40

Session III: Contribution of space-based technologies to existing and proposed early warning systems

Chairman: Douglas PATTIE, International Strategy for Disaster Reduction
- Platform for the Promotion of Early Warning (UNISDR/PPEW)

Plenary Presentations

Introduction: Douglas PATTIE, UNISDR/PPEW

“Contribution of space-based technologies to existing and proposed early warning systems”

Nicolas HEYER

RapidEye AG, Molkenmarkt, Germany

“RapidEye’s Capabilities to Support Emergency Response and Disaster Management”

Gerard ARMSTRONG & Trevor BARKER

Avanti Communications, London, UK

“Development of CTSP – Common Telecoms Service Platform (TANGO, CHORIST, SAT ALARM)”

Natasha UDU-GAMA

LIRNEasia, Colombo, Sri Lanka

“Last Mile Hazard Information Dissemination”

Li SUJU

National Disaster Reduction Center China (NDRCC)

“Disaster Management and Space Technology – Applications from China”

15:40 – 16:10

Coffee and Tea Break

16:10 – 17:30

Plenary Presentations

Franz JASKOLLA

Infoterra GmbH, Friedrichshafen, Germany

“Kopernikus - Integrated Flood Risk Management Service and TerraSAR-X as new opportunity for emergency response”

Ulrich LOOSER

Global Runoff Data Centre (GRDC), Koblenz, Germany

“The Global Runoff Data Centre (GRDC): Facilitator between Data Providers and Data Users.”

Emanuele GENNAI

ESRI Global, Geneva, Switzerland

“GIS Platforms: The Power of Interoperability”

Natalia KUSSUL

Space Research Institute of the National Academy of Science of Ukraine and National Space Institute of Ukraine (NASU – NSAU)

“Data Integration for Natural Disaster Monitoring”

17:30 – 18:00

Feed-back from the Plenary

19:30

Conference Reception hosted by DLR

River Rhine Tour with *MS Godesia*

(Welcome note by Margitta Wuelker-Mirbach on behalf of the German Federal Ministry of Economics and Technology)

Wednesday, 15th October 2008

8:30 – 10:00

Session IV: Disaster Medicine, Telemedicine and Integrated Vector Management (IVM)

Chairman: David ROGERS – Health and Climate Foundation

Plenary Presentations

Introduction: David ROGERS, Marchissy, Switzerland

“Strengthening Health Information Systems”

Bernd SCHNEIDER

Institute for Disaster Medicine, Tuebingen, Germany

“What space-based information does the Disaster medical Community need in the acute phase of a disaster situation. Examples from Peru 2007, Myanmar and Sichuan 2008.”

Thomas WEBER

Institute of Aerospace Medicine, Telemedicine and Telematics, Cologne, Germany

“Telemedicine in the German Armed Forces - network of experts for disaster medicine.”

Georgi GRASCHEW

Surgical Research Unit OP 2000, Robert-Roessle-Klinik and Max-Delbrueck-Center, Charité – University, Berlin, Germany

“Globalisation of Health Care by Virtualisation of Hospitals.”

David HARGITT & Antonio ZUGALDIA

Centre for Research on the Epidemiology of Disasters (CRED), Brussels, Belgium

“Natural Disasters and Complex Emergencies: Geo-Referencing their Human Impacts”

10:45 – 11:15

Coffee and Tea Break

11:15 – 12:30

Plenary Discussion

12:30 – 14:00

Lunch (UN Campus Bonn Cafeteria)

14:00 – 14:45

Wrap-Up Discussion (UN-SPIDER, UNU-EHS, UNISDR-PPEW)

14:45 – 15:00

Closing Remarks