

Programme overview

Key to location of sessions:
 O'Reilly Lecture Theatre, Keble
 Lecture Theatre, Museum of Natural History
 Douglas Price Room, Keble

Monday 29 September 2008

17:00 Ice-breaker reception including pre-conference briefing

Tuesday 30 September 2008

09:30 P1 PLENARY: Conference opening & keynote presentations
Learning to live with floods in the face of climate change - D Rooke, Environment Agency
Natural Hazards research in the Seventh Framework Programme - P Quevauviller, European Commission

10:10 Refreshments

10:40 A1 Inundation modelling	B1 System analysis	C1 International programmes
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12:35 Lunch

13:55 A2 Inundation modelling	B2 Infrastructure & assets	C2 Non-structural approaches (CRUE)
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15:55 Refreshments

16:20 A3 Inundation modelling	B3 Long term planning, integrated portfolios, spatial planning	C3 Vulnerability & resilience, human & social impacts
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18:00-19:15 Welcome reception sponsored by Capita Symonds

Wednesday 1 October 2008

09:00 P2 PLENARY: **Coastal flooding: a view from a practical Dutchman on present and future strategies** - JW van der Meer

09:30 Refreshments

10:00 A4 Inundation modelling	B4 Assessment of extremes	C4 Vulnerability & resilience, human & social impacts
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11:30 Refreshments

12:00 A5 Inundation modelling	B5 Assessment of extremes	C5 Civil contingency, emergency planning, flood event management
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13:05 Lunch

14:35 A6 Flood forecasting & warning	B6 Environmental impacts, morphology & sediments	C6 Risk sharing, equity & social justice
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16:10 Refreshments

16:35-18:15 A7 Flood forecasting & warning	B7 Infrastructure & assets	C7 Civil Contingency, emergency planning, flood event management & long term planning
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Thursday 2 October 2008

09:00 A8 Flood forecasting & warning	B8 Infrastructure & assets	C8 Civil Contingency, emergency planning, flood event management & vulnerability
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10:35 Refreshments

11:05 A9 Flood forecasting & warning	B9 Flash floods / Long term planning, integrated portfolios, spatial planning	C9 Risk, economic assessment & uncertainty
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12:40 Lunch

13:40 A10 Inundation modelling	B10 Long term planning, integrated portfolios, spatial planning	C10 Risk & economic assessments
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15:00 Refreshments

15:40 A11 Inundation modelling	B11 Climate change	C11 Risk & economic assessments
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16:40 Refreshments

17:15-18:15 P3 PLENARY: **From Mississippi Floods to Hurricane Katrina: US Flood Risk Management Experiences and Future Directions** - G Galloway, University of Maryland **followed by** Young FLOODsite prize award & conference closing remarks - A van Os, Deltareas

19:00 **Conference banquet** Pre-dinner drinks followed by dinner at Keble College

Friday 3 October 2008

09:00-13:00 Taking dissemination seriously. How to engage key stakeholders in flood risk management? Presentation and discussion of experiences from the FLOODsite project.

FLOODrisk 2008

The European Conference on Flood Risk Management Research into Practice

30 September - 2 October 2008
 Keble College, Oxford, UK

Programme



9:30 PLENARY Conference opening chaired by Stephen Huntington, HR Wallingford
 Keynote presentations: **Learning to Live with Floods in the face of climate change**, D Rooke, Environment Agency **Natural Hazards research in the Seventh Framework Programme** - P Quevauviller, European Commission

10:10 Refreshments

10:40

A1 Inundation modelling <i>G Pender, Heriot-Watt University</i>		B1 System analysis <i>F Klijn, Deltares</i>		C1 International programmes <i>P Ryder, Chairman Thames Regional Flood Defence Committee</i>	
A1.1	Recent development and application of a rapid flood spreading method <i>J Lhomme</i>	B1.1	Importance of River System Behaviour in Assessing Flood Risk <i>MCLM van Mierlo</i>	C1.1	Flood Risk from Extreme Events (FREE): A NERC-directed research programme - Understanding the science of flooding <i>CG Collier</i>
A1.2	Hydrodynamic modelling and risk analysis in RAMFLOOD project <i>E Bladé</i>	B1.2	Development and evaluation of an integrated hydrological modelling tool for the Water Framework Directive and Floods Directive <i>MB Butts</i>	C1.2	Advances in flood risk management from the FLOODsite project <i>PG Samuels</i>
A1.3	Testing and application of a practical new 2D hydrodynamic model <i>J Gutierrez Andres-</i>	B1.3	A comparison of modelling methods for urban flood risk assessment <i>T Bamford</i>	C1.3	The Tyndall Centre Coastal Simulator and Interface (CoastS) <i>RJ Nicholls</i>
A1.4	Floods study through coupled numerical modeling of 2D surface and sewage network flows <i>L Evaux</i>	B1.4	Coastal flood risk analysis driven by climatic and coastal morphological modelling <i>JW Hall</i>	C1.4	The social impacts of flooding in Scotland: a national and local analysis <i>A Werritty</i>
A1.5	Modelling of flooding and analysis of pluvial flood risk - Demo case of UK catchment <i>JP Leitão</i>	B1.5	Micro-scale analysis of flood risk at the German Bight Coast <i>G Kaiser</i>	C1.5	The Flood Risk Management Research Consortium (FRMRC) <i>ID Cluckie</i>
A1.6	An integrated approach to modelling surface water flood risk in urban areas <i>JB Butler</i>	B1.6	Flood hazard mapping for coastal storms in the Delta Ebro <i>D Alvarado-Aguilar</i>	C1.6	EIB financing for flood risk mitigation <i>C Gleitsmann</i>
A1.7	Estimation of flood inundation probabilities using global hazard indexes based on hydrodynamic variables <i>GT Aronica</i>	B1.7	RAMWASS decision support system (DSS) for the risk assessment of water-sediment-soil systems – Application of a DSS prototype to a test site in the lower part of the Elbe river valley, Germany <i>B Koppe</i>	C1.7	One nation, one policy, one program flood risk management <i>PD Raddon</i>
A1.8	Flood modelling for risk evaluation – a MIKE FLOOD vs SOBEK 1D2D benchmark study <i>P Peeters</i>	B1.8	Radar based nowcasting of rainfall events – analysis and assessment of a one-year continuum <i>H-R Verworn</i>	C1.8	Toward a transnational perspective on flood-related research in Europe - experiences from the CRUE ERA-Net <i>T Deppe</i>
A1.9	Comparing forecast skill of inundation models of differing complexity: The case of Upton upon Severn <i>N Wright</i>	B1.9	On the quality of Pareto calibration solutions of conceptual rainfall-runoff models <i>A-R Nazemi</i>		
		B1.10	Model reuse and management in flood risk modelling <i>R Khatibi</i>		

12:35 Lunch

13:55

A2 Inundation modelling <i>C McGahey, HR Wallingford</i>		B2 Infrastructure & assets <i>P Stansby, University of Manchester</i>		C2 Non-structural approaches (CRUE project) <i>J-M Gresillon, MEDDATI/Cemegref</i>	
A2.1	Comparison of varying complexity numerical models for the prediction of flood inundation in Greenwich, UK <i>T J Fewtrell</i>	B2.1	Hazards from wave overtopping <i>NWH Allsop</i>	C2.1	Flood risk map perception through experimental graphic semiology <i>S Fuchs</i>
A2.2	Fast 2D floodplain modelling using computer game technology <i>R Lamb</i>	B2.2	Time-dependent reliability analysis of anchored sheet pile walls <i>FA Buijs</i>	C2.2	Quantifying the benefits of non-structural flood risk management measures <i>RJ Dawson</i>
A2.3	Grid resolution dependency in inundation modelling: a case study <i>S Néelz</i>	B2.3	Analysis of tsunami hazards by modelling tsunami wave effects <i>T Rossetto</i>	C2.3	Efficiency of non-structural flood mitigation measures: “room for the river” and “retaining water in the landscape” <i>F Francés</i>
A2.4	2D overland flow modelling using fine scale DEM with manageable runtimes <i>JN Hartnack</i>	B2.4	Influence of management and maintenance on erosive impact of wave overtopping on grass covered slopes of dikes; Tests <i>GJ Steendam</i>	C2.4	Flood risk reduction by PReserving and restOring river FLOODPLAINs - PRO_FLOODPLAIN <i>H Habersack</i>
A2.5	Detailed 2D flow simulations as an onset for evaluating socio-economic impacts of floods <i>BJ Dewals</i>	B2.5	Sea wall or sea front? Looking at engineering for Flood and Coastal Erosion Risk Management through different eyes <i>J Simm</i>	C2.5	The use of non structural measures for reducing the flood risk in small urban catchments <i>E Pasche</i>
A2.6	Ensemble Prediction of Inundation Risk and Uncertainty arising from Scour (EPIRUS): An Overview <i>Q Zou</i>	B2.6	The new Turner Contemporary Gallery – an example of an urban coastal flood risk assessment <i>H Udale-Clarke</i>	C2.6	EVVASE - Early Warning Systems Efficiency: Evaluation of flood forecast reliability <i>K Schröter</i>
		B2.7	Eur-Otop - Overtopping and methods for assessing discharge <i>T Pullen</i>	C2.7	Flood risk assessment in an Austrian municipality comprising the evaluation of effectiveness and efficiency of flood mitigation measures <i>C Neuhold</i>
		B2.8	Reliable prediction of wave overtopping volumes using Bayesian neural networks <i>GB Kingston</i>	C2.8	EVVASE - Early Warning Systems Efficiency: Risk Assessment and Efficiency Analysis <i>M Gocht</i>
		B2.9	Calculation of fragility curves for flood defence assets <i>JW van der Meer</i>	C2.9	Flood risk management strategies in European Member States considering structural and non-structural measures <i>J Schanze</i>

15:55 Refreshments

16:20

A3 Inundation modelling <i>A de Roo, DG Joint Research Centre</i>		B3 Long term planning, integrated portfolios, spatial planning <i>A van Os, Deltares</i>		C3 Vulnerability & resilience, human & social impacts <i>J Schanze, Leibniz Institute of Ecological and Regional Development</i>	
A3.1	Flood risk assessment using broad scale two-dimensional hydraulic modelling – A case study from Penrith, Australia <i>H Rehman</i>	B3.1	The OpenMI-LIFE Project – putting integrated modelling into practice in flood management <i>D Fortune</i>	C3.1	The policy preferences of citizens, scientists and policy makers <i>M Marchand</i>
A3.2	Modelling and analysis of river flood impacts on sewage networks in urban areas <i>A Kron</i>	B3.2	A method for developing long-term strategies for flood risk management <i>KM de Bruijn</i>	C3.2	Analysis of the human and social impacts of flooding in Carlisle 2005 and Hull 2007 <i>P Hendy</i>
A3.3	Coastal flood risk modelling in a data rich world <i>RD Williams</i>	B3.3	Flood risk mapping, using spatially based Systems Engineering <i>R Raaijmakers</i>	C3.3	Institutional and social responses to flooding from a resilience perspective <i>C Twigger-Ross</i>
A3.4	A multi-scale modelling procedure to quantify effects of upland land management on flood risk <i>HS Wheatler</i>	B3.4	Finding a long term solution to flooding in Oxford: The challenges faced <i>LGA Ball</i>	C3.4	Flood, vulnerability and resilience: a real-time study of local recovery following the floods of June 2007 in Hull <i>R Sims</i>
A3.5	Updating flood maps using 2D models in Italy: a case study <i>F Nardi</i>	B3.5	Risk analysis and decision-making for optimal flood protection level in urban river management <i>M Morita</i>	C3.5	Increasing resilience to storm surge flooding: risks, social networks and local champions <i>H Deeming</i>

18:00 Welcome reception Sponsored by Capita Symonds

19:15

General paper 15 minutes
 Discussion paper 10 minutes
 Specialist paper 3 minutes

Wednesday | October 2008

9:00

PLENARY Chaired by W Allsop, HR Wallingford
 Keynote presentation: **Coastal flooding: a view from a practical Dutchman on present and future strategies**, JW van der Meer

9:30

Refreshments

10:00

A4 Inundation modelling <i>M Erlich, Sogreah</i>		B4 Assessment of extremes <i>A Kortenhaus, TU Braunschweig</i>		C4 Vulnerability & resilience, human & social impacts <i>S Durden, IWR</i>	
A4.1	Real-time validation of a digital flood-inundation model: a case-study from Lakes Entrance, Victoria, Australia <i>P.J. Wheeler</i>	B4.1	Estimating extremes in a flood risk context The FLOODsite approach <i>A Sanchez-Arcilla</i>	C4.1	A new model to estimate risk to life for European flood events <i>SM Tapsell</i>
A4.2	Dispelling the myths of urban flood inundation modelling <i>D. Fortune</i>	B4.2	Inter-site dependence in extremes: unlocking extra information <i>DW Reed</i>	C4.2	Towards flood risk management with the people at risk: from scientific analysis to practice recommendations (and back) <i>A Steinführer</i>
A4.3	Flood risk in urban areas caused by levee breaching <i>A. Paquier</i>	B4.3	The Flood Estimation Handbook and UK practice: past, present and future <i>EJ Stewart</i>	C4.3	Use of Human Dimensions Factors in the United States and European Union <i>S Durden</i>
A4.4	RISK-EOS flood risk analysis service for Europe <i>M. Müller</i>	B4.4	Extreme Precipitation Mapping for Flood Risk Assessment in Ungauged Basins of the Upper Hron River Basin in Slovakia <i>S Kohnová</i>	C4.4	Double whammy? Are the most at risk the least aware? A study of environmental justice and awareness of flood risk in England and Wales <i>JL Fielding</i>
		B4.5	River flood frequency approaches for ungauged sites <i>A Calver</i>	C4.5	Improving public safety in the United States – from Federal protection to shared flood risk reduction <i>EJ Hecker</i>
		B4.6	Non-stationary point process models for extreme storm surges <i>P Prinos</i>		
		B4.7	Bayesian non-parametric quantile regression using splines for modelling wave heights <i>P Thompson</i>		

11:30

Refreshments

12:00

A5 Inundation modelling <i>M Borgia, University of Padova</i>		B5 Assessment of extremes <i>A Calver, Centre for Ecology & Hydrology</i>		C5 Civil contingency, emergency planning, flood event management <i>M Morris, HR Wallingford</i>	
A5.1	Flood inundation modelling: model choice and application <i>N Asselman</i>	B5.1	Multiscale probabilistic risk assessment <i>C Keef</i>	C5.1	Reservoir safety in England and Wales – reducing risk, safeguarding people <i>IM Hope</i>
A5.2	Risk maps of torrential rainstorms <i>A Assmann</i>	B5.2	Improving the understanding of the risk from groundwater flooding in the UK <i>DMJ Macdonald</i>	C5.2	A comparison of evacuation models for flood event management - Application on the Schelde and Thames Estuaries <i>MJP Mens</i>
A5.3	Decision Support System for flood forecasting and risk mitigation in the context of Romanian Water Sector <i>I Popescu</i>	B5.3	Radar observation of storm rainfall for flash-flood forecasting <i>G Delrieu</i>	C5.3	Hydrodynamic and loss of life modelling for the 1953 Canvey Island flood <i>M Di Mauro</i>
A5.4	A framework for Decision Support Systems for flood event management - Application to the Thames and the Schelde Estuaries <i>D M Lumbroso</i>	B5.4	Climate change impact on hydrological extremes along rivers in Belgium <i>M Villazon</i>	C5.4	Short-range plain flood forecasting and risk management in the Bavarian Danube basin <i>M Mueller</i>
		B5.5	Uncertainties in 1D flood level modeling: stochastic analysis of upstream discharge and friction parameter influence <i>P Bernardara</i>	C5.5	Fast access to ASAR imagery for rapid mapping of flood events <i>R Cossu</i>

13:05

Lunch

14:35

A6 Flood forecasting & warning <i>J-D Creutin, INPG/LTHE</i>		B6 Environmental impacts, morphology & sediments <i>D Lumbroso, HR Wallingford</i>		C6 Risk sharing, equity & social justice <i>C Twigger Ross, Collingwood Environmental Planning</i>	
A6.1	Flood warning in smaller catchments <i>H Romang</i>	B6.1	Assessment of hydraulic, economic and ecological impacts of flood polder management – A case study from the Elbe River, Germany <i>S Förster</i>	C6.1	From knowledge management to prevention strategies: the example of the tools developed by French insurers <i>J Chemitte</i>
A6.2	A prototype of road warning system in flood prone area <i>P-A Versini</i>	B6.2	Development of estuary morphology models <i>JM Huthnance</i>	C6.2	What's 'fair' about flood and coastal erosion risk management? A case study evaluation of policies and attitudes in England <i>E Penning-Rowsell</i>
A6.3	Snow and glacier melt – A distributed energy balance model within a flood forecasting system <i>R Kirnbauer</i>	B6.3	A GIS-based risk assessment methodology for flood pollutants <i>A Sauer</i>	C6.3	Flood risk perceptions in the Dutch province of Zeeland: does the public still support current policies? <i>A van der Veen</i>
A6.4	Analysis of weather radar and rain gauges for flood forecasting <i>MTJ Bray</i>	B6.4	Environmental impact of flash floods in Hungary <i>S Czigány</i>	C6.4	A partnership approach – public flood risk management and private insurance <i>M Crossman</i>
A6.5	Integration of Hydrological Information and Knowledge Management for rapid decision-making within European Flood Warning Centres <i>F Schlaeger</i>	B6.5	Predicting beach morphology as part of flood risk assessment <i>DE Reeve</i>	C6.5	The international teaching module FLOODmaster – an integrated part of a European educational platform on flood risk management <i>J Seegert</i>
A6.6	Local warning systems in Slovakia <i>D Lešková</i>	B6.6	Alkborough scheme reduces extreme water levels in the Humber Estuary and creates new habitat <i>D Wheeler</i>	C6.6	Decision support for strategic flood risk planning – a generic conceptual model <i>AGJ Dale</i>
A6.7	The provision of site specific flood warnings using wireless sensor networks <i>K Beven</i>	B6.7	Managing coastal change: Walberswick to Dunwich <i>M Cali</i>	C6.7	Who Benefits From Flood Management Policies? <i>N Walmsley</i>
		B6.8	Uncertainties in the parameterisation of rainfall-runoff-models to quantify land-use effects in flood risk assessment <i>A Wahren</i>		
		B6.9	Impact of the Barrage Construction on the Hydrodynamic Process in the Severn Estuary Using a 2D Finite Volume Model <i>J Xia</i>		

16:10

Refreshments

16:35 -

18:15

A7 Flood forecasting & warning <i>D Fortune, Wallingford Software</i>		B7 Infrastructure & assets <i>Z Boukalova, Vodni Zdroje sa</i>		C7 Civil Contingency, emergency planning, flood event management & long term planning <i>E Pasche, Hamburg Univ of Technology</i>	
A7.1	Managing Flood Risk in Bristol, UK - a Fluvial & Tidal Combined Forecasting Challenge <i>A Barnes</i>	B7.1	Reservoir Flood Risk in the UK <i>AL Warren</i>	C7.1	Benefits of 2D modelling approach for urban flood management <i>M Erlich</i>
A7.2	Off-line flood warning concept for railways <i>U Drabek</i>	B7.2	Modelling Breach Initiation and Growth <i>MW Morris</i>	C7.2	Computer modelling of hydrodynamic conditions on the Lower Kuban under various scenarios and definition of limiting values of releases from the Krasnodar, Shapsugsky and Varnavinsky hydrounits for prevention of flooding <i>MA Volinov</i>
A7.3	Satellite observation of storm rainfall for flash-flood forecasting in small and medium-size basins <i>C Görner</i>	B7.3	A Probabilistic Failure Model for Large Embankment Dams <i>NP Huber</i>	C7.3	An Integrated Risk-based Multi Criteria Decision-support System for Flood Protection Measures in Riversheds – REISE <i>D Bachmann</i>
A7.4	Potential Warning Services for Groundwater and Pluvial Flooding <i>D Cobby</i>	B7.4	Reliability Analysis of Flood Defence Structures and Systems in Europe <i>P van Gelder</i>	C7.4	Integrated methodologies for flood risk management practice in European pilot sites <i>J Schanze</i>
		B7.5	PCRIVER – software for probability based flood protection <i>B Westrich</i>		

Thursday 2 October 2008

9:00

A8 Flood forecasting & warning

I Cluckie, WEMRC University of Bristol

B8 Infrastructure & assets

J Davis, US Army Corps Engineers

C8 Civil Contingency, emergency planning, flood event mgmt & vulnerability

M Bramley, Independent Engineer and Environmentalist

- A8.1 Data assimilation and adaptive real-time forecasting of water levels in the river Eden catchment, UK *K Beven*
- A8.2 To which extent do rainfall estimation uncertainties limit the accuracy of flash flood forecasts? *E Gaume*
- A8.3 Advances in radar-based flood warning systems The EHIMI system and the experience in the Besos flash-flood pilot basin *C Corral*
- A8.4 Flash flood risk management: advances in hydrological forecasting and warning *M Borga*
- A8.5 Decision support system for flood forecasting in the Guadalquivir River Basin *A Andrés Picazo*
- A8.6 Online updating procedures for flood forecasting with a continuous rainfall-runoff-model *B Kahl*
- A8.7 GIS technology in Water Resources Parameter Extraction in Flood Forecasting *V Ramani Bai*

- B8.1 Representing fragility of flood and coastal defences: getting into the detail *J Simm*
- B8.2 Application of 3D serious games in levee inspection education *C Harteveld*
- B8.3 Strategic appraisal of flood risk management options over extended timescales: combining scenario analysis with optimization *JW Hall*
- B8.4 Embedding new science into practice – Lessons from the development and application of a Performance-based Asset Management System *C Mitchell*
- B8.5 Study of flood embankment behaviour induced by air entrapment *D Lesniewska*
- B8.6 Assessment of flood retention in polders using an interlinked one-two-dimensional hydraulic model *D Bachmann*
- B8.7 Fragility curve calculation for technical flood protection measures by the Monte Carlo analysis *D Bachmann*
- B8.8 Application of GMS System in the Czech Republic – Practical use of IMPACT, FLOODsite and GEMSTONE projects outcomes *Z Boukalová*
- B8.9 Failure modes and mechanisms for flood defence structures *MW Morris*

- C8.1 Flood warning in the UK: shifting the focus *CL Twigger-Ross*
- C8.2 New approaches to ex-post evaluation of risk reduction measures: The example of flood proofing in Dresden, Germany *A Olfert*
- C8.3 Dilemmas in land use planning in flood prone areas *A Scolobig*
- C8.4 Emergency management of flood events in Alpine catchments *H Romang*
- C8.5 Evaluating the benefits and limitations of property based flood resistance and resilience – A UK perspective *N Thurston*
- C8.6 Flood risk management: experiences from the Schelde Estuary case study *M Marchand*
- C8.7 Overcoming the barriers to household-level adaptation to flood risk *T Harries*
- C8.8 Human vulnerability to flash floods: Addressing physical exposure and behavioural questions *C Lutoff*

10:35

Refreshments

11:05

A9 Flood forecasting & warning

J van der Meer, Van der Meer Consulting

B9 Flash floods / Long term planning, integrated portfolios, spatial planning

E van Beek, Deltares

C9 Risk, economic assessment & uncertainty

J Hall, Newcastle University

- A9.1 Impact of extreme waves and water levels in the south Baltic Sea *H Hanson*
- A9.2 Probabilistic coastal flood forecasting *PJ Hawkes*
- A9.3 Coastal flood inundation modelling for North Sea lowlands *S Burg*
- A9.4 New north east of England tidal flood forecasting system *A Lane*
- A9.5 Operational flash flood forecasting chain in Mediterranean catchment using hydrological and pluviometric precursors *G Brigandi*
- A9.6 Bayesian Rainfall Thresholds for Flash Flood Guidance *E Todini*
- A9.7 Combining Weather Radar and Raingauge Data for Hydrologic Applications *E Todini*

- B9.1 European Flash Floods Data Collation and Analysis *V Bain*
- B9.2 Representative flash flood events in Romania Case studies *G Stancalie*
- B9.3 Changes in flooding pattern after dam construction in Zadorra river (Spain): the events of October 1953 and February 2003 *A Ibisate*
- B9.4 Post Flash flood field investigations and analyses: proposal of a methodology and illustrations of its application *E Gaume*
- B9.5 Hydrological and hydraulic analysis of the flash flood event on 25 October 2007 in North-Eastern part of Sicily, Italy *GT Aronica*
- B9.6 The day roads became rivers: A GIS-based assessment of flash floods in Worcester *F Visser*
- B9.7 Underpinning flood risk management: A digital terrain model for the 21st century *M Stileman*
- B9.8 Integrated land and water management in floodplains in England *TM Hess*
- B9.9 Putting people and places at the centre: improving institutional and social responses to flooding *CT Twigger-Ross*

- C9.1 Long term planning – Robust strategic decision making in the face of gross uncertainty (tools and application to the Thames) *C Mc Gahey*
- C9.2 Flood risk mapping of Austrian railway lines *A Schöbel*
- C9.3 Correlation in time and space: Economic assessment of flood risk with the Risk Management Solutions (RMS) UK River Flood Model *A Hilberts*
- C9.4 A case study of the Thames Gateway: flood risk, planning policy and insurance loss potential *J Eldridge*
- C9.5 Anticipatory water management for advanced flood control *SJ van Andel*
- C9.6 Staged uncertainty and sensitivity analysis within flood risk analysis *B Gouldby*
- C9.7 Assessing uncertainty in rainfall-runoff models: Application of data-driven models *DP Solomatine*
- C9.8 Integration of accurate 2D inundation modelling, vector land use database and economic damage evaluation *J Ernst*
- C9.9 Planning for Flood Damages Reduction: A Case Study *M Karamouz*

12:40

Lunch

13:40

A10 Inundation modelling

N Wright, UNESCO-IHE

B10 Long term planning, in portfolios, spatial planning

A Tagg, HR Wallingford

C10 Risk & economic assessments

M Adamson, OPW

- A10.1 Modelling tsunami overtopping of a sea defence by shallow-water Boussinesq, VOF and SPH methods *P Stansby*
- A10.2 Modelling the 2005 Carlisle flood event using LISFLOOD-FP and TRENT *JC Neal*
- A10.3 Experience of 1D and 2D flood modelling in Australia – a guide to model selection based on channel and floodplain characteristics *JM Hannan*
- A10.4 Computationally efficient flood water level prediction (with uncertainty) *K Beven*

- B10.1 Delivering Integrated Urban Drainage – current obstacles and a proposed SUDS planning support tool *SL Moore*
- B10.2 Strategic Planning for Long-Term Flood Risk Management – Findings from Case Studies in Dresden and London *G Hutter*
- B10.3 Extreme flood events & flood management strategy at the Slovak-Austrian part of the Morava river basin *M Lukac*
- B10.4 Using non-structural responses to better manage flood risk in Glasgow *R Newman*

- C10.1 High resolution inundation modelling as part of a multi-hazard loss modelling tool *S Reese*
- C10.2 Estimation of flood losses due to business interruption *I Seifert*
- C10.3 Residential flood losses in Perth, Western Australia *MH Middelmann*
- C10.4 A multicriteria flood risk assessment and mapping approach *V Meyer*

15:00

Refreshments

15:40

A11 Inundation modelling

C Mitchell, Environment Agency

B11 Climate change

R Falconer, Jacobs Engineering

C11 Risk & economic assessments

M Middelmann, Geoscience Australia

- A11.1 Optimization of 2D flood models by semi-automated incorporation of flood diverting landscape elements *P Vanderkimpfen*
- A11.2 Understanding the runoff response of the Ourthe catchment using spatial and temporal characteristics of the storm field obtained by radar *P Hazenberg*
- A11.3 The importance of spill conceptualizations and head loss coefficients in a quasi two-dimensional approach for river inundation modelling *MF Villazon*
- A11.4 Inundation scenario development for damage evaluation in polder areas *LM Bouwer*

- B11.1 Simulating flood-peak probability in the Rhine basin and the effect of climate change *AH te Linde*
- B11.2 Climate changes in extreme precipitation events in the Elbe catchment of Saxony *C Bernhofer*
- B11.3 A methodology for adapting local drainage to climate change *JR Blanksby*
- B11.4 Exploring and evaluating futures of riverine flood risk systems – the example of the Elbe River *J Luther*

- C11.1 New developments in maximizing flood warning response and benefit strategies *SJ Priest*
- C11.2 Development of a damage and casualties tool for river floods in northern Thailand *JK Leenders*
- C11.3 Synthetic water level building damage relationships for GIS-supported flood vulnerability modelling of residential properties *T Naumann*
- C11.4 Impacts of the summer 2007 floods on agriculture in England *TM Hess*

16:40

Refreshments

17:15

PLENARY chaired by P Samuels, HR Wallingford Keynote presentation: **From Mississippi Floods to Hurricane Katrina: US Flood Risk Management Experiences and Future Directions** G Galloway, University of Maryland

18:15

Young FLOODsite Prize Award & Conference Close A van Os, Deltares

19:00

Conference banquet *Pre-dinner drinks followed by Dinner the Dining Hall at Keble College*