UNITED NATIONS UNIVERSITY

Institute for Environment and Human Security

Programme

2nd Meeting of the Expert Working Group on VULNERABILITY

Measuring the "Un-Measurable"

Indicators for Vulnerability and Coping Capacity

12-14 October 2005 in Bonn, Germany

organized and hosted by:

United Nations University - Institute for Environment and Human Security (UNU-EHS) within the framework of the Open Meeting of IHDP

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Wednesday, 12 October 2005	***at the University Club Bonn / Open for public***
INTRODUCTION	
11:00 11:10	Introduction EWG and vulnerability research UNU-EHS *Dr Jörn Birkmann / UNU-EHS*
11:10 11:20	Introduction of new participants
11:20 11:30	Human security and vulnerability *Prof Janos Bogardi / Director UNU-EHS*
I PRESENTATIONS - VULNERABILITY AND ITS REDUCTION	
11:30 12:10	Tsunami vulnerability in Sri Lanka and how to measure the current vulnerability *Prof Siri Hettige / University of Colombo, Sri Lanka,* *Prof Sarath Amarasinghe / University of Ruhuna, Sri Lanka, and* *Mr. Fernando Nishara / University of Colombo* *Dr Thangamuthu Jayasingam / Eastern University, Chenkaladi, Sri Lanka*
12:10 12:20	Reflection *by Prof Hans-Georg Bohle / University of Bonn, Germany*
12:20 12:30	Discussion
12:30 – 14:00 Lunch	
14:00 14:20	Spatial planning and vulnerability *Prof Klaus Borchard / President Academy of Spatial Planning (ARL), Germany*
14:20 14:40	Approaches for satellite based vulnerability mapping in Sri Lanka *Dr Stefan Voigt and Ms Monika Nassl / DLR, Oberpfaffenhofen, Germany*
14:40 15:00	Why a hazard becomes a disaster – the example of the Indian Ocean Tsunami *Prof Jochen Zschau / GFZ Potsdam, Germany*
15:00 15:30	Discussion
15:30 – 16:00 Refreshment Break	
II PANEL DISCUSSION	
16:00 17:30	How to measure vulnerability and how to reach different target groups such as policy makers, planners and local people? (Usefulness of indicators and applicability of different concepts; controversial discussion on prepared issues such as - quantitative versus qualitative approaches) Chair/Moderation: *Prof Janos Bogardi / UNU-EHS* Panellists *Ms Maria Bilia / Prime Minister's Office, Dar es Salaam, Tanzania* *Prof Hans-Georg Bohle / University of Bonn, Germany* *Prof Klaus Borchard /ARL, Germany* *Dr Omar Cardona / Center of Studies and Disasters on Risk, Bogotá, Columbia* *Dr Geoffrey Dabelko / Woodrow Wilson Center, Washington, USA* *Dr Elena Nikitina / EcoPolicy, Moscow, Russia* *Dr Mark Pelling / King's College London, UK* *Prof Ben Wisner / London School of Economics, UK*
17:30 – 18:00 Break – walk to Guennewig Hotel Bristol	
19:00 – 21:30 Reception of UNU-EHS (by invitation only)	***at Guennewig Hotel Bristol***

Thursday, 13 October 2005	
Plenary 8:30 – 10:30 OPEN MEETING – Burning Questions / University of Bonn	
III DISCUSSION OF METHODS TO MEASURE VULNERABILITY - closed session -	
IIIa Measuring economic vulnerability – at Guennewig Bristol Hotel	
11:00 11:15	Socio-economic vulnerability assessment in Tanzania *Ms Maria Bilia / Prime Minister's Office, Dar es Salaam, Tanzania*
11:15 11:30	Methods to measure the economic dimension of vulnerability at the national scale – the macro level focus *Dr Joanne Linnerooth-Bayer / IIASA, Laxenburg, Austria*
11:30 11:45	Experience from WIDER with regard to measure economic vulnerabilities of people – micro level focus *Dr Indranil Dutta / UNU-WIDER, Helsinki, Finland*
11:45 12:00	The importance of local economic vitality in resilience and how this is not always what it appears *Prof John Handmer, RMIT, Melbourne, Australia*
12:00 12:45 *Discussion*	Remarks and discussion *Chair: Prof Erich Plate, Karlsruhe, Germany, and* *Dr Juan Carlos Villagrán de León / UNU-EHS*
12:45 – 13:30 Lunch	
13:30 14:00	Economic indicators tested in the case studies in Russia and Sri Lanka *Dr Alexander Ivanov / University of Nizhniy Novgorod, Russia* *Dr Jörn Birkmann / UNU-EHS*
14:00 14:30	Indicators for an economic cost-benefit-analysis for disaster risk management: case study Semarang (Indonesia) *Ria Hidajat / GTZ, Eschborn, Germany, and* *Stefan Jäger / ge**o**mer GmbH, Germany*
14:30 15:00 *Discussion*	Recommendations on how to measure economic vulnerability at the local and national level *Chair: Mr Stefan Schneiderbauer / JRC, Taino, Italy*
15:00 – 15:30 Refreshment Break	
IIIb Measuring social vulnerability	
15:30 15:50	Measuring social vulnerability through the livelihood approach *Prof Hans-Georg Bohle / University of Bonn, Germany*
15:50 16:10	Measuring social vulnerability – results from Sri Lanka *Prof Siri Hettige and Dr Nishara Fernando / University of Colombo, and* *Prof Sarath Amarasinghe, University of Tuhuna, all Sri Lanka*
16:10 16:30	Measuring social vulnerability through self-assessment *Prof Ben Wisner / London School of Economics, UK*
16:30 16:50	Measuring social vulnerability at the national and local level *Prof Pál Tamás / Hungarian Academy of Science, Budapest, Hungary*
16:50 17:30 *Discussion*	Recommendations on how to measure social vulnerability at the local and national level *Chair: Prof Ursula Oswald Spring / CRIM - UNAM, Mexico*
17:45-19:45 Walk to downtown Bonn – historic sites (Minster, Beethovenhaus, etc.) **20:00 Joint dinner - *at Guennewig Hotel Bristol***	

Friday, 14 October 2005	
IIIc Measuring environmental vulnerability	
8:30 8:50	Environment and vulnerability – the different dimensions *Dr Marcel Kok / RIVM, Bilthoven, The Netherlands*
8:50 9:10	Impact of Tsunami on the environmental vulnerability of the eastern coast, Sri Lanka *Dr Thangamuthu Jayasingam / Eastern University, Chenkaladi, Sri Lanka*
9:10 9:30	Indicators used to measure environmental vulnerability in the Volga region and Sri Lanka *Dr Fabrice Renaud / UNU-EHS*
9:30 9:50	Vulnerability to droughts and environmental change *Prof Tom Downing / Stockholm Environmental Institute, Oxford*
9:50 10:30 *Discussion*	Remarks and comments on how to measure environmental vulnerability *Chair: Dr Peter Billing / EC DG Environment, Brussels, Belgium*
10:30 – 11:00 Refreshment Break	
IIIc Measuring institutional vulnerability	
11:00 11:20	Measuring the institutional dimension of vulnerability – experiences in Asia *Dr Elena Nikitina / EcoPolicy, Moscow, Russia*
11:20 11:40	Concepts and indicators to measure institutional vulnerability *Dr Stefan Greiving / University of Dortmund, Germany*
11:40 12:00	Problems to measure institutional vulnerability *Dr Marc Pelling / King's College London, UK*
12:00 12:20	Forced Migration as an Index of Vulnerability in Hurricane Katrina *Prof Anthony Oliver-Smith / University of Florida, USA, and* *Dr. Gregory Button / University of Michigan Department of Public Health*
12:20 13:00 *Discussion*	How to measure institutional and political vulnerability at the sub-national and local level? *Chair: Prof David Alexander / University of Florence, Italy*
13:00 – 14:00 Lunch	
IIIc Conclusions for future research on vulnerability	
14:00 14:30	What did we learn? – Perspective of a scientist *Prof Ben Wisner / London School of Economics, UK*
14:30- 14:45 Coffee/tea break	
14:45 15:30	*Discussion of the findings*
15:30 16:00	Outlook and closure *Prof Janos Bogardi, Dr Jörn Birkmann, Dr Ulrike Kastrup, UNU-EHS*