

FLOODrisk2012 Detailed Programme

Monday 19th November 2012

13:30 - 17:30	Mercurius Hall, WTC	Registration
15:00 - 16:30	Town Hall, Rotterdam	VIP Reception
19:00 - 21:00	WTC, Rotterdam	Ice Breaker Reception

Tuesday 20th November 2012

09:00 - 10:30	Rotterdam Hall, WTC	Opening Ceremony, with:
	Word of welcome and kick-off Adaptive flood risk management in the United Kingdom Balancing and managing flood risk and droughts now and in the future	Harry Baayen, director of Deltares David Rooke, Environment Agency Director of Flood and Coastal Risk Management Tommy Strowd, Director of Operations, Maintenance & Construction, South Florida Water Management District
11:00 - 12:30	Rotterdam Hall, WTC	Plenary session
	Adaptive delta management in the Dutch Delta and its research challenges Implementing the Flood Directive - challenges in Europe Horizon 2020: The EU Framework Programme for Research and Innovation Flood Control 2015: Five years of public-private partnership in smart flood control celebratory launch of the Floodcontrol book	Wim Kuijken, Delta commissioner of the Netherlands Mark Adamson, Chair of Common Implementation Strategy WGF Philippe Quevauviller, EC Environmental Policy Officer Piet Dircke, Chair of the Flood Control Foundation
13:00 - 13:30	Game Room	FloodControl 2015 game presentation - Simone De Kleermaeker
13:30 - 14:00	Exchange Hall	Poster Session

14:00 - 15:30	Room 1	FLOOD HAZARD ANALYSIS 1	Room 2	FLOOD RISK MANAGEMENT 1	Room 3	FLOOD PREDICTION EARLY WARNING 1	Room 4	FLOOD CONSEQUENCES 1	Room 5	FC2015: Collaboration for smarter Flood Control	Room 6	"What's wrong with the other system? New directions for multi-layer-safety in a growing complex society"
Chair: Peter Bakonyi			Chair: Jeroen Aerts		Chair: Eric Gaume		Chair: Bas Jonkman					
Regional flood frequency analysis in Slovakia: Which pooling approach suits better?	Dr. Ladislav Gaal		Robustness of Protection Standards for the Netherlands	Mr. Jarl Kind	2D hydraulic model integration to real-time flash flood forecasting chain	Miss. Caroline Girard	Risk to life due to flooding in post-Katrina New Orleans	Dr. Bas Jonkman				
Statistical assessment of storm surge scenarios within integrated risk analyses- Results of the XtremRisk project	Dr. Thomas Wahl		Developing a robust national scale long term investment strategy for England and Wales: The tools and applications	Eurlng. Paul Sayers	Optimizing Flood Forecasts with data-assimilation and a dynamic stage discharge relation	M.Sc Johan Henri Anne Wijbenga	Conceptual and methodological frameworks for large scale and high resolution assessment of the physical flood vulnerability of building	Miss. Angela Blanco	Chair:	Piet Dircke	Chair:	Oranjewoud - Geert Roovers, Frank Alberts and Niels Roode
Stratified Sampled Synthetic Hydrographs for Flood Risk Calculations	Mr. Joris Blanckaert		Flood Threat to the US National Capital Region	Mr. Ed Link	The Global Flood Alert System (GloFAS)	Prof. Ad De Roo	Intangible Flood Losses: Methodologies for their Evaluation and Integration in Flood Risk Analysis	Mr. Andreas Burzel				
Future hydrological impact of forest on flash flood occurrence in a Mediterranean basin	Mr. Marc Velasco		Flash flood risk management: toward a closer link between science and policy	Prof. Marco Borga	Online hydraulic predictions over the North Sea - Scheldt River domain for flood risk and water management: a Dutch-Flemish connection	Mr. Maarten Deschamps	A tool to predict the costs of reinstatement of individual buildings after flooding	Dr. Nicholas Walliman				
Design of flood protection in Hong Kong	Dr. Joost Beckers		An inverse methodology for coastal risk management	Dr. Deborah Idier	What forecast users might expect: an issue of forecast performance	Mr. Jan Danhelka	Non-linear and non-parametric modeling of flood damage	Prof. Bruno Merz				
			Does compartmentalisation contribute to safety against flooding?	Mr. Ronny Vergouwe			Estimating direct and indirect damages from storm surges: The case of Wilhelmsburg/Hamburg	Ms. Julia Kowalewski				

16:00 - 17:30	Room 1	FLOOD HAZARD ANALYSIS 2	Room 2	FLOOD RISK MANAGEMENT 2	Room 3	FLOOD PREDICTION EARLY WARNING 2	Room 4	FLOOD CON - SEQUENCES 2	Room 5	Controlling floods and droughts: integrated river basin management in (trans)national rivers	Room 6	The EU Floods Directive part I: Potential barriers and best practices in Science-Policy Interfacing
	Chair: Andreas Kortenhaus		Chair: Frans Klijn		Chair: Marc Erlich		Chair: Bruno Merz					
	Development of extreme storm surge events - results of the XtremRisk project	Prof. Dr. Gabriele Goennert	Managing Flood Risk on Canadas West Coast: The City of Richmond Experience	Mr. Andy Bell	USACE Reachback Experiences in Providing Support for International Hydrologic Emergencies	Dr Cary Talbot	A harmonized flood damage assessment approach for the transnational Meuse basin	Mr. Benjamin Sinaba	Chair:	Room for the river - Ben Broens, Liesbeth van Riet Paap and Ellen Brandenburg	Chair:	Floodprobe - Philippe Quevauviller and Karin Stone
	Potential of Tsunami Events in the North Sea and at the Dutch Coastline	Dr. Jemie Dababneh	Adaptation strategies for the Thames Estuary in the context of accelerated sea level rise	Prof. Jim Hall	Towards spatially distributed flood forecasts in flash flood prone areas: results in the South of France. Towards spatially distributed flood forecasts in flash flood prone areas: results in the South of France.	Dr. Eric Gaume	Flood disaster losses and climatic variations	Dr. Laurens Bouwer				
	Fluvial morphology in flooding risk assessment and mitigation	Dr. Erik Mosselman	A Systematic Strategy to prepare decision tools for FRM Options	Mr. Joris Blanckaert	Real-time forecasting of flooding of Dutch lakes.	Alfons Smale	Flood damage assessment for Dhaka City, Bangladesh	Dr. Albert Chen				
	Quantifying the impact of climate change based on correlations between upstream inland, downstream coastal and surface boundary conditions	Mr. Patrick Willems	An economical optimal investment strategy in a multi-layer flood risk approach	M.Sc Bas Kolen	Application of methods predicting model uncertainty in flood forecasting	Prof. Dimitri Solomatine	Spatial Modelling of tangible and intangible Losses in Integrated Risk Analysis - Results of the XtremRisk Project	Mr. Andreas Burzel				
	Uncertainty analysis on flood assessment due to regional climate models	Dr. Maddalen Mendizabal	Operational Forecast of Beach Morphodynamics. The Shoreline Border as a Control for Flooding Risks	Prof. Agustin Sanchez-Arcilla			Evaluating direct damages of residential and commercial assets on a micro scale- Results of the XtremRisk Project	Mr. Gehad Ujeyl				
Coastal Floods: Urban Planning and Infrastructures as a Resilient System	Javier Diez	How to determine a safety level for currently unprotected areas with economical value?	Mr. Ronny Vergouwe									

Wednesday 21st November 2012

09:30 - 10:30	Rotterdam Hall, WTC	Plenary Session
	Kick-off	Jaap Kwadijk, Science director of Deltares
	An Ambassador's retrospective on flood event management of the Bangkok flooding	Joan Boer, Ambassador of the Netherlands in Thailand
	The influence of Xynthia on policy and practice	Jean-Philippe Lalande or Anne-Marie Levraut
	Impact of flood retention strategies in Mississippi and Missouri	Ed Link, Professor at Maryland University and former USACE staff
	Recovery and resilience - Experience from recent Queensland Disasters	Graeme Milligan, General Manager at the Queensland Reconstruction Authority

11:00 - 12:30	Room 1	FLOOD HAZARD ANALYSIS 3	Room 2	FLOOD RISK MANAGEMENT 3	Room 3	FLOOD EVENT MANAGEMENT 1	Room 4	FLOOD DEFENCES 1	Room 5	GOVERNANCE & POLICY INSTRUMENTS 1	Room 6	The EU Floods Directive part II: Ways forward in improving Science-Policy Interfacing
	Chair: Panayotis Prinos		Chair: Paul Samuels		Chair: Marc Erlich		Chair: Jonathan Simm		Chair: Edmund Penning-RowSELL		Chair:	Floodprobe - Philippe Quevauviller and Karin Stone
	Accounting for extreme floods occurred at ungauged sites in regional flood frequency studies	Dr. Eric Gaume	Feasibility of Unbreachable Multifunctional Flood Protection Zones in the Dutch Rural Riverine Area	Mrs. Jantsje M. van Loon-Steensma	Sequential decision making in the flood risk context	M.Sc Karolina Wojciechowska	Rapid, non-intrusive geophysical methods for assessing dikes - Conclusions from the FloodProBE Geophysics Workshop	Cyrille Fauchard	Governance of integrated flood risk management to deliver large scale investment programmes: delivery-focussed social learning in the Netherlands	M.Sc Sebastiaan van Herk		
	General hurricane track and intensity model	M.Sc B.M. Nguyen	Determination of Flood Risk Metrics for the Columbia River Treaty 2014 Review Program	Mr. Christopher Goodell	Exercise Watermark - Improving the Response to Flooding in England and Wales	Richard Symonds	The development of semi-probabilistic rules for levee safety assessments	Dr. Ruben Jongejan	Alternative investment streams for flood risk management and flood insurance: a distributional analysis of "who gains and who loses?"	Ms Sue Tapell		
	The effect of hydraulic roughness on design water levels in river models	Dr. Jord Warmink	Towards risk-based assessment of flood defences in the Netherlands: an operational framework	Mr Ferdinand Diemantse	The effects of flood fighting and emergency measures on the reliability of flood defences	Dr. Bas Jonkman	Reliability Analysis and Breach Modelling of Flood Defences in an Integrated Risk Analysis - Results of the XtremRisk Project	Dr. Andreas Kortenhaus	Bridging the science-policy gap in Poland: Bydgoszcz Waterproof	M.Sc Niels Eemink		
	The November 2009 floods in Cumbria, north-west England - an analysis of the rainfall and river flows in two catchments	Mr James Miller	Linking the City and the Lake: Guaiba waterfront, Porto Alegre, RS, Brazil.	Taneha Bacchin	Reality Check: Evacuation planning with Mixed Reality and Simulation	Danielle Keus	Updating Piping Reliability with Performance Observations	Mr. Timo Schweckendiek	Implementing the Floods Directive: the case of the Umbria Region	Dr. Daniela Molinari		
	Projections of non-stationary flood hazard under climate change in the Mekong Delta	Dr. Heiko Apel	Flexibility in Flood Management Systems with Application to the Sacramento Valley, CA, USA	Ms. Kara DiFrancesco			Development of the modular system for application in the Integrated Water Management practices and floods prevention, organization of the national/international eGMS database	Dr. Zuzana Boukalova				
			Unbreachable embankments? In pursuit of the most effective stretches for reducing fatality risk	Dr. Karin de Bruijn			Rapid Repair of Levee Breaches	Mr. Stanley Boc				

13:00 - 13:30	Room 5	IMPRINTS video presentation - Daniel Sempere
13:30 - 14:00	Exchange Hall	Poster Session

14:00 - 15:30	Room 1 Chair: Ferdinand Diermanse	FLOOD HAZARD ANALYSIS 4	Room 2 Chair: JIm Hall	FLOOD RISK MANAGEMENT 4	Room 3 Chair: Matthijs Kok	FLOOD EVENT MANAGEMENT 2	Room 4 Chair: Ivan Vanicek	FLOOD DEFENCES 2	Room 5 Chair: Ronnie Falconer	GOVERNANCE & POLICY INSTRUMENTS 2	Room 6 Chair: Adri Verwey	Challenges in Floodrisk Management in Thailand
	Investigating scale issues in coastal flooding using an a-priori systems model	Mr. Siddharth Narayan	Flood Risk Management Planning in Flanders	Mr. Joost Dewelde	Developing a training to improve multidisciplinary interaction: MIRROR	Lisette de Koning	A rapid method for predicting embankment breach hydrographs	Mr. Myron van Damme	Developing partnership approaches for flood risk management	Mr. Thomas Thaler		
	Simulating storm impacts and coastal flooding along the Netherlands Coast	Dr. Ap van Dongeren	The shifting sands of coastal flood management in South Africa	Dr. Jill Slinger	The Flood Control game as a means to improve crisis communication	Mrs. Judith de Bruijne	Assessing the Performance of Grass Cover on Flood Embankments	Mr. Mark Morris	Preliminary Flood Risk Assessment for the European Directive: inventory of French past flood	Dr. Michel Lang		
	A Probabilistic Approach to Dam Breach Modeling	Mr. Christopher Goodell	Cost-benefit analysis of flood protection strategies for the Rhine-Meuse delta	Dr. Ad Jeuken	Hurricane Risk & Safety Module – a Flood Control Solution for complex flood protection systems	M.Sc Ries Kluskens	Effective solutions to deal with the length-effect in piping	Mr. Wim Kanning	Policy options in setting standards for flood protection in The Netherlands	Mr. Herman van der Most		
	Flash flood future risk assessment taking into account climate and land use changes: application to the Llobregat basin	Mr. Marc Velasco	Supporting River Basin Management through strategic flood risk management - Comparing international challenges and developing common approaches in China, US and Europe.	Eurlng. Paul Sayers	Agent based modeling for flood incident management	Dr. Richard Dawson	The integration of geotechnical dike reliability into operational flood management via fragility curves	Dr. Daniel Bachmann	First step of implementation of the floods directive - Czech experience	Mr. Jan Danhelka		
			Cost-effectiveness study on preventive interventions: a survey of multifunctional flood defences	Mrs. Fatemeh (Flora) Anvarifar	Disaster Management Training Environment	M.Sc Cor-Jan Vermeulen	Evaluation and development of physically-based embankment breach models	Mr. Mark Morris	The role of self-help groups in flood risk management	Mr. Jonathan Simm		
							Levee failures related to structure transitions: typology, levee performance evaluation and improvement	Mr Remy Toument				

16:00 - 17:30	Room 1	INUNDATION MODELLING	Room 2	FLOOD RISK MANAGEMENT 5	Room 3	EVACUATION & RESCUE	Room 4	FLOOD DEFENCES 3	Room 5	GOVERNANCE & POLICY INSTRUMENTS 3	Room 6	Be prepared! Taking effective decisions with operational forecasting in rivers and coastal areas
	Chair: Panayotis Prinos		Chair: Chris Zevenbergen		Chair: Matthijs Kok		Chair: Meindert Van		Chair: Wil Thissen			
	3Di Subgrid flooding: making high resolution available	Dr. Arthur van Dam	On the potential contribution of spatial planning in combination with unbreachable embankments in the design of a robust flood risk system, exemplified for the Netherlands	M.Sc Joost Knoop	The use of traffic modelling to inform a flood evacuation policy for Lincolnshire and Norfolk	Mr. Andrew Tagg	Digsure method: decision indicators and GIS tool for levees management	Mr. Marc Vuillet	Explaining differences in flood risk management approaches in Europe and the USA - A comparative analysis	Mr. Philip Bubeck	Chair:	FEWS users - Simone van Schijndel and Albrecht Weerts
	Validation of a Computationally Efficient 2D Inundation Model on Multiple Scales	Mr. Sam Jamieson	Prioritising flood risk management interventions: how to make best use of limited funds	Mr. Jaap Flikweert	When, why and how to call for mass evacuation in an uncertain world: results of a survey among decision makers	M.Sc Bas Kolen	Combining Different Data Sources for Assessment of Urban Flood Defences	Mr. Raymond van der Meij	Public participation in flood protection planning	Mr. Geert Roovers		
	Coastal Flooding assessment using numerical modeling	Dr. Vicente Gracia	Review of the current risk management strategies in Europe for hydro-meteorological hazards at protection and emergency level	Miss. Vivian Juliette Cortes	Smart Shelters Strategies - Cost-effective flood preparedness	Mr. Edwin Blom	Examples of Combining Different Data for Assessment of Urban Flood Defences	Mr. Raymond van der Meij	Flood protection policies in Germany, the UK and the Netherlands	Dr. Aad Correljé		
	Analysis of Uncertainty associated with numerical schemes of Inundation Models	Mr. Tom Willis	A multi-layered safety perspective on the tsunami disaster in Tohoku, Japan	M.Sc Vana Tsimopoulou	Mass-evacuation model for a population located in a floodplain	Mr. Houssein Alaeddine	Woody Vegetation in Levee Slope Stability Analysis	Dr. Johannes Wibowo	The role of technical water expertise in flood risk management. Different logics, different outcomes?	Mrs. Ellen Tromp		
	State-of-the-art coastal inundation models applied to the 2007 Norfolk storm	Dr. Benedict Rogers	Flood risk change in changing climate: the Czech Republic study	Mr. Jan Danhelka			BioGrout, an innovative method for preventing internal erosion	Ms. Maaïke Blauw				
							The significance of failure modes in the design and management of levees - a perspective from the International Levee Handbook team	Mr. Jonathan Simm				

11:00 - 12:30	Room 1 Chair: Jim Hall	FLOOD RISK ANALYSIS 2	Room 2 Chair: Jochen Schanze	VULNERABILITY & RESILIENCE 1	Room 3 Chair: Bruno Merz	FLOOD HAZARD AND RISK MAPPING	Room 4	Application of asset management in integrated water management	Room 5 Chair: Ronnie Falconer	LONG TERM ADAPTATION 2	Room 6	New instruments supporting Flood Risks Governance
	A Flood Risk Assessment for Fraser River in the District of Chilliwack, British Columbia, Canada	Dr. Matthias Jakob	Research on flood resilient communities: A synthesis of key findings of the CRUE funding initiative	Prof. Annegret Thielen	Flood hazard mapping for spatial planning: conceptual and methodological considerations	Dr. Nico Pieterse	Chair:	Hans Pieterse and Jenne van der Velden	Impacts & strategic responses to rising sea levels in the European Union	Dr. Sally Brown	Chair	WGC - Bert Satijn
	Quantifying uncertainty inherent to standardised flood risk assessment	Dr. Clemens Neuhold	Analysis of damage claims and complaints to assess citizens' vulnerability to urban flooding	Dr. Marie-Claire ten Veldhuis	Probabilistic estimation of flood maps: an ensemble approach	Dr. Adrian Pedrozo-Acuna			Integrating flood risk management and urban design through climate change adaptation	Mrs. Karin Stone		
	Application and comparison of the Belgian and Dutch methods to estimate flood risk in Zuid-Beveland, the Netherlands	Dr. Nathalie Asselman	The role of building materials in improved flood resilience and routes for implementation	Eurlng. Manuela Escarameia	Systematic and Automated Global Flood Observatory	Ms. Nicki Villars			Monitoring and learning in adaptive flood risk management: A case of coastal policy in the Netherlands	Dr. Leon Hermans		
	A realist approach to the extent of flood risk in England and Wales	Prof. Edmund Penning-Rowsell	Amphibious Housing in the Netherlands and North America: A Comparison of Popular, Political and Permitting Issues and Challenges	Dr. Elizabeth English	Developing a process for stakeholder participation in flood risk mapping	Dr. Sally Priest			Land Subsidence in Coastal Lowlands- Hidden Flood Risk	Mr. Kees van Ruiten		
			Urban flood resilience: beyond vulnerability using innovative non-structural measures	Mr. Stephen Garvin	Retrospective research on the 1945 Wieringermeer Flood	Dr. Olivier Hoes						
					Flood risk mapping and scaling: Ranking sources of uncertainties with variance based global sensitivity analysis	Dr. Frederic Grelot						

13:00 - 13:30	Game Room	Example of new instruments supporting flood risk governance - Annebeth Loois
13.30 - 14.00	Exchange Hall	Poster Session

14:00 - 15:30	Room 1 Chair: Bas Jonkman	FLOOD RISK ANALYSIS 3	Room 2 Chair: Jochen Schanze	VULNERABILITY & RESILIENCE 2	Room 3	Principles from the international levee handbook	Room 4	FC2015: Imagining the next BIG step in Smart Flood Control	Room 5 Chair: Stephen Garvin	RISK COMMUNICATION
	Flood Risk Impact Factor for Flood Risk Assessment in Urban River Management	Dr. Masaru Morita	Output Based Aid (OBA) Voucher Scheme for pregnant women in IDP Camps and flood affected districts of rural Sindh, Pakistan.	Dr. Irfan Ahmad Khan	Chair:	Jonathan Simm and Remy Tourment	Chair:	Floodcontrol & Connecting Delta Cities - Jos Maccabiani & John Jacobs	Decision making in flood risk management with a lack of data	Mr. ir. P.J. Bart
	Integrated Flood Risk Analysis for Extreme Storm Surges at Open Coasts and in Estuaries: Background, Methodology, Key Results and Lessons Learned - Results of the XtremRisk Project	Dr. Andreas Kortenhaus	Potential for urban transformation from vulnerability to sustainability through the utilisation of stormwater infrastructure	Mrs. Maryna Storie					You have been framed! Effects of risk communication on citizens' risk perceptions and flood adaptive behavior	Dr. Teun Terpstra
	Flood risk assessment in an urban area: Vila Nova de Gaia	Assis. Prof. Sandra Mourato	The effectiveness of flood proofing vulnerable hotspots to improve urban flood resilience	Dr. Rutger De Graaf					Flood risk communication - Visualization tools and evaluations of effectiveness	Miss. Marie Charrière
	Flood Risk of multiple dike ring areas	Mr. Wouter ter Horst	The Dublin FloodResilientCity Project	Mr. Ronnie Falconer					Communicating uncertainty in flood risk mapping	Prof. Keith Beven
									Towards a realtime Twitter analysis during (flood) crises for operational (flood) crisis management	Dr. Teun Terpstra
									Improving flood maps to foster participation and raise flood risk awareness	Mr. Jochen Luther

16:00 - 17:30	Rotterdam Hall, WTC	Plenary session
	One of the biggest catchments in Europe: the Danube river basin	Peter Bakonyi, VITUKI Environmental Protection & Water Management Research Institute
	Adaptive urban flood risk management of Ho Chi Minh City	Ho Long Phi, Director of the Center of Water management and Climate Change, Vietnam National University, Hanoi
	Where next in flood risk management? - a personal view on research needs	Paul Samuels, Technical Director, Flood Management, HR Wallingford
	Student Paper Award and Pressure Cooker Prize	Paul Samuels, Technical Director, Flood Management, HR Wallingford

19:00 - 23:00	Exchange Hall	Conference Dinner
---------------	---------------	-------------------

Friday 23rd November 2012

	All Excursions available on Friday 23rd including:
10:00 - 18:00	FRM Highlights in the Netherlands
13:00 - 19:00	FRM Highlights in the Greater Rotterdam area