

HIC2012 Conference, July14-18 , Hamburg , Germany

Presentation Program

Day	Date	Time	File name	Submission ID	Topic	All authors (first, last)	Title
Saturday	14 July 2012	11:10 - 11:30	HIC2012_0089	HYA00087-00189	A1.1	Vincent Guinot, Carole Delenne	Shallow water models with multiple porosity for large scale modelling of urban floods
Saturday	14 July 2012	11:30 - 11:50	HIC2012_0239	HYA00220-00427	A1.1	Zoran Vojinovic, Solomon Seyoum, Roland Price, Mwanaisha Salum, Abdullah Fikri, Yared Abebe	Terrain data processing and treatment of different features for urban flood modelling
Saturday	14 July 2012	11:50 - 12:10	HIC2012_0247	HYA00225-00439	A1.1	Chi Dung Doan, Jiandong Liu, Shie-Yui Liong, Dadiyorto Wendi, Anh Tuan Dao, Adri Verwey	Rainfall-Runoff Study for Singapore River Catchment
Saturday	14 July 2012	12:10 - 12:30	HIC2012_0395	HYA00373-00699	A1.1	Alexandre Mineault-Guitard, Abdolmajid Mohammadian, Colin Rennie, Abolghasem Pilechi	Numerical modeling of Fraser River, Canada
Saturday	14 July 2012	13:30 -13:50	HIC2012_0020	HYA00025-00112	A1.2	Franz Simons, Tobias Busse, Jingming Hou, Ilhan Özgen, Reinhard Hinkelmann	HMS: Model Concepts and Numerical Methods around Shallow Water Flow within an Extendable Modeling Framework
Saturday	14 July 2012	13:50 - 14:10	HIC2012_0088	HYA00087-00155	A1.2	Vincent Guinot, Carole Delenne	Higher-order schemes for the shallow water sensitivity equations with transport
Saturday	14 July 2012	14:10 - 14:30	HIC2012_0379	HYA00354-00670	A1.2	Peter Mewis	Flow Model Bubble for unstructured Grids with Sparse Finite Elements
Saturday	14 July 2012	14:30 - 14:50	HIC2012_0101	HYA00100-00192	A1.2	Quentin Araud, Pascal Finaud-Guyot, Vincent Guinot, Jose Vazquez, Robert Mose	Exploration of different methods to calculate the flux at the interface of a Discontinuous Galerkin scheme to solve the shallow water equations
Saturday	14 July 2012	14:50 - 15:10	HIC2012_0120	HYA00116-00243	A1.2	Alastair Barnett	Comparison of solution robustness and convergence on coarse grid models
Saturday	14 July 2012	15:10 - 15:30	HIC2012_0153	HYA00146-00265	A1.2	Mario Morales-Hernandez, Pilar Garcia-Navarro, Javier Murillo, Hector Ratia	External and internal boundary conditions treatment in a large time step explicit method for river flows
Saturday	14 July 2012	16:00 - 16:20	HIC2012_0033	HYA00037-00068	A1.3	Michele La Rocca, Reinhard Hinkelmann	Lattice Boltzmann numerical simulation of 3D gravity currents around obstacles.
Saturday	14 July 2012	16:20 - 16:40	HIC2012_0115	HYA00112-00268	A1.3	Ulf Teschke	Correction coefficients for potential flow
Saturday	14 July 2012	16:40 - 17:00	HIC2012_0275	HYA00256-00582	A1.3	Vincent H Chu, Wihel Altai	Computer Modelling of Advection and Diffusion Process Using Blocks
Saturday	14 July 2012	17:00 - 17:20	HIC2012_0065	HYA00065-00110	A1.3	Dejana Djordjevic	Numerical simulation of 3D flow at 90 ^o straight-channel confluence with bed elevation discordance
Saturday	14 July 2012	11:10 - 11:30	HIC2012_0049	HYA00051-00259	B2.1	Roland Löwe, Peter-Steen Mikkelsen, Henrik Madsen	Forecast Generation for Real-Time Control of Urban Drainage Systems Using Greybox Modelling and Radar Rainfall
Saturday	14 July 2012	11:30 - 11:50	HIC2012_0249	HYA00228-00447	B2.1	Michael Rustler, Julia Busse, Gesche Gruetzmacher, Gunnar Lischeid	Application of a data-driven approach for well field modelling
Saturday	14 July 2012	11:50 - 12:10	HIC2012_0408	HYA00387-00730	B2.1	Qiang Xu, Qiuwen Chen, Jinfeng Ma, Mengtao Zhang	Optimal Pipe replacement strategy for water distribution pipe network of Beijing
Saturday	14 July 2012	12:10 - 12:30	HIC2012_0287	HYA00264-00505	B2.1	Donatella Termini, Gaspare Viviani	Spatial diversity of chlorine residual in a drinking water distribution system: a study case
Saturday	14 July 2012	13:30 -13:50	HIC2012_0017	HYA00021-00351	B2.2	Wenyan Wu, Holger Maier, Graeme Dandy, Robert May	Exploring the impact of data splitting methods on artificial neural network models
Saturday	14 July 2012	13:50 - 14:10	HIC2012_0028	HYA00032-00277	B2.2	Stephen Mounce, Isabel Douterelo, Rebecca Sharpe, Joby Boxall	A bio- hydroinformatics application of self-organizing map neural networks for assessing microbial and physico-chemical water quality in distribution systems
Saturday	14 July 2012	14:10 - 14:30	HIC2012_0388	HYA00364-00685	B2.2	Ke-Sheng Cheng, Yii-Chen Wu, Yuan-Fong Su	Model performance evaluation for real-time hydrological forecasting
Saturday	14 July 2012	14:30 - 14:50	HIC2012_0398	HYA00376-00704	B2.2	Robert Abrahart, Christian Dawson, Nick Mount	Partial derivative sensitivity analysis applied to autoregressive neural network river forecasting

Saturday	14 July 2012	14:50 - 15:10	HIC2012_0406	HYA00384-00716	B2.2	Mohamed Tayel, Houcine Oumeraci	Prediction of Extreme Storm Surge Levels using Recurrent Artificial Neural Networks.
Saturday	14 July 2012	15:10 - 15:30	HIC2012_0266	HYA00245-00478	B2.2	Iek In leong, In Chio Lou, Wai Kin Ung, Kai Meng Mok	Freshwater Phytoplankton Forecasting Model by Principle Component Regression, Artificial Neural Network and their Combination
Saturday	14 July 2012	16:00 - 16:20	HIC2012_0227	HYA00207-00381	B2.3	Manousos Valyrakis	Prediction of coarse particle response to energetic flow events using adaptive neuro-fuzzy inference systems
Saturday	14 July 2012	16:20 - 16:40	HIC2012_0409	HYA00388-00732	B2.3	Xiaoqing Zhang, Qiuwen Chen	Predicting Cyanobacteria Blooms in Lake Taihu by Hybrid Evolutionary Algorithm
Saturday	14 July 2012	16:40 - 17:00	HIC2012_0198	HYA00184-00339	B2.3	Siddhartha Verma, Momcilo Markus, Richard Cooke	Data Mining Techniques for Nutrient Load Estimation in the Lake Erie Basin, Ohio
Saturday	14 July 2012	17:00 - 17:20	HIC2012_0093	HYA00092-00407	B2.3	Masayuki Hitokoto, Yosuke Hattori, Masanori Kaji, Masaaki Sakuraba, Masaru Onodera	Accuracy improvement of flood forecasting model using artificial neural network
Saturday	14 July 2012	11:10 - 11:30	HIC2012_0014	HYA00017-00295	E1.1	Matteo Rubinato, James Shucksmith, Adrian Saul	Procedures for downscaling urban drainage systems for physical modelling studies
Saturday	14 July 2012	11:30 - 11:50	HIC2012_0058	HYA00059-00114	E1.1	Dirk Schwanenberg, Tim Ochterbeck, Jan Gooijer, Min Xu, Klaas-Jan van Heeringen	Model Predictive Control of Pumps and Gates for Draining Dutch Polder Systems
Saturday	14 July 2012	11:50 - 12:10	HIC2012_0063	HYA00063-00177	E1.1	Claire de Bouteiller, Antonin Fradin	Global Optimal and Predictive Real-Time Control Tools for Large-scale Sanitation Systems
Saturday	14 July 2012	12:10 - 12:30	HIC2012_0066	HYA00066-00113	E1.1	Luca Vezzaro, Tina Kunnerup, Margit Christensen, Morten Grum	A New Risk Based Approach to Real Time Control of Urban Drainage Networks
Saturday	14 July 2012	13:30 -13:50	HIC2012_0052	HYA00053-00090	E4.1	Mohammad Mortazavi, George Kuczera, Lijie Cui	Application of multi objective optimization for managing urban drought security in the presence of population growth
Saturday	14 July 2012	13:50 - 14:10	HIC2012_0119	HYA00115-00197	E4.1	Upaka Rathnayake, Tiku T. Tanyimboh	Multi-objective optimization of urban wastewater systems
Saturday	14 July 2012	14:10 - 14:30	HIC2012_0160	HYA00153-00284	E4.1	Qi Wang, Dragan Savic, Zoran Kapelan	Hybrid Optimisation Algorithms for Multi-objective Design of Water Distribution Systems
Saturday	14 July 2012	14:30 - 14:50	HIC2012_0175	HYA00164-00687	E4.1	Xin Tian, Pepe Maestre, Peter-Jules van Overloop, Rudy Negenborn	Distributed Model Predictive Control for multi-objective Water System management
Saturday	14 July 2012	14:50 - 15:10	HIC2012_0225	HYA00206-00378	E4.1	Juliette Pelourdeau, Kent McClymont, Dragan Savic	Improving AMALGAM for the Multi-objective Water Distribution Design Problem
Saturday	14 July 2012	15:10 - 15:30	HIC2012_0226	HYA00206-00379	E4.1	Guillaume Goodwin, Kent McClymont, Dragan Savic	Novel Optimisation Performance Indicators for the Multi-objective Water Distribution Design Problem
Saturday	14 July 2012	16:00 - 16:20	HIC2012_0082	HYA00082-00443	E4.2	Luciano Raso, Peter Jules van Overloop, Dirk Schwanenberg	optimal control of water systems under uncertainty using stochastic approximation algorithm
Saturday	14 July 2012	16:20 - 16:40	HIC2012_0144	HYA00139-00292	E4.2	Christian Massari, Jim Yeh Tian-Chyi, Marco Ferrante, Bruno Brunone, Silvia Meniconi	Detection of partial extended blockages by means of a stochastic successive linear estimator
Saturday	14 July 2012	16:40 - 17:00	HIC2012_0145	HYA00140-00255	E4.2	Giovanna Darvini	The impact of the choice of the probability distributions of random parameters on evaluation of water distribution network reliability
Saturday	14 July 2012	17:00 - 17:20	HIC2012_0150	HYA00143-00261	E4.2	David Haro, Abel Solera, Javier Paredes, Joaquin Andreu	Incorporating aquifer modeling into a multi-period network flow programming optimization model for water resources management
Saturday	14 July 2012	11:10 - 11:30	HIC2012_0148	HYA00142-00313	F1.2	Srivatsan Raghavan, Minh Tue Vu, San Chuin Liew, Shie-Yui Liong	Regional climate simulations over southeast asia using precis
Saturday	14 July 2012	11:30 - 11:50	HIC2012_0450	HYA-AB-0450	F1.2	Faye Hirshfield, Jueyi Sui	Analysis of climate variables and ice jams for the Nechako River in Canada
Saturday	14 July 2012	11:50 - 12:10	HIC2012_0332	HYA00312-00583	F1.2	Malika Khalili, Van-Thanh-Van Nguyen	A Statistical Approach to Multi-site Multivariate Downscaling of Daily Extreme Temperature Series for Climate-Related Impact Assessment Studies
Saturday	14 July 2012	12:10 - 12:30	HIC2012_0244	HYA00223-00434	F1.2	Daniel Schertzer, Jean-Francois Royer, Ioulia Tchiguirinskaia, Shaun Lovejoy	Multifractal downscaling of climate scenarios: a physically-based and self-consistent stochastic downscaling methodology

Saturday	14 July 2012	13:30 - 13:50	HIC2012_0112	HYA00110-00389	F2.2	Clare Duggan, Bjoern Elsaesser	Development of a detailed spectral wind-wave model of the north atlantic for the analyses of past, present and future wave climate conditions
Saturday	14 July 2012	13:50 - 14:10	HIC2012_0138	HYA00134-00232	F2.2	Alireza Nazemi, Howard Wheeler, Amin Elshorbagy	A novel approach to vulnerability assessment of water resources systems: preliminary results for southern alberta, canada
Saturday	14 July 2012	14:10 - 14:30	HIC2012_0203	HYA00188-00345	F2.2	Boosik Kang, Sujin Moon, Jungjoong Kim	Basin-scale Precipitation Scenario using GCM climate predictors and Multisite Artificial Neural Network
Saturday	14 July 2012	14:30 - 14:50	HIC2012_0411	HYA00390-00724	F2.2	Gehad Ujeyl, Julia Kowalewski	Estimating direct and indirect damages from storm surges: The case of Wilhelmsburg/Hamburg
Saturday	14 July 2012	14:50 - 15:10	HIC2012_0412	HYA00390-00725	F2.2	Andreas Burzel, Gehad Ujeyl, Hocine Oumeraci	Joint Research Project Xtremrisk: Overview and Spatial Modelling in Hamburg Wilhelmsburg
Saturday	14 July 2012	15:10 - 15:30	HIC2012_0305	HYA00285-00527	F2.2	Eun-Sung Chung, Jung Seok Yang, Minwoo Son, Kyung-Soo Jun	Prioritization of watershed management under climate change using multi-attribute decision analysis
Saturday	14 July 2012	16:00 - 16:20	n.a.	n.a.	F4.1	Peter Fröhle	Climate change and coastal protection
Saturday	14 July 2012	16:20 - 16:40	HIC2012_0040	HYA00043-00081	F4.1	Janez Susnik, Lydia Vamvakieridou-Lyroudia, Dragan Savic, Zoran Kapelan	A System Dynamics Model assessing climate change impacts to the Rosetta region, Nile Delta, Egypt
Saturday	14 July 2012	16:40 - 17:00	HIC2012_0217	HYA00200-00368	F4.1	Christian Urich, Gregor Burger, Michael Mair, Wolfgang Rauch	DYNAMIND - A Softwaretool for Integrated Modelling of Urban Environments and their Infrastructure
Saturday	14 July 2012	17:00 - 17:20	HIC2012_0419	HYA00397-00737	F4.1	Assela Pathirana, Huong Huynh Lan, Tran Thuc, Dikman Mahen, Chris Zevenburgen	Facing multiple challenges from within and without: The future of flooding in a third world river-city
Sunday	15 July 2012	11:10 - 11:30	HIC2012_0113	HYA00111-00413	A1.4	Gabriele Freni, Mauro De Marchis, Gianluca Dalle Nogare, Enrico Napoli	Implementation of Pressure Reduction Valves in a dynamic water distribution system numerical model
Sunday	15 July 2012	11:30 - 11:50	HIC2012_0129	HYA00126-00221	A1.4	Marco Ferrante, Christian Massari, Bruno Brunone, Silvia Meniconi	Numerical Simulation of Leaks in Pressurised Pipes
Sunday	15 July 2012	11:50 - 12:10	HIC2012_0288	HYA00265-00513	A1.4	M.R. KAVIANPOUR, Siavash Haghighi	Experimental investigation of sediment effects on hydraulic jump characteristics
Sunday	15 July 2012	12:10 - 12:30	HIC2012_0452	n.a.	A1.4	Isaac Martinez, Reinhard Hinkelmann, Stavros Savidis	Numerical simulation of infiltration and land subsidence in a two-layered system with a fault zone
Sunday	15 July 2012	13:30 - 13:50	HIC2012_0067	HYA00067-00118	A1.5	Wen-Cheng Liu, Wei-Bo Chen, Li-Ting Huang	Modelling the effects of weir construction on hydrodynamics and water quality in tidal estuary
Sunday	15 July 2012	13:50 - 14:10	HIC2012_0086	HYA00085-00414	A1.5	Mauro De Marchis, Gabriele Freni, Enrico Napoli, Dario Ticali	The role of the tidal and wind forces on the hydrodynamic flow pattern and pollutant dispersion in the Augusta Harbour (Italy)
Sunday	15 July 2012	14:10 - 14:30	HIC2012_0140	HYA00136-00333	A1.5	Wentao Lei, Junqiang Xia, Guangming Tan	Modelling of Hydrodynamics and Sediment Transport Processes in a Muddy Estuary
Sunday	15 July 2012	14:30 - 14:50	HIC2012_0194	HYA00180-00334	A1.5	Juntao Zhou, Roger Falconer, Binliang Lin	Refinement of the EFDC model to simulate the effects of a tidal barrage across the severn estuary
Sunday	15 July 2012	14:50 - 15:10	HIC2012_0301	HYA00281-00522	A1.5	Sven Smolders, Yves Plancke, Stefaan Ides, Patrick Meire, Stijn Temmerman	Calibrating Discharges in a 2D Hydrodynamic Model of the Scheldt Estuary: Which Parameters can be used and what is their Sensitivity?
Sunday	15 July 2012	15:10 - 15:30	HIC2012_0330	HYA00310-00579	A1.5	Abbas Yeganeh-Bakhtiary, Milad Rezaee	Hydrodynamic of Surge Wave Energy Converters
Sunday	15 July 2012	16:00 - 16:20	HIC2012_0097	HYA00096-00190	A3.1	Marc Roberts, Nils R�ther, Nils Reidar Olsen, Stefan Vollmer	3D modelling of changes in sediment transport, bed composition and porosity during a flood event at the river Elbe
Sunday	15 July 2012	16:20 - 16:40	HIC2012_0286	HYA00264-00503	A3.1	Donatella Termini	Simulation of Nonuniform Sediment Transport at Different Distances from the Outlet
Sunday	15 July 2012	16:40 - 17:00	HIC2012_0004	HYA00005-00039	A3.1	Ilias Iordanidis, Petros Anagnostopoulos	Investigation of Nitrate Pollution in the Plain of Drama from Agricultural Activities
Sunday	15 July 2012	17:00 - 17:20	HIC2012_0308	HYA00288-00596	A3.1	Jihn-Sung Lai, Wen-Dar Guo, Hsin-Ya Ho	A Well-Balanced Finite-Volume Scheme for Numerical Modeling of Flow and Scour around Bridge Piers
Sunday	15 July 2012	11:10 - 11:30	HIC2012_0137	HYA00134-00231	B2.4	Elmira Hassanzadeh, Alireza Nazemi, Amin Elshorbagy	A Framework for Downscaling Extreme Rainfall Quantiles using Genetic Programming
Sunday	15 July 2012	11:30 - 11:50	HIC2012_0294	HYA00273-00515	B2.4	Amin Zargar, Rehan Sadiq, Faisal Khan	Characterization and Propagation of Uncertainty in SPI using Dempster-Shafer Theory

Sunday	15 July 2012	11:50 - 12:10	HIC2012_0369	HYA00347-00753	B2.4	Jann Strybny, Carsten Thorenz, Klaus Steinmill, Lydia Schulze, Max Hess	On the numerical modeling of ship-waterway-interaction in canals
Sunday	15 July 2012	12:10 - 12:30	HIC2012_0349	HYA00331-00614	B2.4	Elisa Arnone, Antonio Francipane, Leonardo Noto	Landslide susceptibility mapping: A comparison of logistic regression and neural networks methods in a small Sicilian catchment
Sunday	15 July 2012	13:30 -13:50	HIC2012_0373	HYA00350-00667	B2.5	Dimitri Solomatine, Junjian Ye, Nagendra Kayastha	Optimal combination of specialised hydrological models: further enhancements
Sunday	15 July 2012	13:50 - 14:10	HIC2012_0207	HYA00190-00354	B2.5	Jonghwa Ham, Yoon-seok Timothy Hong, Hyung-joong Kim, Daebuyuk Hong, Inho Lee	Water quality modeling affected by rainfall-runoff in an agricultural reservoir watershed using a Grammar-based GENETIC PROGRAMMING
Sunday	15 July 2012	14:10 - 14:30	HIC2012_0095	HYA00094-00294	B2.5	Reza Amiri, Mohammad Reza Bazargan-Lari, Mehdi Gouran, Shervin Alaei, Sahar Safari	River Flow Forecasting Using ANN and SVM: A Case Study
Sunday	15 July 2012	14:30 - 14:50	HIC2012_0132	HYA00128-00230	B2.5	Vasileios Kitsikoudis, Epaminondas Sidiropoulos, Vlassios Hrisanthou	A new approach for ANN modeling of sediment transport in sand bed rivers
Sunday	15 July 2012	14:50 - 15:10	HIC2012_0183	HYA00170-00331	B2.5	Sahar Safari, Mohammad Reza Bazargan Lari, Akbar Karimi, Reza Amiri, Mehdi Gouran Orimi	Optimal Operation Rules for Zayandehrude Dam: Application of Support Vector Machines
Sunday	15 July 2012	15:10 - 15:30	HIC2012_0212	HYA00195-00364	B2.5	Matthieu Spekkers, Marie-claire ten Veldhuis, Matthijs Kok, Francois Clemens	Correlations between rainfall data and insurance damage data on pluvial flooding in the Netherlands
Sunday	15 July 2012	16:00 - 16:20	HIC2012_0421	HYA00399-00742	B2.6	Joao Zeferino, Maria C Cunha, Antonio Antunes	Wastewater systems management under uncertainty
Sunday	15 July 2012	16:20 - 16:40	HIC2012_0414	HYA00392-00731	B2.6	Wang Lanhui, Qiuwen Chen	Modelling and Forecasting Cyanobacteria Growth of Taihu Lake in China
Sunday	15 July 2012	16:40 - 17:00	HIC2012_0010	HYA00014-00372	B2.6	Kun Guo, Timothy Hong, Rao Bhamidimarri, Daqing Chen	The application of multi-layer perceptron trained by adaptive extended kalman filter in predicting the flow of pupu springs
Sunday	15 July 2012	17:00 - 17:20	HIC2012_0295	HYA00274-00524	B2.6	Xianquan Xiang, Wenhai Lu, Yi Yang, Jianhua Tao	Spatial analysis of chlorophyll-a in Bohai Bay during the bloom based on remote sensing data
Sunday	15 July 2012	11:10 - 11:30	HIC2012_0027	HYA00031-00167	E5.1	Vasilis Kanakoudis, Stavroula Tsitsifli, Petros Samaras, Anastasios Zouboulis, Ifigenia Argyriadou	Water distribution system performance level integrated evaluation using new Performance Indicators based on a modified IWA Water Balance
Sunday	15 July 2012	11:30 - 11:50	HIC2012_0104	HYA00103-00360	E5.1	Gokcen Uysal, Omer Yavuz, Aynur Sensoy, Ali Arda Sorman, Turker Akgun, Tolga Gezgin	Risk or Shortage: Developing a Decision Support System To Reduce Flood Effects in Yuvacik Dam Reservoir, Turkey
Sunday	15 July 2012	11:50 - 12:10	HIC2012_0285	HYA00263-00501	E5.1	Arnejan van Loenen, Klaas-Jan van Heeringen, Ronald van Nooyen, Edwin van Velzen	Leveraging existing infrastructure for central automatic control of multiple sewer systems
Sunday	15 July 2012	12:10 - 12:30	HIC2012_0306	HYA00286-00531	E5.1	Gary Wong	Case Studies: Sustainable, Real-time Water Utilities
Sunday	15 July 2012	13:30 -13:50	HIC2012_0181	HYA00168-00347	E4.5	Jay Wagenpfeil, Eckhard Arnold, Oliver Sawodny	State Estimation for Optimized Water Management of Inland Waterway Systems
Sunday	15 July 2012	13:50 - 14:10	HIC2012_0358	HYA00338-00631	E4.5	Andreja Jonoski, Adrian Almoradie	Web-based tools for collaborative flood risk management
Sunday	15 July 2012	14:10 - 14:30	HIC2012_0383	HYA00359-00677	E4.5	Carlos Ocampo-Martinez, Vicenc Puig, Saul Montes de Oca	Multi-Rate Decentralized MPC Strategy for Drinking Water Networks: Application to the Barcelona Case Study
Sunday	15 July 2012	14:30 - 14:50	HIC2012_0382	HYA00358-00678	E4.5	Joao M Lemos, Jose M Igreja, Filipe Cadete, Manuel Rijo, Luis M Rato	Experimental application to a water delivery canal of a distributed MPC with stability constraints
Sunday	15 July 2012	14:50 - 15:10	HIC2012_0090	HYA00088-00154	E4.5	Matteo Giuliani, Andrea Castelletti, Rodolfo Soncini-Sessa	Multi-Agent water resources management: centralized vs decentralized approach
Sunday	15 July 2012	15:10 - 15:30	HIC2012_0322	HYA00300-00557	E4.5	Emad Elba, Brigitte Urban, Dalia Farghaly	Assessment of Diminution of Evaporation Losses of Lake Nasser by means of Remote Sensing and Previous Evaluation of Appropriate Measures
Sunday	15 July 2012	16:00 - 16:20	HIC2012_0047	HYA00050-00086	E4.4	Niels Schütze, Michael de Paly	Highly efficient stochastic optimization of irrigation systems
Sunday	15 July 2012	16:20 - 16:40	HIC2012_0180	HYA00167-00305	E4.4	Michele Romano, Zoran Kapelan, Dragan Savic	Evolutionary algorithm strategy for improved detection of bursts in water distribution systems
Sunday	15 July 2012	16:40 - 17:00	HIC2012_0435	HYA00414-00779	E4.4	Silvia Matz, Matthias Patsch, Oliver Stoschek, Arne Hammrich, Florian Ladage	Forecast System for Marine and Tidal Influenced Areas: Forecast for Hydraulic and Exological Parameters
Sunday	15 July 2012	17:00 - 17:20	HIC2012_0206	HYA00189-00353	E4.4	Jung Min Kim, Young Do Kim, Boosik Kang, Doo Ho Park	Numerical Simulation of Unsteady Flow for Assessment of Dredging for Flood Prevention in Nakdong River, Korea

Sunday	15 July 2012	11:10 - 11:30	HIC2012_0127	HYA00125-00647	D1.1	Péter Borsányi, Paul Christen Røhr	Advanced physically based models of regulated river-systems for early warning in East Norway
Sunday	15 July 2012	11:30 - 11:50	HIC2012_0300	HYA00280-00578	D1.1	Alexander Pyayt, Ilya Mokhov, Alexey Kozionov, Victoria Kuserbaeva, Valeria Krzhizhanovskaya, Jeroen Broekhuijsen, Robert Meijer	Signal Processing Methods for Flood Early Warning Systems
Sunday	15 July 2012	11:50 - 12:10	HIC2012_0325	HYA00304-00565	D1.1	Michaela Bray, Dawei Han	Real Time Precipitation Forecasting using NWP and SVM
Sunday	15 July 2012	12:10 - 12:30	HIC2012_0397	HYA00375-00703	D1.1	Junqiang Xia, Caiwen Shu, Roger Falconer, Xuanwei Xiao	Experimental study of incipient velocity for partially submerged vehicles in floodwaters
Sunday	15 July 2012	13:30 - 13:50	HIC2012_0045	HYA00048-00420	D1.2	Michael Stoelzle, Kerstin Stahl, Markus Weiler	As Simple as Possible? Drought Recognition Based on Streamflow Recession
Sunday	15 July 2012	13:50 - 14:10	HIC2012_0298	HYA00278-00597	D1.2	Dong-Sin Shih, Yu-Chi Wang, Cheng-Hsin Chen, Hau-Wei Wang	Assimilating Instant Field Measurements into Operational Model of Rainfall Runoff Simulation
Sunday	15 July 2012	14:10 - 14:30	HIC2012_0316	HYA00295-00603	D1.2	Gwo-Fong Lin, Bing-Chen Jhong	Using meteorological parameters to improve hourly typhoon rainfall forecasting
Sunday	15 July 2012	14:30 - 14:50	HIC2012_0135	HYA00131-00224	D1.2	Carsten Lange, Yunchol Om, Reinhard Hinkelmann, Frauke Jakobs, Christian Peters, Heiko Sieker, Tammo Eiben, Stefanie Massmann, Christoph Lippert, Frank Sellerhof, Jan Sievers	Hyd ³ Flow - Coupling of Hydrological, Hydro-Numerical and Hydroinformatics Modeling Systems for Improved Flood Forecasting
Sunday	15 July 2012	14:50 - 15:10	HIC2012_0394	HYA00370-00698	D1.2	Mamoru Miyamoto, Ai Sugiura, Toshio Okazumi, Shigenobu Tanaka, Seishi Nabesaka, Kazuhiko Fukami	Suggestion for an Advanced Early Warning System based on Flood Forecasting in Bengawan Solo River Basin, Indonesia
Sunday	15 July 2012	15:10 - 15:30	HIC2012_0238	HYA00219-00428	D1.2	Ioulia Tchiguirinskaia, Daniel Schertzer, Shaun Lovejoy	Multifractals and physically based estimates of extreme floods
Sunday	15 July 2012	16:00 - 16:20	HIC2012_0073	HYA00072-00151	D3.2	Michael Mair, Robert Sitzenfrei, Manfred Kleidorfer, Christian Urich, Michael Möderl, Wolfgang Rauch	Performance improvement with parallel numerical model simulations in the field of urban water management
Sunday	15 July 2012	16:20 - 16:40	HIC2012_0094	HYA00093-00160	D3.2	Ryusuke Hashimura, Kiyoshi Takikawa	Using the Improved MWS Method to Forecast Damage Level of Maritime Structures Caused by Typhoon 9918
Sunday	15 July 2012	16:40 - 17:00	HIC2012_0431	HYA00408-00770	D3.2	Seong Joon Byeon, Gye Woon Choi, Lian Guey Ler	A study on resilience strategies for adaption to flood risks
Sunday	15 July 2012	17:00 - 17:20	HIC2012_0204	HYA00188-00346	D3.2	Boosik Kang, Byeong-Man Yoon, Seung-Yeop Ryeu, Jin-Gyeom Kim	Synthetic design flood hydrograph using geospatially driven flood peaks and Nash model
Monday	16 July 2012	9:20 - 9:40	HIC2012_0368	HYA00346-00681	A3.2	Robert Klar, Stefan Achleitner, Lukas Umach, Markus Aufleger	Long-term simulation of 2D fractional bed load transport - Benefits and limitations of a distributed computing approach
Monday	16 July 2012	9:40 - 10:00	HIC2012_0056	HYA00056-00097	A3.2	Jingming Hou, Franz Simons, Reinhard Hinkelmann	Numerical Diffusion and Compression of High Order TVD Schemes in Advection Simulation
Monday	16 July 2012	10:00 - 10:20	HIC2012_0139	HYA00135-00249	A3.2	Il Won Seo, In Hwan Park, Myung Eun Lee	Modeling 2d mixing in open channels using dispersion tensors based on vertical velocity profiles
Monday	16 July 2012	10:20 - 10:40	HIC2012_0326	HYA00306-00572	A3.2	Martin Glas, Michael Tritthart, Hubert Keckeis, Bernhard Zens, Helmut Habersack	Numerical and physical particle tracing in a racetrack flume for larval dispersal experiments
Monday	16 July 2012	11:10 - 11:30	HIC2012_0158	HYA00151-00276	A3.3	Chiara Maria Fontanazza, Gabriele Freni, Vincenza Notaro, Valeria Puleo	Water quality analysis in network and private storage tanks in intermittent distribution systems
Monday	16 July 2012	11:30 - 11:50	HIC2012_0211	HYA00194-00363	A3.3	Mirko Schankat, Reinhard Hinkelmann, Michael Schlueter, Isaac Martinez	numerical modelling of the tidal influence on submarine groundwater discharge rates and the chloride of pore waters
Monday	16 July 2012	11:50 - 12:10	HIC2012_0430	HYA00406-00767	A3.3	Alessandra Marzadri, Daniele Tonina, Alberto Bellin	Effects of Hyporheic Fluxes on Streambed Pore Water Temperature
Monday	16 July 2012	12:10 - 12:30	HIC2012_0378	HYA00354-00669	A3.3	Peter Mewis	Morphodynamic-numerical model of the surf zone "Strand"
Monday	16 July 2012	13:30 - 13:50	HIC2012_0011	HYA00015-00058	A1.6	Sumit Sinha, Marcelo H. Garcia	A Comparative study between 2D and 3D model based on Shallow Water Equations, Development and Application
Monday	16 July 2012	13:50 - 14:10	HIC2012_0012	HYA00016-00025	A1.6	Frank Platzek, Guus Stelling, Jacek Jankowski, Regina Patzwahl	On the Representation of Bottom Shear Stress in Z-layer Models
Monday	16 July 2012	14:10 - 14:30	HIC2012_0400	HYA00379-00708	A1.6	Ulrich Kamalian, Binliang Lin, Roger Falconer	Development of a 3-D non-hydrostatic model for free surface flows
Monday	16 July 2012	14:30 - 14:50	HIC2012_0124	HYA00122-00248	A1.6	Carsten Thorenz, Jann Strybny	On the numerical modelling of filling-emptying systems for locks
Monday	16 July 2012	14:50 - 15:10	HIC2012_0360	HYA00340-00628	A1.6	Marian Brenda	Optimization of a flocculation-sedimentation treatment plant with Computational Fluid Dynamics (CFD)

Monday	16 July 2012	15:10 - 15:30	HIC2012_0092	HYA00091-00157	A1.6	Chang Geun Song, Il Won Seo, In Hwan Park	FE Model for Analysis of Transient Flow in Open Channels
Monday	16 July 2012	16:00 - 16:20	HIC2012_0021	HYA00026-00042	A2.1	Lahbassi Ouerdachi, Berhail Sabri, Hamouda Boutaghane	Analysis of Flow Mechanism based on the Recession Curve Parameter
Monday	16 July 2012	16:20 - 16:40	HIC2012_0188	HYA00175-00319	A2.1	Ming-Hsi Hsu, Ming-Chun Tsao, Nobuaki Kimura	A River Flash Flood Forecast Modeling Coupled with Kalman Filter Approach
Monday	16 July 2012	16:40 - 17:00	HIC2012_0290	HYA00268-00509	A2.1	Amin Abdi, Yousef Hassanzadeh	Assessing the drought modeling using genetic algorithm in Tabriz city, Iran
Monday	16 July 2012	9:20 - 9:40	HIC2012_0172	HYA00163-00297	B3.1	Shima Nabinejad, S. Jamshid Mousavi	hydrologic-dependent optimal water allocation at basin scale
Monday	16 July 2012	9:40 - 10:00	HIC2012_0173	HYA00163-00298	B3.1	Milad Houshyar, S. Jamshid Mousavi, Masoud Mahootchi	Re-enforcement Learning-based Optimal Operation of Multireservoir Systems
Monday	16 July 2012	10:00 - 10:20	HIC2012_0240	HYA00220-00429	B3.1	Zoran Vojinovic, Flora Anvarifar, Hamisi Matungulu, A. S. Torres, Solomon Seyoum, Wilmer Barreto, Price Roland	Multi-criteria risk-based optimisation of urban drainage assets
Monday	16 July 2012	10:20 - 10:40	HIC2012_0336	HYA00317-00640	B3.1	Jean-Michel Perraud, Jamie Vleeshouwer, Matt Stenson	Scaling up the calibration of hydrologic models to a continental scale
Monday	16 July 2012	11:10 - 11:30	HIC2012_0055	HYA00055-00210	B3.2	Ali Meshgi, Ting Fong May Chui	Investigating the Impact of Land Slopes on Tension Infiltrometer Data Through Inverse Modeling
Monday	16 July 2012	11:30 - 11:50	HIC2012_0079	HYA00080-00675	B3.2	Euan Barlow, Tiku Tanyimboh	Multi-objective optimisation of water distribution systems using a genetic algorithm embedded with an enhanced evolutionary direction crossover operator
Monday	16 July 2012	11:50 - 12:10	HIC2012_0189	HYA00176-00320	B3.2	Matthew Johns, Edward Keedwell, Dragan Savic	ADAPTIVE LOCALLY CONSTRAINED GENETIC ALGORITHM FOR LEAST-COST WATER DISTRIBUTION NETWORK DESIGN
Monday	16 July 2012	13:30 - 13:50	HIC2012_0448	HYA00510-00811	B1.1	Margaret Kadiri, Bettina Bockelmann-Evans, Zhou Juntao, Roger Falconer	Water Quality Model Development for Estuaries: A combined numerical and experimental approach
Monday	16 July 2012	13:50 - 14:10	HIC2012_0156	HYA00148-00405	B1.1	Chiara Maria Fontanazza, Gabriele Freni, Giuseppe Faso, Vincenza Notaro, Valeria Puleo	Pump as Turbines (PAT) in intermittent distribution networks
Monday	16 July 2012	14:10 - 14:30	HIC2012_0166	HYA00158-00291	B1.1	Amin Talei, Lloyd H C Chua, Chai Quek	Hydrological Modeling with a Dynamic Neural Fuzzy Inference System
Monday	16 July 2012	14:30 - 14:50	HIC2012_0255	HYA00234-00454	B1.1	Dongil Seo, Eunhyung Lee, TIEHU FANG	An Urban Stormwater Model, SWMM Calibration and Verification Using Automatic Stormwater Monitoring System in Daeduk Techno Valley, Korea
Monday	16 July 2012	14:50 - 15:10	HIC2012_0404	HYA00382-00714	B1.1	Achela Fernando, Asaad Shamseldin, Robert Abrahart	River Flow forecasting using gene expression programming models
Monday	16 July 2012	15:10 - 15:30	HIC2012_0007	HYA00007-00013	B1.1	Maheswaran Rathinasamy, Rakesh Khosa	Wavelet Based Nonlinear model for Real-time flood forecasting
Monday	16 July 2012	9:20 - 9:40	HIC2012_0032	HYA00036-00172	E3.1	Jo-fai Chow, Dragan Savic, David Fortune, Zoran Kapelan1	Developing a New Decision Support System for Sustainable Drainage Design and Flood Risk Management
Monday	16 July 2012	9:40 - 10:00	HIC2012_0167	HYA00159-00340	E3.1	Zhiqiang Deng, Fulbert Namwamba, Zaihong Zhang	Development of Decision Support System for Beach Water Quality Management
Monday	16 July 2012	10:00 - 10:20	HIC2012_0296	HYA00275-00517	E3.1	Yejin Kim, Hyosoo kim, Minsoo Kim, Donghyo Kang, Changwon Kim	Identification of state of wastewater systems for the integrated management and decision making
Monday	16 July 2012	10:20 - 10:40	HIC2012_0426	HYA00404-00760	E3.1	Jose Vieira, Jose Pinho, Rui Pinho, Jose Araujo	A Web Based Decision Support System for Water Quality Management in a Large Multipurpose Reservoir
Monday	16 July 2012	11:10 - 11:30	HIC2012_0102	HYA00101-00245	E3.2	Stefano Galelli, Albert Goedbloed, Stefania Caietti-Marin, Dirk Schwanenberg, Hans Eikaas	Combining Dynamic Emulation Modelling and Model Predictive Control for Real-Time Water Quality Management
Monday	16 July 2012	11:30 - 11:50	HIC2012_0254	HYA00233-00468	E3.2	Peter Coad, James E Ball, Bruce Cathers, David van Senden	Predicting Algal Blooms in Berowra Estuary, NSW Australia
Monday	16 July 2012	11:50 - 12:10	HIC2012_0437	HYA00501-00801	E3.2	Sheung-Kown Kim	Strategic Data-Driven Technology of Managing Water Quality in the River
Monday	16 July 2012	12:10 - 12:30	HIC2012_0413	HYA00391-00726	E3.2	Vladimir Sizonenko	Practical possibility to predict and control radionuclide contamination of water by the example of the region of Krivoy Rog

Monday	16 July 2012	13:30 - 13:50	HIC2012_0008	HYA00009-00016	A5.1	Narayan Kumar Shrestha, Olkeba Tolessa Leta, Bruno De Fraire, Ann van Griensven, Tamara Garcia-Armisen, Koffi Nouho Ouattara, Pierre Servais, Willy Bauwens	Integrated Modelling of the River Zenne Using OPENMI
Monday	16 July 2012	13:50 - 14:10	HIC2012_0165	HYA00157-00290	A5.1	Tobias Busse, Franz Simons, Simon Mieth, Reinhard Hinkelmann, Frank Molkenthin	HMS: A Generalised Software Design to Enhance the Modelling of Geospatial Referenced Flow and Transport Phenomena
Monday	16 July 2012	14:10 - 14:30	HIC2012_0038	HYA00042-00078	A5.1	James Sutherland, Herman Gerritsen, Francisco Taveira Pinto	Assessment of test cases on composite modelling
Monday	16 July 2012	14:30 - 14:50	HIC2012_0043	HYA00046-00129	A5.1	Kazi Emran Bashar, Ioana Popescu, Adri Verwey	Improving hydraulic model prediction by a 1D2D coupled model
Monday	16 July 2012	14:50 - 15:10	HIC2012_0315	HYA00294-00545	A5.1	Olaf Kolditz, Lars Bilke, Thomas Fischer, Karsten Rink, Haibing Shao, Wenqing Wang, Norihiro Watanabe	OPENGEOSYS: An Open Source Initiative for numerical simulation of Geological and Hydrological Environments
Monday	16 July 2012	15:10 - 15:30	HIC2012_0016	HYA00020-00079	A5.1	Jacek A. Jankowski	A hardware-accelerated parallel implementation of a two-dimensional scheme for free surface flows
Monday	16 July 2012	9:20 - 9:40	HIC2012_0029	HYA00033-00066	F1.1	Ramona Stammermann, Michael Piasecki	A numerical approach to study sediment transport processes in marshes of the Delaware Bay
Monday	16 July 2012	9:40 - 10:00	HIC2012_0449	HYA00511-00812	F1.1	Elisabeth Rudolph, Annette Schulte-Rentrop, Annkathrin Schüssler, Anika Johannsen	Influence of climate change on storm surge conditions in the German estuaries and testing of probable adaptation strategies
Monday	16 July 2012	10:00 - 10:20	HIC2012_0376	HYA00352-00665	F1.1	Dhyan Singh Arya, P M Kabuya, A R Murumkar, Mizanur Rahman, N K Goel	Impact of Climate Change on Rainfall Pattern in Jamuneshwari River Basin, Bangladesh
Monday	16 July 2012	10:20 - 10:40	HIC2012_0076	HYA00077-00180	F1.1	Joo Heon Lee, Chang Joo Kim, Young Oh Kim	Drought Severity-Duration-Frequency Relationship of Korea Considering Future Climate Change
Monday	16 July 2012	11:10 - 11:30	HIC2012_0131	HYA00127-00287	F2.1	Daniela Anghileri, Francesca Pianosi, Rodolfo Soncini-Sessa, Enrico Weber	Modelling climate change uncertainties in water resources management of Alpine reservoir systems
Monday	16 July 2012	11:30 - 11:50	HIC2012_0271	HYA00252-00481	F2.1	Anne Gaedeke, Herwig Hoelzel, Hagen Koch, Uwe Gruenewald	Analysis of uncertainties related to regional climate and hydrological models on the water balance in a subcatchment of the spree river, Germany
Monday	16 July 2012	11:50 - 12:10	HIC2012_0331	HYA00311-00642	F2.1	Nagendra Kayastha, Ann van Griensven, Yunqing Xuan, Dimitri Solomatine	Identification of uncertainties in climate change impact on streamflows in the Nzoia catchment, Kenya
Monday	16 July 2012	12:10 - 12:30	HIC2012_0415	HYA00394-00734	F2.1	Diego Mora, Tie Liu, Felipe Cisneros, Guido Wyseure, Patrick Willems	Statistical Analysis on the Performance of Global and Regional Climate Models for the Paute River Basin in the South-Ecuadorian Andes
Monday	16 July 2012	13:30 - 13:50	HIC2012_0035	HYA00039-00080	F3.1	Rita Seiffert, Fred Hesser, Annette Schulte-Rentrop, Guntram Seiss	Potential effects of climate change on the brackish water zone of German estuaries
Monday	16 July 2012	13:50 - 14:10	HIC2012_0054	HYA00054-00093	F3.1	Bernd Hausmann, Heribert Nacken	Possible impacts of climate change on the discharge regime of the river Rur
Monday	16 July 2012	14:10 - 14:30	HIC2012_0019	HYA00024-00052	F3.1	Gabriele Goennert, Birgit Gerkenmeier	A 2-method-concept to approach extreme storm events - combination of deterministic-empirical and numerical methods
Monday	16 July 2012	14:30 - 14:50	HIC2012_0318	HYA00296-00552	F3.1	Edgar Nehlsen, Erik Pasche, Wilfried Schneider	Influences of changing climatic conditions on Flood Protection at tidal marsh-Watercourses
Monday	16 July 2012	14:50 - 15:10	HIC2012_0291	HYA00269-00510	F3.1	Denise DeLorme, Scott Hagen	Challenges and Opportunities with Interdisciplinary Research on Climate Change Impacts
Monday	16 July 2012	15:10 - 15:30	HIC2012_0200	HYA00186-00344	F3.1	Gwangseob Kim, Hyungon Cho, Jaeung Yi	Analysis the change of the spatial and temporal variability of extreme rainfall events using the Neyman Scott Rectangular Pulse Model
Monday	16 July 2012	16:00 - 16:20	HIC2012_0096	HYA00095-00348	F3.2	Fiona Paton, Matthew Gibbs, Holger Maier, Graeme Dandy	Impacts of Climate Change Downscaling Method on Rainwater Tank Yield
Monday	16 July 2012	16:20 - 16:40	HIC2012_0107	HYA00105-00215	F3.2	Luigi Berardi, Daniele Laucelli, Orazio Giustolisi	A comparison between demand-driven and pressure-driven network modeling paradigms to assess climate change and asset deterioration impacts on water distribution networks
Monday	16 July 2012	16:40 - 17:00	HIC2012_0164	HYA00156-00317	F3.2	San Chuin Liew, Srivatsan Vijayaraghavan, Shie-Yui Liong, Richard Sanders	Development of Intensity-duration-frequency Curves: Incorporating Climate Change Projection
Monday	16 July 2012	17:00 - 17:20	HIC2012_0311	HYA00290-00541	F3.2	Albert S. Chen, Slobodan Djordjevic	Pluvial flood modelling and hazard assessment for large scale urban areas

Monday	16 July 2012	9:20 - 9:40	HIC2012_0018	HYA00022-00399	G5.1	Christoph Wosniok, Rainer Lehfeldt	A Metadata Profile for Computational Models
Monday	16 July 2012	9:40 - 10:00	HIC2012_0346	HYA00328-00606	G5.1	Robert Atkinson, Peter Fitch	Referencing Hydrologic Features in the Linked Data Web
Monday	16 July 2012	10:00 - 10:20	HIC2012_0110	HYA00108-00396	G5.1	Thomas Einfalt, Arnold Lobbrecht	Radar-based precipitation information tools of HydroNET-SCOUT for support of urban drainage
Monday	16 July 2012	10:20 - 10:40	HIC2012_0312	HYA00291-00542	G5.1	Peter Taylor, Simon Cox, Gavin Walker, David Valentine	Adapting standard information models for water data
Monday	16 July 2012	11:10 - 11:30	HIC2012_0264	HYA00244-00469	G5.2	Roland Funke, Michael Natschke, Stefan Fuest, Ulrich Looser, Irina Dornblut	Applied open standards in integrated water information management
Monday	16 July 2012	11:30 - 11:50	HIC2012_0234	HYA00215-00406	G5.2	Michael Bauer, Rainer Lehfeldt	Interoperable Marine Wind Data for the German Sea
Monday	16 July 2012	11:50 - 12:10	HIC2012_0340	HYA00320-00598	G5.2	Jonathan Yu, Peter Taylor, Simon Cox, Gavin Walker	Towards validating observation data described in WaterML 2.0
Monday	16 July 2012	12:10 - 12:30	HIC2012_0064	HYA00064-00109	G5.2	Dongsu Kim, Marian Muste	Building Multidimensional River Information System: Present and Future
Monday	16 July 2012	13:30 -13:50	HIC2012_0159	HYA00152-00283	H3	Simon Doncaster, Will Shepherd, John Blanksby, Tony Poole	Understanding urban surface water pathways
Monday	16 July 2012	13:50 - 14:10	HIC2012_0191	HYA00177-00384	H3	Natasa Manojlovic, Niloufar Behzadnia, Dmitrijs Barbarins, Erik Pasche	"Learning & Action" for Flood Risk Management Planning
Monday	16 July 2012	14:10 - 14:30	HIC2012_0451	HYA-AB-0451	H3	Sebastian Elgueta, Jorge Gomez, Cristobal De La Maza	Economic Impact Analysis of Implementing Water Quality Standards in Southern Lake of Chile
Monday	16 July 2012	14:30 - 14:50	HIC2012_0050	HYA00052-00096	H3	Michael Abbott, Zoran Vojinovic	The Meaning of Colour in Web-based Hydroinformatics Environments
Monday	16 July 2012	14:50 - 15:10	HIC2012_0051	HYA00052-00102	H3	Michael Abbott, Zoran Vojinovic	The Hydroinformatics of the Three Economies
Tuesday	17 July 2012	9:20 - 9:40	HIC2012_0060	HYA00060-00161	A2.2	Daniel Caviedes-Voullième, Pilar García-Navarro, Javier Murillo	influence of mesh topology and resolution on the rain-runoff simulation with a 2d shallow-water model for a pyrenean catchment
Tuesday	17 July 2012	9:40 - 10:00	HIC2012_0248	HYA00226-00446	A2.2	Chi Dung Doan, Anh Tuan Dao, Jiandong Liu, Shie Yui Liong, Richard Sanders, Timothy Fewtrell	Investigation of Possible Usage of SRTM for Ciliwung River Modeling
Tuesday	17 July 2012	10:00 - 10:20	HIC2012_0253	HYA00233-00453	A2.2	James Ball, Jinnat Ara	Variability in Design Flood Flows from Alternative Rainfall Temporal Patterns
Tuesday	17 July 2012	10:20 - 10:40	HIC2012_0359	HYA00339-00630	A2.2	Kwan Tun Lee, Meng-Chiu Hung, Yi-Ting Lin, Chin-Hsin Chang	Integrated geomorphologic and hydrological information inquiry system for Shihmen Reservoir watershed of Taiwan
Tuesday	17 July 2012	11:10 - 11:30	HIC2012_0001	HYA00002-00403	A4.1	Mohammad Hassan Nasermoaddeli, Erik Pasche	Parameter study of factors controlling Modeling of Riverbank Erosion in dense non-cohesive soils
Tuesday	17 July 2012	11:30 - 11:50	HIC2012_0263	HYA00243-00563	A4.1	Gudrun Hillebrand, Irina Klassen, Nils R. B. Olsen, Stefan Vollmer	Modelling fractionated sediment transport and deposition in the Iffezheim reservoir
Tuesday	17 July 2012	11:50 - 12:10	HIC2012_0422	HYA00400-00746	A4.1	Raido Puust, Monika Sergejeva, Janek Laanearu	Using MOC based method to detect abnormal conditions in water networks with less computational effort
Tuesday	17 July 2012	12:10 - 12:30	HIC2012_0297	HYA00277-00538	A4.1	Wataru Nishida, Seiji Suzuki, Yuta Ikenaga, Ryotaro Iwao	Numerical prediction of influences of wind on flow and material transport in isahaya flood regulation pond
Tuesday	17 July 2012	13:30 -13:50	HIC2012_0057	HYA00057-00254	A4.2	Satoshi Yamaguchi, Tsutomu Ikeda, Shigehito Yamaho	Flood risk assessment system for major metropolitan areas in Japan
Tuesday	17 July 2012	13:50 - 14:10	HIC2012_0155	HYA00147-00285	A4.2	Will Shepherd, John Blanksby, Simon Doncaster, Tony Poole	Assessment of road gullies
Tuesday	17 July 2012	14:10 - 14:30	HIC2012_0163	HYA00155-00289	A4.2	John Blanksby, Will Shepherd, Simon Doncaster	The impact of urban and near urban green space runoff on urban surface water flooding
Tuesday	17 July 2012	14:30 - 14:50	HIC2012_0232	HYA00213-00425	A4.2	Agathe Giangola-Murzyn, Auguste Gires, Cong Tuan Hoang, Ioulia Tchiguirinskaia, Daniel Schertzer	Multi-component physically based model to assess systemic resilience in Paris region
Tuesday	17 July 2012	14:50 - 15:10	HIC2012_0372	HYA00350-00658	A4.2	A.M. Yousif Kamel, Biswa Bhattacharya, Ghada El Serafy, Thijs Van Kessel, Dimitri Solomatine	Uncertainty analysis of numerical models of fine sediment dynamics in the Dutch coastal zone
Tuesday	17 July 2012	15:10 - 15:30	HIC2012_0453	n.a.	A4.2	N. K. Goel, B. Karki, A. K. Kar, D. S. Ayra	Development of regional flood frequency relationships for Nepal using SRTM data enabled attributes and clustering
Tuesday	17 July 2012	16:00 - 16:20	HIC2012_0345	HYA00327-00605	A4.3	Jens Kiesel, Britta Schmalz, Gaurav Savant, Nicola Fohrer	Across the scales: from catchment hydrology to instream hydraulics

Tuesday	17 July 2012	16:20 - 16:40	HIC2012_0347	HYA00329-00608	A4.3	Seiji Suzuki, Akihide Tada, Wataru Nishida	Development of the numerical simulation model for the water quality changes at the semi-enclosed bay
Tuesday	17 July 2012	16:40 - 17:00	HIC2012_0365	HYA00343-00656	A4.3	Carlos Velez, Leonardo Alfonso, Arlex Sanchez	Use of hydrodynamic models for optimum design of stabilization ponds: case study in Rubiales, Colombia
Tuesday	17 July 2012	17:00 - 17:20	HIC2012_0442	HYA00505-00805	A4.3	Tai Ho Choo, Soo Kwon Chae, Byung Ha Seoh, Hyeon Cheol Yoon	Analysis of influence for sandy meandering river with Dam construction
Tuesday	17 July 2012	9:20 - 9:40	HIC2012_0091	HYA00090-00156	B3.3	Enrico Creaco, Marco Franchini	A new methodology for the design of reliable water distribution networks
Tuesday	17 July 2012	9:40 - 10:00	HIC2012_0114	HYA00111-00415	B3.3	Claudio Arena, Mauro De Marchis, Chiara Maria Fontanazza, Antonino Fortunato, Gabriele Freni, Giuseppe Faso, Mario Rosario Mazzola, Enrico Napoli, Vincenza Notaro, Valeria Puleo	A basic Decision Support System for improving service level in intermittent water distribution systems
Tuesday	17 July 2012	10:00 - 10:20	HIC2012_0136	HYA00132-00227	B3.3	Anna Czajkowska, Tiku Tanyimboh	Maximum entropy design of water distribution systems under multiple operating conditions
Tuesday	17 July 2012	10:20 - 10:40	HIC2012_0151	HYA00144-00262	B3.3	Salah Saleh, Tiku Tanyimboh	Joint Pipe Size and Reliability Design Optimization of Water Distribution Systems
Tuesday	17 July 2012	11:10 - 11:30	HIC2012_0162	HYA00154-00393	B3.4	Carla Tricarico, Rudy Gargano, Giovanni de Marinis, Mark Morley, Zoran Kapelan, Dragan Savic	The Influence of Network Topology on Water Distribution System Performance
Tuesday	17 July 2012	11:30 - 11:50	HIC2012_0229	HYA00209-00385	B3.4	Kent McClymont, Ed Keedwell, Dragan Savic	Automated Construction of Heuristics for the Water Distribution Network Design Problem
Tuesday	17 July 2012	11:50 - 12:10	HIC2012_0223	HYA00204-00375	B3.4	Helena Mala-Jetmarova, Adil Bagirov, Andrew Barton	Framework for Multi-Objective Optimisation of the Operation of Water Distribution Networks Including Water Quality
Tuesday	17 July 2012	12:10 - 12:30	HIC2012_0196	HYA00182-00336	B3.4	Sothea Hong, Pierre-Olivier Malaterre, Gilles Belaud, Cyril Dejean	Optimization of irrigation scheduling for complex water distribution using mixed integer quadratic programming (MIQP)
Tuesday	17 July 2012	13:30 - 13:50	HIC2012_0005	HYA00006-00011	B5.1	Michael Piasecki, Bo Lu	A Workflow Engine based Hydrologic Community Modeling System
Tuesday	17 July 2012	13:50 - 14:10	HIC2012_0062	HYA00062-00108	B5.1	Christopher Hutton, Lydia Vamvakieridou-Lyroudia, Zoran Kapelan, Dragan Savic	Quantifying and reducing urban water system model prediction uncertainty through sequential Monte Carlo sampling.
Tuesday	17 July 2012	14:10 - 14:30	HIC2012_0068	HYA00068-00120	B5.1	Sébastien Barthelemy, Sophie Ricci, Olivier Pannekoucke, Olivier Thual, Pierre-Olivier Malaterre	Data Assimilation on a Flood Wave Propagation Model : Emulation of a Kalman Filter Algorithm
Tuesday	17 July 2012	14:30 - 14:50	HIC2012_0077	HYA00078-00206	B5.1	Abhijit Badwe, Wang Xuan, Rama Rao Karri, Ghada El Serafy, Julius Sumihar, Stef Hummel, Vladan Babovic, Herman Gerritsen	Data Assimilation for Water Levels and Currents in the Singapore Region: An Ensemble Steady State Kalman Filtering Approach
Tuesday	17 July 2012	14:50 - 15:10	HIC2012_0143	HYA00138-00252	B5.1	Fearghal O Donncha, Emanuele Ragnoli, Kostantin Katrinis, Olivier Verscheure, Michael Hartnett	Characterizing observed radial patterns within a bay using HF radar and numerical model simulations
Tuesday	17 July 2012	15:10 - 15:30	HIC2012_0337	HYA00318-00591	B5.1	Gift Dumedah, Paulin Coulibaly	Evolutionary-Based Assmilation: New Prospects for Streamflow Simulation in Ungauged Basins
Tuesday	17 July 2012	16:00 - 16:20	HIC2012_0328	HYA00308-00575	B3.5	Cristina Martin, Eduardo Ayesa	Bayesian calibration of a RWQM1-based river water quality model
Tuesday	17 July 2012	16:20 - 16:40	HIC2012_0371	HYA00349-00655	B3.5	Stefan Kurzbach, Nico Schrage	Automatic Mesh Generation for 2D Hydrodynamic Flood Models from High-Resolution Digital Elevation Data
Tuesday	17 July 2012	16:40 - 17:00	HIC2012_0313	HYA00292-00543	B3.5	Mahmood Reza Shaghaghian, Mohammad Javad Abedini	Rain gauge network design for areal mean rainfall estimation using geostatistics and modified simulated annealing
Tuesday	17 July 2012	17:00 - 17:20	HIC2012_0283	HYA00261-00499	B3.5	Mina Hosseinpourtehrani, Bijan Ghahraman	Optimal Reservoir Operation for Irrigation of Multiple Crops Using Fuzzy Logic
Tuesday	17 July 2012	9:20 - 9:40	HIC2012_0445	HYA00508-00808	E2.1	M. Gini, I. Karavokyris, I. Papanikos, D. Zarris	Development of a suite of software tools for the preparation of the Water Framework Directive River Basin Management Plans in Water Scarce Regions - The case of Pinios basin in Greece
Tuesday	17 July 2012	9:40 - 10:00	HIC2012_0393	HYA00369-00695	E2.1	Christophe Lienert	Hydrometry 2.0 - Real-time hydrometry combined with location based services

Tuesday	17 July 2012	10:00 - 10:20	HIC2012_0423	HYA00401-00747	E2.1	Klaudia Horvath, Eduard Galvis, Manuel Gomez Valentin, Jose Rodellar Benede	Comparison of two control algorithms based on different canal models using numerical simulation and experiments on a laboratory canal
Tuesday	17 July 2012	10:20 - 10:40	HIC2012_0324	HYA00303-00561	E2.1	Simone Patzke, Jan Talsma, Bernhard P. J. Becker, Neeltje Goorden, Dirk Schwanenberg, Geert Prinsen	The National Hydrological Instrument of the Netherlands(NHI)
Tuesday	17 July 2012	11:10 - 11:30	HIC2012_0078	HYA00079-00137	E2.2	Pavel Tachecí, Ada Pandeale, Daniela Radulescu, Tomas Eidsmo, Evžen Zeman, Stanislav Vanecek	Water resources management tools for Mures River basin, Romania
Tuesday	17 July 2012	11:30 - 11:50	HIC2012_0126	HYA00124-00219	E2.2	Blagoj Delipetrev, Andreja Jonoski, Dimitri Solomatine	Development of a Cloud Application for supporting Water Resources Modeling
Tuesday	17 July 2012	11:50 - 12:10	HIC2012_0432	HYA00409-00771	E2.2	Agnes Sakal, James Ball, Allan Seed, Jacob Karmann Larsen	Ensemble Hydro-meteorological Forecast for the Nattai Catchment
Tuesday	17 July 2012	13:30 -13:50	HIC2012_0081	HYA00082-00442	E4.3	Luciano Raso, Dirk Schwanenberg, Tobias Schruoff, Nicolas Failache Gallo	Tree-based model predictive control for optimizing hydro power production and floods
Tuesday	17 July 2012	13:50 - 14:10	HIC2012_0103	HYA00102-00207	E4.3	Abhay Anand, Lakshminarayanan Samavedham, Dirk Schwanenberg, Stefano Galelli, Jose Pinho, Jose Vieira	A Coordination-Based Approach for Real-time Management of Large-scale Water Systems
Tuesday	17 July 2012	14:10 - 14:30	HIC2012_0130	HYA00127-00226	E4.3	Andrea Castelletti, Francesca Pianosi	Improved reservoirs operation by hydroclimatic information
Tuesday	17 July 2012	14:30 - 14:50	HIC2012_0197	HYA00183-00341	E4.3	Ruben Muller, Alemayehu Habte Saliha, Niels Schütze	Finding optimal management strategies: A multi-objective optimization of a multi- reservoir system in the lake Tana region, Ethiopia, using two different generalized reservoir system operation models
Tuesday	17 July 2012	14:50 - 15:10	HIC2012_0338	HYA00319-00659	E4.3	J. M. Maestre, M. D. Doan, D. Muñoz de la Pena, P.-J. van Overloop, T. Keviczky, M. A. Ridao, B. de Schutter	Benchmarking the operation of a hydro power network through the application of agent-based model predictive controllers
Tuesday	17 July 2012	15:10 - 15:30	HIC2012_0272	HYA00253-00482	E4.3	Min Xu, Dirk Schwanenberg	Comparison of Sequential and Simultaneous Model Predictive Control of Reservoir Systems
Tuesday	17 July 2012	16:00 - 16:20	HIC2012_0041	HYA00044-00171	E2.3	Ifigeneia Koutiva, Christos Makropoulos, Nikolaos Voulvoulis	Modelling the combined socio-technical system to support an adaptive approach for integrated water resources management
Tuesday	17 July 2012	16:20 - 16:40	HIC2012_0117	HYA00113-00209	E2.3	David Nijssen, Andreas Schumann	Consideration of spatial dimensions in DSS for Water Management
Tuesday	17 July 2012	16:40 - 17:00	HIC2012_0121	HYA00117-00247	E2.3	Albert Goedbloed, Stefano Galelli, Dirk Schwanenberg, Samuel Jolivet, Kok Meng Tan	Enhancing Real-Time Control of Urban Water Reservoirs with Quantitative Precipitation Forecasts
Tuesday	17 July 2012	9:20 - 9:40	HIC2012_0009	HYA00011-00038	A6.1	Asier Lacasta, Maria Gonzalez-Sanchis, Javier Murillo, Pilar Garcia-Navarro	A compromise between computational load and mesh refinement criteria in 2D hydraulic simulation: a real case of environmental interest.
Tuesday	17 July 2012	9:40 - 10:00	HIC2012_0044	HYA00047-00184	A6.1	Michele Guidolin, Andrew Duncan, Bidur Ghimire, Mike Gibson, Edward Keedwell, Albert S. Chen, Slobodan Djordjevic, Dragan Savic	CADDIES: A new framework for rapid development of parallel cellular automata algorithms for flood simulation
Tuesday	17 July 2012	10:00 - 10:20	HIC2012_0363	HYA00342-00639	A6.1	Thomas Fischer, Wenqing Wang, Norihiro Watanabe, Thomas Schnicke, Olaf Kolditz	Case study: two different techniques TO parallelise Finite Element Simulations
Tuesday	17 July 2012	10:20 - 10:40	HIC2012_0374	HYA00351-00660	A6.1	Claudia Vitolo, Wouter Buytaert, Dominik Reusser	Hydrological Models as Web Services: An Implementation using OGC Standards
Tuesday	17 July 2012	11:10 - 11:30	HIC2012_0157	HYA00149-00397	G2.1	Chi-Yu Li, Vikramjeet Notay, Frank Molkenhth	Time series scenario composition framework in hydroinformatic systems
Tuesday	17 July 2012	11:30 - 11:50	HIC2012_0429	HYA00405-00766	G2.1	YU JIANJUN , LARS CHRISTIAN LARSEN, OLE LARSEN , THOMAS STROTMANN, QIN XIAOSHENG	A WEBGIS-BASED DATA PORTAL FOR NUMERICAL MODELING AND DATA ATALS
Tuesday	17 July 2012	11:50 - 12:10	HIC2012_0344	HYA00326-00604	G2.1	Abbas Roozbahani, Banafsheh Zahraie, Massoud Tabesh	Risk Analysis of Drinking Water Systems by aggregation of Fuzzy Fault Tree Analysis with Bayesian networks and Dempster-Shafer theory
Tuesday	17 July 2012	12:10 - 12:30	HIC2012_0214	HYA00197-00366	G2.1	Chengzi Chew, Jacob Tornfeldt Sorensen, Sandro Carniel	Distribution of field survey data and "MIKE" model results - an approach with SQL and THREDDS
Tuesday	17 July 2012	13:30 -13:50	HIC2012_0085	HYA00084-00144	G1.1	Kunwar Vikram Notay, Leopold Stadler, Franz Simons, Frank Molkenhth, Reinhard Hinkelmann1	Model Coupling in Hydroinformatics Systems through the Use of Autonomous Tensor Objects

Tuesday	17 July 2012	13:50 - 14:10	HIC2012_0039	HYA00042-00451	G1.1	Belen Lopez de San Roman Blanco, James Sutherland, Adrian Harper	pyxis: a workflow manager for integrated modelling
Tuesday	17 July 2012	14:10 - 14:30	HIC2012_0006	HYA00006-00100	G1.1	Michael Piasecki, Peng Ji	Conceptual Development of a Multi-data-type environmental data store
Tuesday	17 July 2012	14:30 - 14:50	HIC2012_0235	HYA00216-00408	G1.1	Alexander Bedig, Alva Couch, Michael Piasecki	Faceted Search for Hydrologic Data Discovery
Tuesday	17 July 2012	14:50 - 15:10	HIC2012_0141	HYA00137-00273	G1.1	Jan Talsma, Bernhard P. J. Becker, Quanduo Gao, Erik Ruijgh	Coupling of multiple channel flow models with OpenMI
Tuesday	17 July 2012	15:10 - 15:30	HIC2012_0293	HYA00272-00549	G1.1	Jelena Batica, Philippe Gourbesville	Approach developed within functional analysis regarding flooding processes in urban areas
Tuesday	17 July 2012	16:00 - 16:20	HIC2012_0074	HYA00073-00132	H1	K.P. Holz, J.A. Cunge, Ph. Gourbesville, F. Molkenhain	What curriculum for Hydroinformatics degrees and diplomas ?
Tuesday	17 July 2012	16:20 - 16:40	HIC2012_0105	HYA00104-00212	H1	Daniele Laucelli, Luigi Berardi, Orazio Giustolisi, Angelo Doglioni	EPR-MOGA-XL: an Excel based paradigm to enhance transfer of research achievements on data-driven modeling
Tuesday	17 July 2012	16:40 - 17:00	HIC2012_0106	HYA00104-00214	H1	Daniele Laucelli, Luigi Berardi, Orazio Giustolisi	An efficient paradigm to transfer research results on data-driven modeling: the case of ANN MOGA-XL
Tuesday	17 July 2012	9:20 - 9:40	HIC2012_0243	HYA00222-00432	D3.1	Dave Birkett, Helena Mala-Jetmarova	Are Risk Mitigation Strategies of Water Critical Infrastructure Adequate within a European Environment of 21st Century?
Tuesday	17 July 2012	9:40 - 10:00	HIC2012_0427	HYA00405-00763	D3.1	ELENA PISON SAN PEDRO, THOMAS MAHL, OLE LARSEN	Near-REAL TIME classification system for extreme rainfall – A DECISION SUPPORT SYSTEM FOR THE PHILIPPINES
Tuesday	17 July 2012	10:00 - 10:20	HIC2012_0341	HYA00322-00601	D3.1	Sheng-Hsueh Yang, Keh-Chia Yeh, Yii-Wen Pan, Jyh-Jong Liao, JIA-JYUN Dong	Rapid and Detailed Assessment for Flood Hazard Caused by Landslide Dam Break
Tuesday	17 July 2012	10:20 - 10:40	HIC2012_0309	HYA00288-00599	D3.1	Franco Lin, Jih-Sung Lai, Wen-Yi Chang, Lung-Cheng Lee, Chin-Hsiung Loh	Real-Time Flood Stage Monitoring for Disaster Prevention at Bridge Site
Tuesday	17 July 2012	11:10 - 11:30	HIC2012_0022	HYA00027-00250	D2.1	Marcin Kawka, Remi Cousson	Numerical modelling as a decision support tool for the design of an early warning system for surface water intake
Tuesday	17 July 2012	11:30 - 11:50	HIC2012_0228	HYA00208-00398	D2.1	Sibren Loos, Kyunghyun Kim, Matthijs Lemans, Eun Hye Na, Arno Kockx, Daniel Twigt	Water quality forecasting at 16 weirs in the four major river basins of Korea in an OpenDA environment
Tuesday	17 July 2012	11:50 - 12:10	HIC2012_0257	HYA00237-00457	D2.1	Francis Campan, Huan Yin, Lionel Fillatre, Paul Honeine, Igor Nikiforov, Cedric Richard, Hichem Snoussi, Nourdine Azzaoui, Blaise Kevin Guepie, Zineb Noumir	Real Time Monitoring for Detection of Pollutant Intrusion into a Drinking Water Network
Tuesday	17 July 2012	12:10 - 12:30	HIC2012_0364	HYA00343-00652	D2.1	Carlos Valez, Leonardo Alfonso, Arlex Sanchez, Alberto Galvis, Gilberto Sepulveda	CENTINELA: Early Warning System for the Water Quality of the Cauca River
Tuesday	17 July 2012	13:30 - 13:50	HIC2012_0080	HYA00081-00274	C1	Lionel Penard, Maxime Morel	Automatic detection of gravel bars in a river channel from airborne LiDAR-derived DTM
Tuesday	17 July 2012	13:50 - 14:10	HIC2012_0282	HYA00259-00619	C1	Thomas Hies, Cuifen Pui, Victor Hoa, Lars Boye Hansen	Determination of TSS Tolerance Limits Based on Remote Sensed Data and Non-Parametric Statistics
Tuesday	17 July 2012	14:10 - 14:30	HIC2012_0356	HYA00336-00644	C1	Biswa Bhattacharya, N PONTIEN	Disaggregation of rainfall data using rainfall estimates from Tropical Rainfall Measuring Mission (TRMM)
Tuesday	17 July 2012	14:30 - 14:50	HIC2012_0323	HYA00301-00559	C1	Dalia Farghaly, Brigitte Urban, Emad Elba	Using Spotlight TerraSAR-X images in screening the Middle Elbe Biosphere Reserve in Lower Saxony
Tuesday	17 July 2012	14:50 - 15:10	HIC2012_0259	HYA00239-00460	C1	Giuliano Di Baldassarre, Guy Schumann, Dimitri Solomatine, Yan Kun, Paul Bates	Global flood mapping: current issues and future directions
Tuesday	17 July 2012	15:10 - 15:30	HIC2012_0030	HYA00033-00067	C1	Ramona Stammermann, Michael Piasecki	Generating numerical model grids using Light Detection And Ranging (LiDAR) data
Tuesday	17 July 2012	16:00 - 16:20	HIC2012_0023	HYA00028-00053	C2	Alexandre Nace, Bastien Lemaire, Emmanuelle Oppeneau, Jean-Philippe Rizza	Nitrascope, protecting drinking water catchment using GIS application
Tuesday	17 July 2012	16:20 - 16:40	HIC2012_0236	HYA00217-00426	C2	Julien Richard, Ioulia Tchiguirinskaia, Daniel Schertzer	GIS data assimilation interface for distributed hydrological models
Tuesday	17 July 2012	16:40 - 17:00	HIC2012_0387	HYA00363-00688	C2	Guillermo Cardoso-Landa	Application of a Geographical Information System to Teziutlan Debris Flows
Tuesday	17 July 2012	17:00 - 17:20	HIC2012_0405	HYA00383-00715	C2	Frank Steinbacher, Martin Pfennigbauer, Markus Aufleger	Airborne Hydromapping - Aerial, high resolution survey of shallow water areas
Wednesday	18 July 2012	9:20 - 9:40	HIC2012_0046	HYA00049-00436	A5.2	Bidur Ghimire, Albert Chen, Michele Guidolin, Edward Keedwell, Slobodan DJORDJEVIC, Dragan SAVIC	A New Two-Dimensional Cellular Automata Approach for Fast Urban Flood Inundation Modelling

Wednesday	18 July 2012	9:40 - 10:00	HIC2012_0202	HYA00187-00465	A5.2	Velitchko Tzatchkov, Victor Hugo Alcocer-Yamanaka	Graph partitioning algorithms for water distribution network sectorization projects
Wednesday	18 July 2012	10:00 - 10:20	HIC2012_0231	HYA00212-00392	A5.2	Arlex Sanchez Torres, Zoran Vojinovic, Roland Price	Exploring the changes in urban drainage networks based in cities future land use changes
Wednesday	18 July 2012	10:20 - 10:40	HIC2012_0386	HYA00362-00683	A5.2	Wassim Abu Abed, Peter Milbradt	Fuzzy Possibilistic Approach to the estimation of Uncertainty in hydrological data and models
Wednesday	18 July 2012	11:10 - 11:30	HIC2012_0059	HYA00059-00115	A5.3	Dirk Schwanenberg, Ian Sheret, Thomas Rauschenbach, Stefano Galelli, Jose Manuel Vieira, Jose Luis Pinho	Adjoint Modelling Framework for Water Resources Models
Wednesday	18 July 2012	11:30 - 11:50	HIC2012_0384	HYA00360-00679	A5.3	Hamish Harvey, Jim Hall	Architecture and evaluation of a prototype web-based analysis tool
Wednesday	18 July 2012	11:50 - 12:10	HIC2012_0210	HYA00192-00358	A5.3	Lhassan Amarsid, Carole Delenne, Jean-Yves Delenne, Vincent Guinot, Farhang Radjai	Surface wave generation by seabed collapse simulated by the coupled Lattice Boltzmann/ Discrete Element Method
Wednesday	18 July 2012	12:10 - 12:30	HIC2012_0142	HYA00137-00479	A5.3	Bernhard P. J. Becker, Dirk Schwanenberg, Tobias Schruoff, Marcus Hatz	Conjunctive Real Time Control and Hydrodynamic Modelling in Application to Rhine River
Wednesday	18 July 2012	9:20 - 9:40	HIC2012_0152	HYA00145-00270	C4	Hermann Stadler, Albrecht Leis, Till Harum, Markus Plieschnegger, Kurt Woletz, Paul Skritek, Andreas H. Farnleitner	Environmental Monitoring: Ubiquitous Real Time Access to Measuring Networks and Location Data enabling Quality Monitoring and Tracking
Wednesday	18 July 2012	9:40 - 10:00	HIC2012_0280	HYA00258-00490	C4	Philippe Gourbesville, Jacques Boudon	ICT for Water efficiency & @qua: initiative: new challenges for hydroinformatics
Wednesday	18 July 2012	10:00 - 10:20	HIC2012_0222	HYA00203-00380	C4	Hans Korving, Sebastiaan Schep, Marie-Josée Leloup, Maarten Ouboter	Combined Ship-based and Stationary Monitoring of the Amsterdam Canals
Wednesday	18 July 2012	10:20 - 10:40	HIC2012_0262	HYA00242-00461	C4	Kay Smarsly, Kincho H. Law	Coupling Wireless Sensor Networks and Autonomous Software for Integrated Soil Moisture Monitoring
Wednesday	18 July 2012	11:10 - 11:30	HIC2012_0279	HYA00258-00489	C5	Philippe Gourbesville, Jelena Batica, Jean Yves Tigli, Kumaran Raju Durairaju, Suresn Natesan, Stephane Lavirotte, Gaetan Rey	Ubiquitous computing for flood warning and forecasting systems: Ubiflood
Wednesday	18 July 2012	11:30 - 11:50	HIC2012_0281	HYA00259-00519	C5	Thomas Hies, Parasuraman Suresh Babu, Yadong Wang, Rudolph Duester, Hans S. Eikaas, Kok Meng Tan	Enhanced Water-Level Detection by Image Processing
Wednesday	18 July 2012	11:50 - 12:10	HIC2012_0367	HYA00345-00664	C5	Leonardo Alfonso, Andreja Jonoski	Mobile phone applications for water management: classification, opportunities and challenges
Wednesday	18 July 2012	9:20 - 9:40	HIC2012_0199	HYA00185-00342	F3.3	Srivatsan V Raghavan, Shuyuan Li, Zehua Fan, Minh Tue Vu, Ngoc Son Nguyen, Jinhui Jeanne Huang, Shie-Yui Liong	Hydrological Response in a changing climate over Haihe River basin in Northern China
Wednesday	18 July 2012	9:40 - 10:00	HIC2012_0327	HYA00307-00573	F3.3	Scott Hagen, Denise DeLorme, Wenrui Huang, Graham Lewis, James Morris, Linda Walters, Dingbao Wang, John Weishampel, Peter Bacopoulos	On the Assessment of Impacts of Sea Level Rise in the Northern Gulf of Mexico
Wednesday	18 July 2012	10:00 - 10:20	HIC2012_0230	HYA00210-00386	F3.3	Lan Hoang, Suraje Dessai, Richard Brazier	Robust adaptation for water resource systems: a case study of drought planning under deep uncertainty
Wednesday	18 July 2012	10:20 - 10:40	HIC2012_0353	HYA00334-00625	F3.3	Wenqiang Wu, Xiaobo Liu, Wenwen Li, Yonghui Yan	Groundwater Quality Assessment in the lower reaches of the Tarim River
Wednesday	18 July 2012	11:10 - 11:30	HIC2012_0147	HYA00141-00758	F3.4	Srivatsan Raghavan, Minh Tue Vu, Nguyen Ngoc Son, Chien Wang, Shie-Yui Liong	Simulations of the indian monsoon in global and regional models
Wednesday	18 July 2012	11:30 - 11:50	HIC2012_0146	HYA00141-00257	F3.4	Minh Tue Vu, Srivatsan Raghavan, Shie-Yui Liong	Future stream flow projections over dakbla river using regional climate model outputs
Wednesday	18 July 2012	11:50 - 12:10	HIC2012_0284	HYA00262-00500	F3.4	Kamran Chapi, Golale Ghafari, Azadeh Katebikurd	Changes in Seasonal Precipitation of Kurdistan Province, Iran
Wednesday	18 July 2012	12:10 - 12:30	HIC2012_0205	HYA00189-00350	F3.4	Hee Jin Noh, Young Do Kim, Boosik Kang, Jae-Ki Shin	Application of Watershed Model for Assessment of Climate Change Impacts on Water Quality in Andong Reservoir, Korea
Wednesday	18 July 2012	9:20 - 9:40	HIC2012_0377	HYA00353-00666	D4.1	Shreedhar Maskey, Andry Rabearivelo	Reliability of flood inundation estimates using a coupled hydrodynamic and hydrological modelling system
Wednesday	18 July 2012	9:40 - 10:00	HIC2012_0209	HYA00192-00356	D4.1	Carole Delenne, Bernard Cappelaere, Vincent Guinot, Jerome Demarty	Sensitivity and uncertainty analysis of flash flood propagation: local vs global approaches.
Wednesday	18 July 2012	10:00 - 10:20	HIC2012_0333	HYA00315-00586	D4.1	Farhad Yazdandoost	Flood Risk Analysis Using Fuzzy Logic

Wednesday	18 July 2012	10:20 - 10:40	HIC2012_0168	HYA00160-00352	D4.1	Daisuke Nohara, Tomoharu Hori	Impact Analysis of Reliability and Discriminability Index of Stochastic Inflow Prediction and Its Application to Long-term Reservoir Operation
Wednesday	18 July 2012	11:10 - 11:30	HIC2012_0069	HYA00069-00119	D4.2	Stefano Alvisi, Marco Franchini, Silvia Barbetta, Florisa Melone, Tommaso Moramarco	A Grey-based methodology for representing uncertainty in discharge measurements at a gauged river site
Wednesday	18 July 2012	11:30 - 11:50	HIC2012_0070	HYA00069-00178	D4.2	Stefano Alvisi, Marco Franchini	Rating curve uncertainty effects on extreme discharge frequency analysis evaluated through a grey-based technique
Wednesday	18 July 2012	11:50 - 12:10	HIC2012_0350	HYA00332-00616	D4.2	Dieter Ackermann, Thomas Einfalt, Jurgen Lang	Flood warning for the creeks of Hamburg
Wednesday	18 July 2012	12:10 - 12:30	HIC2012_0292	HYA00270-00564	D4.2	Ebrahim Badalibavani, Massoud Tabesh, Abbas Roozbahany	Risk assessment and management of wastewater treatment plants using a fuzzy multi-attribute decision-making approach