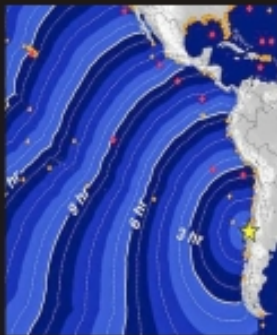


PROGRAM GOAL SEMINAR

2011

GEO-RISK MANAGEMENT A GERMAN-LATINAMERICAN APPROACH



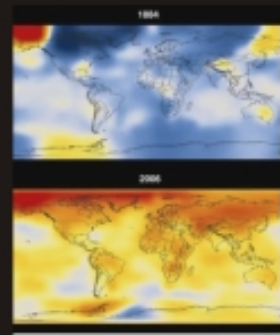
Earthquakes and tsunamis



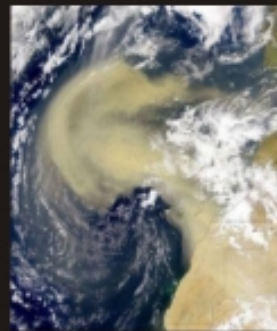
Landslides



Volcanic eruption and Lahares



Climatic Change Regional Perspective



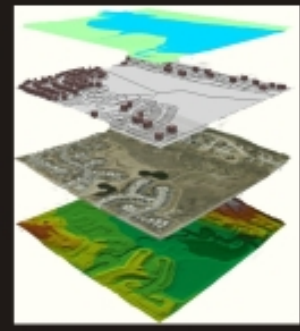
Extreme weather dust and aerosol



Water contamination



Terminology Mitigation



Land Use Public Outreach



Geo-Network of Latinamerican-German Alumni

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Latinamerican-
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02. – 04.04.2011

The DAAD-funded seminar takes place in the Building of the Geological and Mineralogical Institutes (Im Neuenheimer Feld 234, lecture hall of the Museum). The seminar is open for interested persons from academic institutions and companies. Please register until February 28th, 2011, by email quoting your name, full address and affiliation (email to cbreit@geo.tu-freiberg.de with copy to msteffen@gmx.com). Fees for a one-day participation are 20 €, for all three days: 40 €.

Program

02.04.2011

09.00 Registration

09.45 Welcome (**Christoph Breitzkreuz**, TU Freiberg, and RCUH representative)

10.00 **Anselm Smolka** (Munich Re): Risk Management of Natural Perils in Munich Re: From Managua 1972 to GEM

10.45 Coffee break

1. Earthquakes and tsunamis

11.15 **Lothar Stempnieski** (Karlsruhe Inst. Technology): Earthquake risk reduction

11.50 **Simon Kübler** (LMU München): Paleoseismics in the Bay of Cologne

12.30 Lunch

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14.15 **Allan López** (I.C.E. Costa Rica): Potencial de reactivación de fallas en el retorno del gran area metropolitana, San José, Costa Rica: un aporte al manejo de sus riesgos geológicos

14.45 **María Eugenia Cisternas** (UdeC, Chile): Responsabilidad social de los geocientistas en el manejo de riesgos: Enseñanzas derivadas de la experiencia chilena con el megaterremoto del 27 de febrero 2010

15.15 Coffee break

15.45 **Jose Frutos** (Universidad de Concepción, Chile): Riesgos de tsunamis en los bordes costeros en zonas de subducción (Chile): *parámetros geológicos que inciden en el desarrollo del fenómeno, respectivas características y posibilidades predictivas*

16.15 **Heinrich Bahlburg** (Westfälische Wilhelms-Universität Münster): Tsunami deposits past and present, the determination of recurrence intervals, and the estimation of long term tsunami hazards

3.04.2011**2. Landslides**

09.30 **Edmund Krauter** (Johannes Gutenberg-Universität Mainz): Causes of landslides and their mitigation

10.15 **Coffee break**

10.45 **Hernando Baggio** (UFVJM – IH, Brasil): Landslides in the mountainous region of Rio de Janeiro 2011: magnitude and consequences

3. Volcanic eruption and lahars

11.30 **Bernardo Pulgarin** (INGEOMINAS, Columbia): Erupciones del Volcán Nevado del Huila durante 2007-2008, lahares generados y manejo de la crisis volcánica

12.30 **Lunch**

4. Regional examples

14.15 **Dirk Balzer & Dirk Kuhn** (BGR, Hannover): Evaluation of risk exposure to natural hazards in Central America

14.45 **Héctor de León-Gómez et al.** (U Monterrey, Mexico): Geological risks in Mexico, example Monterrey, Nuevo Leon

15.15 **Nury Morales** (Universidad de Costa Rica): Riesgos geológicos en la zona sur de Costa Rica

15.45 **Coffee break**

16.15 **Humberto Duque** (Colombia): Natural disasters in Colombia and their impact on the population

5. Climatic change – regional perspectives

16.45 **Jörg Matschullat** (TU Bergakademie Freiberg): Managing regional climatic change – a regional example from Saxony, Germany

17.15 **Heinrich Horn** (Universidade Federal de Minas Gerais, Brasil): Cerrado-Caatinga-Brazil desertification processes

04.04.2011**6. Extreme weather conditions, dust and aerosol, coastal protection**

- 09.30 **Jörg Matschullat** (TU Bergakademie Freiberg): Drought and torrential rains, hail, dust and aerosols storms, tornados and flooding, hot spells and deepfreeze conditions – what does reality say in a moderate climate zone?
- 10.00 **Allan Pierra Conde** (Instituto Superior Minero Metalúrgico, Moa, Cuba): Riesgo por eventos hidro-meteorológicos extremos, polvo y aerosoles: Un estudio de caso en Cuba Oriental.
- 10.30 **Yosbanis Cervantes** (Instituto Superior Minero Metalúrgico, Moa, Cuba): Manejo Integrado Costero en Regiones Mineras

11.00 Coffee break

7. Water contamination

- 11.30 **Broder Merkel** (TU Bergakademie Freiberg): Water contamination: Risk and management
- 12.15 **Heinrich Horn** (Universidade Federal de Minas Gerais, Brasil): Carstic area of São Francisco Valley, Brazil

12.45 Lunch

8. Terminology, planning, mitigation and public outreach

- 14.15 **Andreas Hoppe** (TU Darmstadt): 2D and 3D decision support systems for geopotentials in the peripheries of urban areas
- 14.45 **René Dávila** (Universidad Autónoma de Nuevo Leon, Monterrey, Mexico): Multicriteria evaluation to reach sustainable land-use in urban environments including hydrogeological parameters

15.15 Coffee break

- 15.45 **Reginald Hermanns** (Norwegian Geol. Survey, Trondheim): Transforming geoscience knowledge into disaster prevention action in the Andes: Lessons learned from the MAP:GAC experience
- 16.15 **Daniel Rubiolo** (Rubiolo Consultant Geology, Argentina): Planificación para el uso del territorio y mitigación de amenazas naturales en Argentina
- 16.45 **Carmen Almaguer & Allan Pierra Conde** (ISMM, Moa, Cuba): Percepción social del Riesgo de Desastres
- 17.15 **Anke Friedrich** (LMU München): Earthquake hazards in intraplate settings – examples from Central Europe (*related to Topic 1*)