

**Programme for the first part of the Seminar „Flood Management in Latin America“, 2-7 September 2013 in Curitiba**

<b>Day</b>	<b>Topic</b>	<b>Referent</b>
Su. 01.09.13	Arrival of participants	
Mo. 02.09.13	<b>Floor-Space-Management (FSM) / Land use management</b>	
<u>9:00 – 9:40</u>	Opening / Introduction of participants / Introduction in the program  Short Introduction of the participants	Head of the research institute LACTEC, Curitiba Brazil; Prof. H. Bormann and Ingrid Althoff, University of Siegen  Seminar-Participants (Latin- American Experts)
<u>9:40 – 10:20</u> 30 Min. / 10 Min. Talk / Discuss.	Real time decision support systems in flood alert	Rosana Gibertoni e Rocianne Bortolazzo Pinto LACTEC, Brazil
10:20 – 10:45	Coffee-Break (25 Minutes)	
<u>10:45 – 11:30</u> 35 Min. / 10 Min. Talk / Discuss.	Flooding in La Plata City, Buenos Aires, Current problems and subsequent solutions	Martin Vergara and Sergio Abbenante, Argentina
<u>11:30 – 12:10</u> 30 Min. / 10 Min. Talk / Discuss.	Use of GIS tools and technologies in obtaining spatial data for flood control	MSc. Daniele Felix Zandoná LACTEC, Brazil
12:10 – 12:30	General discussion	Participants/Speakers
12:30 – 14:00	Lunch	
<u>14:00 – 14:50</u> 40 Min. / 10 Min. Talk / Discuss.	Determination flood generating areas; Exemplary measures in agriculture and forestry	Prof. Dr. H. Bormann, Universität of Siegen
<u>14:50 – 15:50</u> 15 Min. / 45 Min. Discuss./WO	General discussion and <u>Working out:</u> Deficit analysis – flood management in Latin America	Participants/Speakers  Group work – Participants
15:50 – 16:15	Coffee-Break (25 Minutes)	
16:15 –	Visit LACTEC	Ms. Gheysa do Rocio Morais Pires, LACTEC, Brazil
Tu. 03.09.13	<b>Technical Flood Protection (TFP)</b>	
<u>9:00 – 9:40</u> 30 Min. / 10 Min. Talk / Discuss.	Floods caused by ground water	Dipl.-Ing. I. Althoff, University of Siegen
<u>9:40 – 10:25</u> 35 Min. / 10 Min. Talk / Discuss.	Critical rain events and slope stability in the Serra do Mar, Paraná	MSc. Felipe Costa, Federal University of Paraná, Brazil
10:25 – 10:50	Coffee-Break (25 Minutes)	
<u>10:50 – 11:30</u> 30 Min. / 10 Min. Talk / Discuss.	Strengthening the system of risk management and disaster	Phd. Flavio Deppe, SIMEPAR (Meteorological Center of Paraná)
<u>11:30 – 12:15</u> 35 Min. / 10 Min. Talk / Discuss.	Introduction of the Flood Protection Center and the Flood Competence Center Cologne (Flood protection concept, flood service staffs, ..)	Dipl.-Ing. R. Vogt, Flood Protection Center, Cologne
12:15 – 12:30	General discussion	Participants/Speakers

12:30 – 14:00	Lunch	
<u>14:00 – 14:50</u> 40 Min. / 10 Min. Talk / Discuss.	Regional SIG methods and local terrain evaluation applied to prevent floods and landslides in the coastal plains and mountains of Paraná	Mr. Edir E. Arioli, Manager of the Geological Service of Paraná, Mineropar
<u>14:50 – 15:30</u> 30 Min. / 10 Min. Talk / Discuss.	Floods in the Itajai valley – Methods /models for the analysis of reliability /risk assessment to ensure adequate flood protection on dikes/dams	Prof. Heinz Fill and Ingrid Illich, LACTEC, Brazil
<u>15:30 – 16:00</u> 3 x 10 Min. Talk	The groups provide the results: “Deficit analysis – flood management in Latin America”	Groups
16:00 – 16:25	Coffee-Break (25 Minutes)	
16:25 – 17:30 15 Min. / 40 Min. Discuss./WO	General discussion (Efficiency of measures of passive flood protection) and <u>Working out</u> : Basic approaches to compensate for the identified deficits	Participants/Speakers  Group work – Participants
We. 04.09.13	<b>Excursion</b>	
9:00 – 17:00  17:00 -	Flood protection system in Curitiba  Visit of a flood-prone area - Sierra region and the coast - (flood protection system in Morretes)  Return to hotel	Mr. Paulo Cavichiolo, Institute of Water of Paraná, Brazil Ms. Gheysa do Rocio Morais Pires, LACTEC, Brazil
Th. 05.09.13	<b>Behavioural, Building and Risk precaution (BBR)</b>	
<u>9:00 – 9:40</u> 30 Min. / 10 Min. Talk / Discuss.	Reduced flood risk through green roofs	Prof. Dr. Sylvana Melo dos Santos, Federal Uni. Of Pernambuco, Brazil
<u>9:40 - 10:30</u> 40 Min. / 10 Min. Talk / Discuss.	Behavioural precaution, building precaution (e.g. mobile protection), floor-space management (e.g. Retention area Wörringen),	Dipl.-Ing. R. Vogt, Flood Protection Center, Cologne
10:30 – 10:55	Coffee-Break (25 Minutes)	
<u>10:55 – 11:35</u> 30 Min. / 10 Min. Talk / Discuss.	Non-stationary, climate based flood risk estimation, Negro River at Manaus Amazonia	Dr. Carlos H. R. Lima, University of Brasilia, Brazil
<u>11:35 – 12:15</u> 30 Min. / 10 Min. Talk / Discuss.	Integrating flood risk management strategies into hydropower dam operations, land use planning and environmental flows regimes in coastal floodplains	Prof. Javier E. Clausen, University of Guadalajara, Mexico
12:15 – 12:30	General discussion	Participants/Speakers
12:30 – 14:00	Lunch	
<u>14:00 – 14:55</u> 45 Min. / 10 Min. Talk / Discuss.	Use of model ensembles for the simulation of flood events; Flood forecasting, prediction uncertainties, flood warning system EFAS	Prof. Dr. H. Bormann, University of Siegen
<u>14:55 – 15:35</u> 30 Min. / 10 Min. Talk / Discuss.	Concept design of infrastructure required to protect the city of Constitución from Tsunamis	Mr. Roberto Gesche, Gesche Ingenieros Ltda (GI), Santiago de Chile
<u>15:35 – 16:05</u> 3x10 Min. Talk	The groups provide the results: „Basic approaches to compensate for the identified deficits”	Groups
16:05 – 16:30	Coffee-Break (25 Minutes)	

16:30 – 17:30 15 Min. / 45 Min. Discuss./WO	General discussion (Behavioural, Building and Risk precaution, Technical flood protection, self-Provision) <u>Working out:</u> Excursion area - Basic approaches to FSM, TFP and BBR	Participants/Speakers  Group work – Participants
Fr. 06.09.13	<b>Laws, Codes of Practice, Neighbourhood</b>	
9:00 – 9:40 30 Min. / 10 Min. Talk / Discuss.	Flood protection and post-disaster reconstruction: the case of Manzanillo, Mexico	Dr. Milton Montejano Castillo, Instituto Politécnico Nacional, Mexico
9:40 – 10:30 40 Min. / 10 Min. Talk / Discuss.	EU- Flood Risk Management Directive, Directive 2007/60/EC; DWA Pamphlet 551, Audit flood- how good are we prepared? Waters and flood neighbourhoods; Protection zone ordinances	Dipl.-Ing. I. Althoff, University of Siegen
10:30 – 10:55	Coffee-Break (25 Minutes)	
10:55 – 11:45 40 Min. / 10 Min. Talk / Discuss.	Dike monitoring (Methods) and rehabilitation with new contraction materials and techniques in terms of stability and erosion problems	Dipl.-Ing. R. Vogt, Flood Protection Center, Cologne; Helge Bormann, Uni Siegen
11:45 – 12:30 35 Min. / 10 Min. Talk / Discuss.	In Process (Risk precaution, Informing the public/affected people to permanently raise awareness)	In Process
12:30 – 14:00	Lunch	
14:00 – 15:00 3x 20 Min. Talks	The groups present their results: Excursion area - Basic approaches to FSM, TFP and BBR	Groups
15:00 – 16:00	Discussion about the group presentations; General discussion (subtopics of the seminar) as well as the Evaluation of the Seminar	Participants/Speakers
16:00 – 16:25	Coffee-Break (25 Minutes)	
16:25 – 17:00	General discussion about the total result of the seminar	Participants/speakers
19:30 -	Dinner (If you like to come along)	
Sa. 07.09.13	<b>Departure</b>	