
Documents

Beerens, S., Van Westen, C., Georgiadou, Y., Van Der Meijde, M.

Facing disasters with geo-information and earth observation-the UNU-ITC programme for disaster geo-information management

(2006) *2006 International Conference on Advances in Space Technologies, ICAST*, art. no. 4106438, pp. 206-211.

International Institute for Geo-Information Science and Earth Observation, ITC, P.O. Box 6, 7500 AA Enschede, Netherlands

Abstract

Disaster Management has over the past couple of years experienced a major paradigm shift from hazard assessment that causes disasters once they have occurred to mitigating the effects of hazards by means of disaster risk assessment. Geo-information science particularly earth observation-based information plays an important role in all phases of Disaster Management. To become sustainable, however, Disaster Management requires a) a proper institutional setting, b) appropriate geoinformation and communication technology and c) comprehensive capacity building component constituting three interlinked cornerstones. The School for Disaster Geo-Information Management at ITC implements such a comprehensive capacity building programme in the framework of a joint United Nations University - ITC effort, comprising education and training, research and advisory services © 2006 IEEE.

Index Keywords

Accidents, Aerospace industry, Communication, Disaster prevention, Disasters, Information science, Management information systems, Observatories, Risk assessment, Risk management, Safety engineering, Technology, Capacity-building, Communication technologies, Disaster management, Earth Observation, Geo-information, Hazard assessments, International conferences, Paradigm shifts, Space technologies; Information management

References

- Georgiadou, Y. and R. Groot, de, *Beyond Education: Capacity Building in Geo-informatics*, GIM International, February 2002, 16, pp 40-43, 2002
- Navalgund, R.R.
(2001) *Earth Observation Systems in Disaster Management, presented at Special session ISPRS WG VII/4*, Ahmedabad
- Stevens, D.
Role of the United Nations Office for Outer Space Affairs
(2005) *Presentation during University Network for Disaster Risk Reduction in Africa, Uganda, Makerere University, 12-13, September*
- Westen, van, C., Georgiadou, Y.
Spatial data requirements and infrastructure for natural risk management
(2001) *Paper presented at ISPRS WG VII/4 workshop*, Ahmedabad
- Sakulski, D.

To LAW or to BLOW - Making Disaster Management Sustainable, United Nations University Institute for Environment and Human Security

(2005) Presentation during University Network for Disaster Risk Reduction in Africa, Uganda, Makere University, 12-13, September

• Ottichilo, W.

Use of Remote Sensing and GIS in Disaster Risk Assessment, Monitoring and Management: A Case of the Greater Horn of Africa. Regional Centre for Mapping of Resources for Development

(2005) Presentation, during University Network for Disaster Risk Reduction in Africa, Uganda, Makere University, 12-1.3, September

• Kraak, M.J.

Geospatial Capacity Building, Best Applications and Practices

(2005) Proceedings Eight United Nations Regional Conference for the Americas, New York

Correspondence Address

Beerens S.; International Institute for Geo-Information Science and Earth Observation, ITC, P.O. Box 6, 7500 AA Enschede, Netherlands; email: beerens@itc.nl

Conference name: 2006 International Conference on Advances in Space Technologies, ICAST

Conference date: 2 September 2006 through 3 September 2006

Conference location: Islamabad

Conference code: 73097

ISBN: 1424405149; 9781424405145

DOI: 10.1109/ICAST.2006.313819

Language of Original Document: English

Abbreviated Source Title: Int. Conf. Adv. Space Technol., ICAST

Document Type: Conference Paper

Source: Scopus

About Scopus

[What is Scopus](#)

[Content coverage](#)

[What do users think](#)

[Latest](#)

[Tutorials](#)

Contact and Support

[Contact and support](#)

[Live Chat](#)

About Elsevier

[About Elsevier](#)

[About SciVerse](#)

[About SciVal](#)

[Terms and Conditions](#)

[Privacy Policy](#)



Copyright © 2013 Elsevier B.V. All rights reserved. SciVerse® is a registered trademark of Elsevier Properties S.A., used under license. Scopus® is a registered trademark of Elsevier B.V.