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United Nations/ Islamic Republic of Iran Regional Workshop on the Use of Space Technology for Environmental Security, Disaster Rehabilitation and Sustainable Development *Tehran, Islamic Republic of Iran, 8 – 12 May 2004*

Available online resources:

- [Final Programme](#) (available as a PDF file in English only)
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- [Online Presentations and Papers](#) **NEW**

Online Presentations and Papers

Note: The views expressed in the presentations and papers below are those of the authors and do not reflect the policies or views of the United Nations or the Office for Outer Space Affairs. The presentations and papers are provided solely for informational purposes.

Opening Ceremony and Welcoming Statements		
	Chairperson: Mr. A. TALEBZADEH (Iran Space Agency)	
	Mr. Hassan SHAFTI President of Iran Space Agency	MSWord Document
	Mr David STEVENS United Nations Office for Outer Space Affairs	MSWord Document
	H.E. Mr. Ahmad MOTAMEDI Minister for Communication and Information Technology	MSWord Document
Keynote Presentations		
	Chairperson: Mr. SAFAVI (Telecommunication Research Institute of Iran) Rapporteur: Mr. P. TARIKHI (Iran Space Agency)	
	Disasters, Meteorology and Weather Mr. Ali Mohammad NOURIAN (Iranian Meteorological Organisation)	Powerpoint Presentation
	Application of Satellite Imagery in Water Resources Development Mr. Reza ARDAKANI (Ministry of Energy)	MSWord document
	Applications of Remote Sensing Data for Monitoring Natural and Man-made Environmental Hazards Mr. Sassan SAATCHI (Jet Propulsion Laboratory, California Institute of Technology, USA)	PDF document (80 MB)
	The International Charter Space and Major Disasters: Bam Earthquake Mr. Bernard ALLENBACH (SERTIT, France)	PDF document
	The Use of Spacebased Technologies: The Role of the United Nations Office for Outer Space Affairs Mr. David STEVENS (United Nations Office for Outer Space Affairs)	Powerpoint Presentation
Presentation Session 1 – Sustainable Development		
	Chairperson: Mr. Talal DARWISH (National Centre for Remote Sensing, National Council for Scientific Research, Lebanon)	

Scientific Research, Lebanon)	
Rapporteur: Mr. Eltayeb Osman ADAM (Remote Sensing Authority, Sudan)	
Developing Spatial Data Infrastructure to Facilitate Data Sharing and Disaster Management Mr. Abbas RAJABIFARD (Centre for SDIs and Land Administration, Department of Geomatics, University of Melbourne, Australia)	Powerpoint Presentation
Satellite Data Applications for Oceanography and Sustainable Development of Marine Environments Mr. N. HAJIZADEH ZAKER (National Centre for Oceanography – Ministry of Science, Research and Technology)	Powerpoint Presentation
Satellite-Data Based Studies of Natural Disasters in Iran Mr. F. BARZEGAR (NGO)	MSWord document
Geomatics in Asia Mr. S. MALAVIYA and Mr. Bal KRISHNA (GIS Development, India)	Powerpoint Presentation
Discussion Panel 1 – Building Upon Success Stories and Limitations for Further Use	
Presentation Session 2 – Crisis and Disaster Rehabilitation and Reconstruction	
Chairperson: Mr. Mohammad MORABBI (Iran Space Agency) Rapporteur: Ms. Farzaneh Rahimi (Iran Space Agency)	
Bam Earthquake Prediction and Space Technology Mr. Z. SHOU and Mr. D. HARRINGTON (Earthquake Prediction Center)	PDF document
Space Technology Applications in Disaster Monitoring and Management in Bangladesh Mr. Ahmed SAYEED (Bangladesh Space Research and Remote Sensing Organization – SPARRSO, Bangladesh)	MSWord document
Study and Design of Portable Communication Systems for Disaster Relief in Iran Mr. Hassan REZAZADEH (Telecommunication Company of Iran)	Powerpoint Presentation
Meteorological Satellite Applications for Communication and Salvage Mr. A. SEDAGHAT KERDAR (Meteorological Institute – Iranian Meteorological Organisation)	Powerpoint Presentation
Presentation Session 3 – Environmental Security	
Chairperson: Mr. Kasim AL-SAAD (Remote Sensing Centre, Ministry of Science and Technology, Iraq) Rapporteur: Mr. Kiran Kumar KARKI (Ministry of Population and Environment, Nepal)	
Space Technology and International Cooperation for Environmental Monitoring of the Caspian Coastal Zone Mr. Aflatun HASANOV (Azerbaijan National Aerospace Agency – ANASA, Azerbaijan)	Powerpoint Presentation
Environmental Security Mr. M. BAHRAMI (Aerospace Research Institute, Ministry of Science, Research and Technology)	Powerpoint Presentation
Land Degradation in Lebanon: Vulnerability of Soil Resources to Desertification” Mr. Talal DARWISH (National Centre for Remote Sensing, National Council for Scientific Research, Lebanon)	Powerpoint Presentation
Remote Sensing Techniques as a Tool to Detect Pollution in the Gulf of Aqaba Ms. Ghaida ABU-RUMMAN (Royal Jordanian Geographic Centre, Jordan)	Powerpoint Presentation
Presentation Session 4 – Sustainable Development	
Chairperson: Mr. Helal ALI SALEH AL REISHI (Environmental Monitoring Authority – EPA, Yemen) Rapporteurs: Mr. Said RAHMAN (Pakistan Space and Upper Atmosphere Research Commission – SUPARCO, Pakistan)	
A Parametric Approach in Assessment of Soil Degradation Using Remote Sensing and GIS - A Case Study in North Sinai, Egypt	Powerpoint

	Mr. Abd-Alla GAD (National Authority for Remote Sensing and Space Sciences – NARSS, Egypt)	Presentation
	The Importance of Snowmelt Runoff Modelling for Sustainable Development and Disaster Prevention Mr. Muzafar MALIKOV (Tashkent Scientific Research Institute of Space Engineering, Space Research Centre, Uzbekistan Academy of Sciences, Uzbekistan)	Powerpoint Presentation
	Remote Sensing and GIS-based Solution for Disaster Management Ms. O. ASHIK (INTA Space Turk, Turkey)	Powerpoint Presentation (54 MB)
	Application of Space Technology in Sustainable Development in IRAN; A Review of Some Case studies Mr. M. MAKHDOUM (School of Environment, Tehran University)	Powerpoint Presentation
	Application of Space Technology for Crisis Management in Natural Disasters Mr. J. VATAN FADA (Office for River Engineering and Flood Control, Ministry of Energy)	Powerpoint Presentation
	Discussion Session 1 – Understanding Needs and Flow of Information Three working groups: Environmental Security, Sustainable Development and Disaster Management	
	Presentation Session 5 – Crisis and Disaster Rehabilitation and Reconstruction	
	Chairperson: Ms. Sarem HALA (General Organisation of Remote Sensing – GORS, Syria) Rapporteur: Mr. Muzafar MALIKOV (Tashkent Scientific Research Institute of Space Engineering, Space Research Centre, Uzbekistan Academy of Sciences, Uzbekistan)	
	Disaster Management Information System to Manage Natural Disasters in Afghanistan Mr. Joseph KANDEH (UNDP Afghanistan Information Management Services – AIMS)	Powerpoint Presentation
	Affordable Mobile Remote Sensing Data Receiving Ground Station for Disaster Management from Space Ms. Olga GERSHENZON (SCANEX, Russian Federation)	Powerpoint Presentation
	The Role of Satellite Communication in Disaster Rehabilitation Mr. SAFAVI (Telecommunication Research Institute)	Powerpoint Presentation
	Remote Sensing for Assessment and Evaluation of Geomorphological Hazards with Reference to Floods for Eastern Parts of Khartoum State - Sudan Mr. Eltayeb Osman ADAM ABDALLA (Remote Sensing Authority, Sudan)	Powerpoint Presentation
	Presentation Session 6 – Environmental Security	
	Chairperson: Mr. Abd-Alla GAD (National Authority for Remote Sensing and Space Sciences – NARSS, Egypt) Rapporteur: Mr. Ali Reza KHANSARI (Telecommunications Research Centre, I.R.Iran)	
	UNESCO Water Programmes Mr. Abdin SALIH (UNESCO)	Powerpoint Presentation
	Environmental Security and Water Disaster Mr. Trahel VARDANIAN (Department of Physical Geography, Yerevan State University, Armenia)	Powerpoint Presentation
	Geo-Information Technology Supporting Sustainable Water Resource and Environmental Management: The Case of Uromiyeh Basin, Islamic Republic of Iran Mr. Mohammad Ali SHARIFI (International Institute for Geoinformation and Earth Observation, The Netherlands)	Powerpoint Presentation
	Remote Sensing Data for Monitoring the Changes of Marshes Environment in Al-Dalmaj and Al-Nahraman Mr. Kasim AL-SAADI (Remote Sensing Centre, Ministry of Science and Technology, Iraq)	PDF document
	Open Session – Participants wishing to make a 10 minute contribution	

	Chairperson: Mr. Ahmed SAYEED (Bangladesh Space Research and Remote Sensing Organization – SPARRSO, Bangladesh) Rapporteur: Ms. Rada KASSOUHA (General Organisation of Remote Sensing – GORS, Syria)	
	Some Application of RS/GIS Methods for Transboundary Basins; Case Study: Aras Basin Mr. M. TAJRISHI (School of Civil Engineering, Sharif University)	Powerpoint Presentation
	Intelligent Navigation System in Disaster Rehabilitation Management Mr. M. KHANSARI (Telecommunication Research Centre)	Powerpoint Presentation
	Oil Spill Monitoring Using RADARSAT Data Mr. Said RAHMAN (Pakistan Space and Upper Atmosphere Research Commission – SUPARCO, Pakistan)	Powerpoint Presentation
	Identification and Analysis of Structural Lineaments of Western Region of Urmia Lake Ms. Fatemeh MEHRALIZADEH (Iran Space Agency)	Powerpoint Presentation (40MB)
	Fire Burning in a Forest of Palm Trees in Al Rowase Al-Muukha District Yemen Mr. Helal ALI SALEH AL REISHI (Environmental Monitoring Authority – EPA, Yemen)	Powerpoint Presentation
	Drought Monitoring Mr. M. ALI MOHAMMADI (School of Humanities -Tarbiat Modares University)	Powerpoint Presentation
	Drought Monitoring in Iran by NOAA/AVHRR Data (Recent Event) Mr. A. ANSARI AMOLI (Iran Space Agency)	Powerpoint Presentation
	Snow Cover Monitoring Using NOAA-AVHRR Mr. M. R. SARADJIAN (School of Civil Engineering-Tehran University)	Powerpoint Presentation
	Design and Implementation of a National Spatial Data Clearinghouse Mr. A. A. ALESHEIKH, et al. (School of Civil Engineering- K.N. Toosi University)	Powerpoint Presentation
	Hotspot Detection with MODIS Images Mr. H. AGHIGHI (Iran Space Agency)	Powerpoint Presentation
	An Automated System for Disaster Monitoring and Warning Mr. S. JALAYERIAN (Iran Space Agency)	Powerpoint Presentation
	Disaster Management Using Spatial Information Technology Mr. A. SARSHAR (Heler Rayaneh Company)	Powerpoint Presentation
	Geomorphological and Geophysical Methods of Forecasting of Activation and the Dynamics Landslides (on the Pattern of the Republic of Armenia) Ms. H. BALYAN (Yerevan State University)	Powerpoint Presentation
	Discussion Session 2 – Defining Steps Forward and a Regional Database Three working groups: Environmental Security, Sustainable Development and Disaster Management	
	Discussion Panel 2 – The Use of Space Technology in Asia – A Vision Forward	
	Discussion Session 3 – Plan-Of-Action and The Regional Database For Knowledge and Sharing	
	Discussion Session 4 – Plan-Of-Action and The Regional Database For Knowledge and Sharing	
	Discussion Session – Wrap up	
	Closing Remarks	
	UNOOSA	-----
	Iranian's Space Agency, ISA President	-----

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