

FLOODrisk2016 Detailed Programme

Monday 17th October 2016

14:00 - 17:30	Reception Hall, CCC Lyon	Registration
09:30-17:45	Espace Rhône, CCC Lyon	Side Event: Previrisq
09:30-17:45	Irstea Villeurbanne	Side Event: Working group on Levees and Flood Defences of the European Club of ICOLD
18:00 - 20:00	Foyer Lumière, CCC Lyon	Ice Breaker Joint Reception with Previrisq Wine tasting offered by 10 local wineries from the group Terra Vitis

Tuesday 18th October 2016

09:00 - 10:30	Lumière Auditorium, CCC Lyon	Opening Ceremony: Chair: Raoul Mille
	Welcome to Lyon French policy on Flood Risk Management Research on Flood Risk at Irstea The Flood Directive and its Implementation Historic floods in France	Jean-Luc da Passano (Grand Lyon, France) Marc Mortureux (General Directorate for Risk Prevention, French Ministry of Environment Energy and the Sea, France) Pierrick Givone (Director General for Research and Innovation, Irstea) Mark Adamson (OPW, Ireland) Nicolas Bauduceau (Scientific director, CEPRI, France)
11:00 - 12:30	Lumière Auditorium, CCC Lyon	Plenary session- Working together to manage Risk: Chair: Paul Samuels
	The added value of sharing experience (FRM, levee management, ...) Early Warning Using Multidisciplinary Approaches on Flood Disaster Risk Management Involvement of communities in FRM Previrisq (Flood and Drought) Cerema (Silver Sponsor) CNR (Silver Sponsor)	Erik Wagener (Director of the Waterboard Drents Overijsselse Delta) Eduardo Mario Mendiola (Brazilian centre for natural disaster warning) Claire Twigger-Ross (Collingwood Environmental Planning) Frédéric Molossi, President of AFEPTB et Marc Foret Président du jury PREVIRISQ INONDATIONS 2016 Mr Yann DENIAUD, CEREMA, PhD in Earth Sciences CNR
12:30 - 13:30	Games Room - Salon Lumière, CCC Lyon	Circle – Critical Infrastructures: Relations and Consequences for Life and Environment - Deltares
13:15 - 14:00	Forum 1&2	Poster Session

POSTER SESSION:

- Group 1 (topics 1.1, 1.2, 1.3 : 14 posters)
- Group 2 (topics 2.1, 2.3 : 7 posters)
- Group 3 (topics 4.1, 4.2 : 8 posters)
- Group 4 (topics 6.1, 6.2, 6.4, 6.5 : 12 posters)

14:00 - 15:30	PREVIRISQ: SELECTED FRENCH PROJECTS IN FRM	Room 1 - Auditorium	PROBABILITY OF FLOODS AND STORMS 1	Room 2 - St Clair 1 Chair: M. Lang	EU FLOODS DIRECTIVE & INTERNATIONAL BASINS	Room 3 - St Clair 2 Chair: P. Samuels	POLICY APPRAISAL, INVESTMENT PLAN & DECISION MAKING TOOLS 1	Room 4 - St Clair 3 Chair: F. Klijn	PUBLIC EDUCATION & ENGAGEMENT	Room 5 - Saint Clair 4 Chair: L. McEwen	RISK EVALUATION & ASSESSMENT 1	Room 6 - Roseaie 1+2 Chair: E. Gaume
	A side event called "Previrisq" is organized on Monday 17th by AFEPTB (French Association of River Basin Organizations). This special session will focus on a selection of French territorial projects that have succeeded in integrating different aspects of flood risk management.	Chair - Catherine Gremillet	Synthetic events for flood risk calculation by using a nested Copula structure	M.Sc Tim Franken	French national policy for flood risk management	Bréangère Basin	Supporting decision-making for channel conveyance maintenance	Dr Marta Roca	Direct action self-help (DASH) groups in UK flood risk management	Mr. Jonathan Simm	Believe it or not? The challenge of validating large scale probabilistic risk models	Eurling. Paul Sayers
			Spatial analysis and simulation of extreme coastal flooding scenarios for national-scale emergency planning	Dr David Wyncoll	EU-Floods Directive implementation in Austria	Clemens Neuhold	Economically optimal safety targets for riverine flood defence systems	MSc Guy Dupuits	Does flood risk information held within at risk population always have a positive impact? An evaluation of the effects of French regulatory tools in Orleans.	Mr. Julien Jadot	Large-scale flood risk assessment using a coupled model chain	Prof. Bruno Merz
			Development of large scale inland flood scenarios for disaster response planning based on spatial/temporal conditional probability analysis	Prof. Rob Lamb	Danish Risk Management Plans of the EU Floods Directive	Mr. Martin Jebens	Design criteria for flooddefence structures based on probabilistic cost-benefit optimization with value at risk (VaR) methods	Mr Eduardo Garcia Alonso	Exploring the co-production of digital storytelling for lay knowledge exchange within and between flood risk communities: the case of the River Severn, UK	Dr Andrew Holmes	Large-scale and Highresolution Flood Risk Model for Japan	Dr. Anongnart Assteerawatt
			Assessing coastal flooding hazard in urban areas: the case of estuarine villages in the city of Hyères-Palmiers	Mr. Sylvestre Le Roy	Lessons learned from the preparation of the flood risk management plans on the Seine basin and perspective	Dr Sébastien Dupray	The use of equivalent annual cost in flood risk reduction strategies	MSc Maarten Schoemaker	ORRION : A French – German website to share and rebuilt flood risk culture	Dr. Brice Martin	Flood Risk Management with HEC-WAT and the FRA Compute Option	Mr. Christopher Dunn
	National scale multivariate extreme value modelling of waves, winds and sea levels	Mr. Ben Gouldby	Developing a national programme of flood risk management measures: Moldova	Mr David Ramsbottom	Alternative business models for flood risk management infrastructure	Dr Claire Walsh	Citizen Observatories, the challenges beyond making the technology work: lessons from the WeSenseIt project	Dr Simon McCarthy	Assessing fluvial flood risk in urban environments: a case study	Prof. Giuseppe Aronica		
	Improving statistical models for flood risk assessment	Dr Ross Towe	Flood risk management objectives and Romanian catalog of potential measures for flood prevention, protection and mitigation	Mr Mirel Bogdan Ion	Long Term Investment Scenarios and an Opportunity to Collaborate	Dr. Claire Walsh	SuDS and human behaviour: Co-developing solutions to encourage sustainable behaviour	Dr Glyn Everett	CRAF Phase 1, a framework to identify coastal hotspots to storm impacts	Dr Oscar Ferreira		

Tuesday 18th October 2016

16:00 - 17:30	FORECASTING AND WARNING 1	Room 1 - Auditorium Chair: O. Payrastra	PROBABILITY OF FLOODS AND STORMS 2	Room 2 - St Clair 1 Chair P. Prinos	EVACUATION AND EMERGENCY MANAGEMENT PLANNING 1	Room 3 - St Clair 2 Chair: P. Samuels	PHYSICAL, ECONOMIC & ENVIRONMENTAL CONSEQUENCES 1	Room 4 - St Clair 3 Chair: F. Grelot	RISK PERCEPTION & COMMUNICATION	Room 5 - St Clair 4 Chair: B. Janet	FIRST ROUND OF IMPLEMENTATION OF THE EU FLOODS DIRECTIVE	Room 6 - Roseaie 1&2
	Probabilistic flood forecasting on the Rhone River: evaluation with different precipitation forcing	Joseph Bellier	SHYREG, a national database of flood frequency estimation.	Mr Patrick Amaud	Possibilities of neighborhood evacuation within a district in the event of a large-scale flood in a low-lying area: A case study of Shinden district in Tokyo	Dr. Hitoshi Nakamura	Lifecycle Problems in Consequence Estimation	Mr William Lehman	Public flood prevention policies and individual measures to protect against floods in France	Dr Katrin Erdlenbruch	In this special session, some feedback on the views of the authorities for the Member States will be given on the successes and difficulties of the first cycle implementation of the EU Floods Directive, and the challenges and opportunities of the second cycle, as captured at a workshop in Vienna in April 2016	Chair: Mark Adamson (OPW)
	Dealing with rainfall forecast uncertainties in real-time flood control along the Demer river	Mr Evert Vermuyten	An updated USACE approach to the evaluation of coastal total water levels for present and future flood risk analysis	Ms. Heidi Moritz	Comparison of evacuation methods used in the Netherlands and the USACE Dam and Levee Safety Programs for the Natomas Basin (CA)	PhD Bas Kolen	An Empirical, Functional Approach to Depth Damages	Mr William Lehman	From the risk culture to the local cultures of risk. An ethnographic investigation of living with a constant flood risk in the South East of France.	Dr Séverine Durand		
	A space-time geostatistical approach for ensemble rainfall nowcasting	Angélica Nardo Caser	FEH Local: Improving flood estimates using historical data	Lisa Stewart	Risk based decision making for evacuation in an uncertain world	PhD Bas Kolen	Comprehensive flood economic losses: review of the potential damage and implementation of an agricultural impact model	Miss Gwladys Mao	Sustainable flood memories, lay knowledges and the development of community resilience to future flood risk	Prof. Lindsey McEwen		
	Assessing flood forecast uncertainty with fuzzy arithmetic	Angélica Nardo Caser	Reducing uncertainty in small-catchment flood peak estimation	Dr Gianni Vesuviano	Use of agent-based modelling in emergency management under a range of flood hazards	Mr. Andrew Tagg	Tracing the value of data for flood loss modelling	Dr.-Ing. Kai Schröter	Dynamic flood webmapping: an operational and cost-limited tool to optimize crisis management	Mr Marc Delbec		
	Operational forecast uncertainty assessment for a better information of stakeholders and crisis managers	Dr Bertrand de Bruyn	Failure probability of regional flood defences	MSc Kasper Lendering	Impacts of Surface Water Flooding on the Response Times of Emergency Services	Dr. Ian Pattison	Application of an EarthObservation-based building exposure mapping tool for flood damage assessment	Dr. Silvia De Angeli	Diachronic analysis of vulnerability: insights from an approach combining economical potential damage and perception of risk	Dr Carine Heitz		
	Methods and tools to support real time risk-based flood forecasting - a UK pilot application	Mrs Emma Brown	An Inventory and Riskbased Prioritization of Steep Creek Fans in Alberta	Kris Holm			Flood damage data analysis: towards an improvement of data quality and usability	PhD Daniela Molinari				

17:30 - 18:30	Games Room - Salon Lumière, CCC Lyon	HR Wallingford - Demonstration of recently updated methods and tools to support the reliability analysis of flood defences, with case study applications
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Wednesday 19th October 2016

09:00 - 10:30	Lumière Auditorium, CCC Lyon	Plenary Session - Lessons learnt from recent events Chair: Hans Pietersen
	US policy and lessons learned (Sandy)	Roselle Henn (USACE, USA)
	UK Floods since 2012	David Rooke (Deputy Chief Executive, Environment Agency, UK)
	The recent devastating Mediterranean flash floods in France: causes and consequences	Eric Gaume (Ifsttar, France)
	Lessons learned from recent floods in Central Europe: hydrological and psychological considerations	Bruno Merz (University of Potsdam, Germany)

11:00 - 12:30	HAZARD ANALYSIS AND MODELLING 1	Room 1 - Auditorium Chair: P. Samuels	DISASTER MANAGEMENT AND RECOVERY	Room 2 - St Clair 1 Chair: D. Serre	LEARNING FROM PAST EVENTS	Room 3 - St Clair 2 Chair: M. Borga	NON-STRUCTURAL MEASURES & INSTRUMENTS 1	Room 4 - St Clair 3 Chair: I. Vanicek	RESIDUAL RISK AND INSURANCE	Room 5 - St Clair 4	ENHANCING GOVERNANCE OF EU-FRM PROGRAMS	Room 6 - Roseraie 1&2
	The RMS US inland Flood Model	Dr Sonja Jankowsky	Promoting adaptive flood risk management: the role and potential of flood recovery mechanisms	Dr. Sally Priest	Post-flood damage data: requirements for disaster forensic investigation	Martin Dolan	A new standard for flood resistance and resilience of buildings: new build and retrofit	Mr. Andrew Tagg	Surface water flood risk and management strategies for London: An Agent-Based Model approach	Dr Katie Jenkins	What works and what is still missing when implementing Flood Risk Management programmes and projects? Which elements are important and how does it work in practice? Answers to those questions come in many varieties, but what elements and trends are in fact interchangeable across programs and projects in Europe and beyond? During this special session the Dutch Flood Protection Program, the UK Environment Agency and the French MEEM/ DGPR make a first start by presenting cases from their respective countries, and share their analysis and best practices	Chair: JJasper Luiten (NL-DFPP) Ellen Tromp (NL-DFPP) Ruth Allin (UK-EA) Caroline Wittwer (FR-BRGM)
	Concepts and applications of the Flanders Hydrological Model Environment	Dr. Thomas Vansteenkiste	Post-disaster recovery : how to encourage the emergency of economic and social dynamics to improve resilience?	Miss. Annabelle Moatty	Learning from and for rare floods in Dresden – how public officials interpret damage simulation results at the building type level	Dr. Gerard Hutter	Thriving With Water: Developments in amphibious architecture in North America	Dr. Elizabeth English	Willingness of residents to invest on flood mitigation measures and to purchase flood insurance	MSc Anne-Marie Rytkonen		
	Long-term experiences with pluvial flood risk management	Mrs. Kathrina Fritsch	Post-disaster recovery: the challenge of anticipation	Dr Gwenael Jouannic	Lessons learnt from recent citizen science initiatives to document floods in France, Argentina and New Zealand	Dr. Jérôme Le Coz	ANSI / FM Approvals 2510 flood abatement equipment test standard	Mr Frédéric Kravetz	Property Flood Resilience Database: An Innovative Response to the Insurance Market	Dr. Stephen Garvin		
	BDHI : a French national database on historical flood	Dr. Michel Lang	Citizen involvement in flood risk governance: flood groups and networks	Dr Clare TwiggerRoss	Lessons from the Autumn 2014 flash floods in the city of Nîmes and its neighborhood (France): behavior of several mitigation dams and hydrological analysis	Dr Catherine Fouchier	Flood Label for buildings – a tool for more flood-resilient cities	Dr. Thomas Hartmann				
	Advances in flash floods understanding and modelling derived from the FloodScale project in SouthEast France	Dr Isabelle Braud	RISC-KIT: Resilience increasing Strategies for Coasts	Dr. Ap Van Dongeren	Collection, storage and management of high water marks data: praxis and recommendations	M. Olivier Piotte	Building resilient and sustainable: a need to compartementalise the researches on resilience, energy efficiency and adaptation to climate change	Dr Jean-Marie Cariolet				
	Analytic Back Calculation of Debris Flow Damage Incurred to a Masonry Building: The Case of Scaletta Zandrea 2009 Event	Prof. Giuseppe Aronica	Impact of the new Sendai framework for disaster risk reduction on Paris flood prevention program	Mr Regis Thepot			Resilience in the built environment: How to evaluate the impacts of flood resilient building technologies?	Mr. Sebastian Golz				

12:30 - 13:30	Games Room - Salon Lumière, CCC Lyon	XPSWMM - demonstration of XPSWMM : Storm, Sewer and Flood Model. XP Solutions
13.15 - 14.00	Forum 1&2	Poster Session: Group 5 (topic 1.4/part 1 : 12 posters) Group 6 (topics 3.1, 3.2 : 11 posters) Group 7 (topics 4.3, 4.4, 4.5 : 11 posters)

Wednesday 19th October 2016

14:00 - 15:30	FORECASTING AND WARNING 2	Room 1 - Auditorium Chair: A. Paquier	RISK EVALUATION & ASSESSMENT 2	Room 2 - St Clair 1 Chair: F. Klijn	CLIMATE CHANGE	Room 3 - St Clair 2 Chair: B. Gouldby	VULNERABILITY AND SOCIETAL RESILIENCE 1	Room 4 - St Clair 3 Chair: E. Penning-Roswell	LOSS-OF-LIFE ESTIMATION & MODELLING	Room 5 - St Clair 4 Chair: S. Priest	NATURAL AND NATURE BASED SOLUTIONS FOR FLOOD DEFENCE	Room 6 - Roseaie 1&2
	A Surface Water Flooding Impact Library for Flood Risk Assessment	Mr Tim Aldridge	River corrections and longterm changes in flood risk in the Aare valley, Switzerland	Dr. Andreas Paul Zischg	Extreme sea levels under present and future climate: a pan-European database	Mr Dominik Paprotny	Heavy rainfall: An underestimated environmental risk for buildings?	Prof Thomas Naumann	Flashflood related mortality in southern France : First results from a new database	Freddy Vinet	In this workshop we want to share with you the state-of-the-art in Nature Based Flood Defence Solutions, and discuss with you the pro's and con's of these measures. We want to know what makes them specifically successful or difficult to implement in different countries around the world, in order to come to a better understanding of their potential impact in the global DRR strategies.	Chair: Ellis Penning (Deltares)
	From high waters forecasts to flooded areas forecasts	Ms Aurelie Escudier	Risk-informed local action planning against flooding: lessons learnt and way forward for a case study in Spain	Ms. Jessica Castillo	Joint probability analysis of extreme wave heights and storm surges in the Aegean Sea in a changing climate	Prof. Panayotis Prinos	Assessing flash flood vulnerability using a multivulnerability approach	Dr. Thomas Thaler	Lessons from analysing mortality from six major flood events in France (1930-2010)	Dr. Martin Boudou		
	Development of Generic Tools for Coastal Early Warning and Decision Support	MSc Tom Bogaard	Towards a whole-network risk assessment for railway bridge failures caused by scour during flood events	Professor Rob Lamb	Coupling a global climatic model with insurance impact models for flood and drought: an estimation of the financial impact of climate change	Dr David Moncoulon	Vulnerability to flooding of public facilities: development and implementation of a methodological guide at the Gironde Department territory level for 80 sites vulnerability assessment	Gwendal Sénécha	The US Army Corps of Engineers Scalable Approach to Estimating Loss of Life from Flooding	Jason Needham		
	Rainfall thresholds derivation for warning pluvial flooding risk in urbanised areas	Prof. Giuseppe Aronica	Uncertainty in Dam Failure Consequence Estimates	Greg Paxson	Methodology to assess coastal infrastructure resilience to climate change	Dr Marta Roca	SESAME: Exploring small businesses' behaviour to enhance resilience to flooding	Dr Graham Coates	Loss of life estimation – review, developments and challenges	Prof. Bas Jonkman		
	Real-time flood inundation forecasting and mapping for key railway infrastructure: a UK case study	Mr Ben Gouldby	Hydrodynamic system behaviour: its analysis and implications for flood risk management	Dr. Karin de Bruijn	Integrated approach for the revision and adaptation of road drainage to climate change	Engineer Marco Rodrigo López	Spatiotemporal aspects of flood exposure in Switzerland	Veronika Röthlisberger				
	How to manage flood forecasting in a catchment with high flood risk - experiences from the Emscher	Alexander Hartung	Building network-level resilience to resource disruption from flooding: Case studies from the Shetland Islands and Hurricane Sandy	Prof. Richard Dawson	Is hydraulic safety of dams challenged by the climate change?	Dr Philippe Cantet	Flood Action Programs (PAPI): rating the flood's collective vulnerability through the implementation of an integrated public policy too	Mrs Flora Guillier				

Wednesday 19th October 2016

16:00 - 17:30	FORECASTING AND WARNING 3	Room 1 - Auditorium Chair: L. Berthet	NON-STRUCTURAL MEASURES & INSTRUMENTS 2	Room 2 - St Clair 1 Chair: A. Recking	HAZARD AND RISK MAPPING	Room 3 - St Clair 2 Chair: J.L. Delgado	PERFORMANCE AND BEHAVIOUR OF FLOOD DEFENCES 1	Room 4 - St Clair 3 Chair: M. Van	ETHICS, EQUITY AND SOCIAL RESPONSIBILITY	Room 5 - St Clair 4 Chair: F. Vinet	RISK MODEL VALIDATION (SPECIFIC TO GLOBAL RISK)	Room 6 - Roseaie 1&2
	Understanding the national performance of flood forecasting models to guide incident management and investment	Dr Steven Wells	Assessment of flood loss model transferability considering changes in precaution of flood-affected residents in Germany	Sarah Kienzler	Flood Risk to the Strategic Road Network in England	Dr Bary Hankin	Unveiling the consequences of your breach growth model choice	Mr. Patrik Peeters	Flood risk management and 'fairness': aspirations and reality	Prof. Edmund Penning Rowsell	This session at Floodrisk 2016 will provide an opportunity to discuss the key challenges in flood hazard estimation and risk assessment, for fluvial, pluvial, coastal, and flash floods; to report on new results in flood risk model validation; to discuss with policy makers and private sector; and to set priorities for the research agenda on flood risk validation.	Chair: Karin de Bruijn (Deltares)
	Setting up a French national flash flood warning system for ungauged catchments based on the AIGA method	Dr Pierre Javelle	Risk reduction by combining nature values with flood protection?	Mrs. Jantsje M. van Loon-Steensma	The use of a flood index to characterise flooding in the north-eastern region of Bangladesh	Dr Biswa Bhattacharya	Refurbishment and Installation of a Monitoring and Early Warning System on the Sieroz Embankments in Aix-les-Bains, France	Mr. Jean-Robert Courvaud	Distributing responsibilities for safety against flooding	Dr. Neelke Doorn		
	Regional models for distributed flash-flood nowcasting: towards an estimation of potential impacts and damages.	Dr Olivier Payrastré	Floodplains: the forgotten and abused component of the fluvial system	Dr Neil Entwistle	RISK VIP : Evaluation of flood risk on the French railway network using an innovative GIS approach	Mr. Mark Cheetham	On the importance of analyzing flood defense failures	MSc Ece Özer,	Accounting for risk aversion, income distribution and social welfare in cost-benefit analysis for flood risk management	Mr. Jarl Kind		
	Real-time forecasts of flood hazard and impact: some UK experiences	Dr Steven Cole	The Risk-Based Floodplain Regulation of Shiga Prefecture in Japan	Dr. Hitoshi Nakamura	Use of post-event surveys of impacts on railways for the evaluation of the IRIP method for surface runoff mapping	Lilly-Rose Lagadec	Time-dependent Reliability Analysis of Flood Defence Assets Using Generic Fragility Curve	Professor HuaPeng Chen				
	Prototypes of risk-based flood forecasting systems in the Netherlands and Italy	Dr.-Ing. Daniel Bachmann	Planning in urban flood prone areas: Focus on six principles to reduce urban vulnerability	Project Manager Anne-Laure Moreau	Assessment of vulnerability to storm induced flood hazard along diverse coastline settings	Dr Nikolay Valchev	River Loire levees hazard studies – CARDigues' model principles and utilization examples on Blois levees	Edouard Durand				
	Development of A Flood Warning Simulation System: A Case Study of 2007 Tewkesbury Flood	Dr Chen Wang	The problems of the late implementation of the legal prevention measures for flood risk	Ms Sanseverino-Godfrin Valérie	Flood Maps in the Czech Republic: Content, Perception and Information value	Mgr. Bc. Kamila Klemešová	Probabilistic Flood Defence Assessment Tools	MSc Robert Slomp				

17:30 - 18:30	Games Room - Salon Lumière, CCC Lyon	RYTHMME - is a forecasting platform for natural disaster associated with precipitation - Presentation by Irstea
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Thursday 20th October 2016

09:00 - 10:30	HAZARD ANALYSIS AND MODELLING 2	Room 1 - Auditorium Chair: M. Lang	LONG-TERM PROTECTION & PREVENTION MEASURES 1	Room 2 - St Clair 1 Chair: G. Monacelli	CRITICAL INFRASTRUCTURE AND CASCADING IMPACTS	Room 3 - St Clair 2 Chair: B. Bedhun	POLICY APPRAISAL, INVESTMENT PLANNING AND DECISION MAKING TOOLS 2	Room 4 - St Clair 3 Chair: J. Schanze	MANAGEMENT & MAINTENANCE OF INFRASTRUCTURE	Room 5 - St Clair 4 Chair: P. Royet	COMMUNITIES OF PRACTICE IN FLOOD RISK AND LEVEE MANAGEMENT	Room 6 - Roseraie 1&2
	SIRS Dignes V2 : A Cooperative Software For Levees Management	Mr David Boggio	Taking into account protective works in landuse planning for mountain torrential floods: state of the art of present French practices	Mr. Félix Philippe	Impact of extreme weather on critical infrastructure: the EU-INTACT risk framework	Mr. Andrew Tagg	Reflecting Societal Values in Designing Flood Risk Management Strategies	Mr. Mark Adamson	Flood protection structure detection with Lidar: example in french Mediterranean river and coast	Engineer Celine TRIMAL	This special session will give you in four short pitches (max 5 minutes) examples of both formal and informal networks which already exist. What we are searching for and where we need your help and input is defining topics you are struggling with to get to a higher level of professionalism and where already somewhere else in the flood risk colleagues, not necessarily from your organisation or even your country, can help you.	Chair: Ludolph Wentholt (STOWA)
	Predicting the flow in the floodplains with evolving land occupations during extreme flood events (FlowRes ANR project)	Dr Sébastien Proust	Flood protection as a key-component of the environmental restoration of Canal del Dique, Colombia	MSc Marius Sokolewicz	EU-INTACT-case studies: Impact of extreme weather on critical Infrastructure	Mr. Kees van Ruiten	Strengthening and redesigning flood risk governance in Europe: an overview of eight key issues and how they are being dealt with in six European countries	Asset management planning – providing the evidence to support robust and risk-based investment decisions	Dr Chrissy Mitchell			
	Study on physical model of the crossing of the Rhône flood plain by a new railway line near Lyon	Mr. Sébastien Derrien	Establishing vegetated foreshores to increase dike safety along lake shores	Dr. Ellis Penning	Advanced methodology for risk and vulnerability assessment of interdependency of critical infrastructure in respect to urban floods	Pr Damien Serre	Progress and Challenges in Fostering Risk Prevention and Mitigation in a crosscountry comparative perspective – OECD case study on the Rhone River	Toulouse dykes: reducing failure hazard combining structural reinforcement works and organization measures	Mr Jeremy Savatier			
	Flood Modeling and Simulation using iRIC: A Case Study of Kabul City	Mr Jamal Abdul	Effectiveness and applicability of flood barriers for risk mitigation in flashflood prone Mediterranean area	Prof. Giuseppe Aronica	Local authorities facing flood related networks failures	Mrs Violette Gallet	Coastal hazard mapping: which obstacles prevent the stakeholders from reaching a consensus	Risk Assessment and Economic Appraisal of Protection Methods for the Tarascon-Arles Railway Embankmen	Mr. Mark Cheetham			
			Inventory of armourstone	Mr Valéry Le Turdu	Flood vulnerability of critical infrastructure in Cork, Ireland	Dr. Karin de Bruijn	Partnership funding in flood risk management: multi-level stakeholder engagement - a question of roles and power	Impact of lime treated soils performance on design of earthfill dikes	Mr Nicolas Nerincx			
			A pilot flood retention area in La Bassée: the first step of a wider project to protect the Paris region against high flood events	Ms Claudine Jost	Cascading Events. Technology and Floods Directive: future challenges	Gianluca Pescaroli	Partnership approaches in flood risk management: lessons from the Eastern Alps	DIDRO Project – New means for surveying dikes and similar flood defense structures	Mr Frédéric Pons			
					Disruption and adaptation of urban transport networks from flooding	Ms. Maria Pregnotato						

Thursday 20th October 2016

11:00 - 12:30	HAZARD ANALYSIS AND MODELLING 3	Room 1 - Auditorium Chair: M. Erlich	PHYSICAL, ECONOMIC AND ENVIRONMENTAL CONSEQUENCES 2	Room 2 - St Clair 1 Chair: B. Merz	VULNERABILITY AND SOCIETAL RESILIENCE 2	Room 3 - St Clair 2 Chair: S. Garvin	PERFORMANCE AND BEHAVIOUR OF FLOOD DEFENCES 2	Room 4 - St Clair 3 Chair: M. Sharp	ADAPTATION TO LONG TERM CHANGE	Room 5 - St Clair 4 Chair: M. Vuillet	COMMUNITY OF USERS IN EMERGENCY MANAGEMENT	Room 6 - Roseraie 1&2
	Impact of modelling scale on probabilistic flood risk assessment: the Malawi case.	Silvia De Angeli	Comparing post-event and pre-event damage assessment: Information gaps and lessons learnt	Guido Minucci	Pieces of kit are not enough: the role of infrastructure in community resilience	Ms Paula Orr	Evaluation of Temporary Flood-fighting Structures	Dr. Johannes Wibowo	Bresle Somme Authie long term coastal submersion and flood Management Plan	Mrs Agnes Cabal	This special session will discuss how science and policy might be linked to deliver practical tools and knowledge in support of a Community of Users on Secure, Safe and Resilient Societies, initiated within the framework of Horizon2020 and further supported through the H2020 project Anywhere. Practice in the Netherlands will be taken to illustrate one way of knowledge management that has been successfully implemented, providing tangible gains for those stakeholders involved.	Chair: Philippe Quevauviller (DG)
	Uncertainty with friction parameters and impact on risk analysis	Dr Tom Willis	The costs and impacts of the winter 2013/14 floods in England and Wales	Miss Teresa Fenn	A novel approach to flood risk assessment: the Exposure-Vulnerability matrices	Prof. Giuseppe Aronica	Study of the effect of burrows of European Badgers (Meles meles) on the initiation of breaching in dikes	Miss Maria Luisa Taccar	Implementing new flood protection standards: obstacles to adaptive management and how to overcome these	Prof. dr Frans Klijn		
	Applying emulators for improved flood risk analysis	Miss Sajni Malde	Damage assessment in the stress field of scale, comparability and transferability	Dr. Andre Assmann	The Holistic Integrity Test (HIT) - Quantified Resilience Analysis	Mr Michael Dobson	Aloha: An innovative system for surveillance of hydraulic structures	M Paul-Henri Faure	Flood resilience in the context of shifting patterns of risk, complexity and governance: An exploratory case study	Dr. M McGuinness		
	Probabilistic modeling of vulnerability of road infrastructures to floods	Dr. Marco Uzieli	Flood damage functions: Insights from the French methodology used for economic activities	Dr. Frederic Grelot	Vulnerability and social resilience: comparison of two neighborhoods in New Orleans after hurricane Katrina	Jeanne Leroy	Coastal flood protection systems – concepts and analysis	M. Marc Igigabel	Exploring adaptation pathways in terms of flood risk management at a city scale – a case study for Shanghai city	Dr. Qian Ke		
			Tangible and Intangible Flood damage evaluation	Sara Frongia	Resilience in flood risk management – Exploring its added value for science and practice	Prof. Jochen Schanze	Interpreting the impact of flood forecasts by combining policy analysis studies and flood defence	MSc Robert Slomp	The analysis of future flood risk in the UK using the Future Flood Explorer	Eurling. Paul Sayers		
			Using HEC-FIA to identify Indirect Economic Losses	Mr William Lehman	Increasing small business resilience to flood risk: Co-production in the development of a prototype e-learning tool to promote small business adaptation to flood risk	Prof. Lindsey McEwen	The risk analysis of levee systems: a comparison of international best practices	Dr Remy Tourment	Optimization of urban spatial development against flooding and other climate risks, and wider sustainability objectives	Prof. Richard Dawson		

12:30 - 13:30	Games Room - Salon Lumière, CCC Lyon	Safe Cluster - different SMEs will present their original activities.
13.15 - 14.00	Forum 1&2	Poster Session: Group 8 (topic 1.4/part 2 : 9 posters) Group 9 (topics 3.3, 3.4 : 10 posters) Group 10 (topics 5.1, 5.2, 5.3 : 12 posters)

Thursday 20th October 2016

14:00 - 15:30	FORECASTING AND WARNING 4	Room 1 - Auditorium Chair: H. Madsen	EVAUATION & EMERGENCY MANAGEMENT PLANNING 2	Room 2 - St Clair 1 Chair: A. Moores	POLICY APPRAISAL, INVESTMENT PLANNING & DECISION MAKING TOOLS 3	Room 3 - St Clair 2 Chair: A. Tagg	PERFORMANCE AND BEHAVIOUR OF FLOOD DEFENCES 3	Room 4 - St Clair 3 Chair: R. Tourment	LONG-TERM PROTECTION & PREVENTION MEASURES 2	Room 5 - St Clair 4 Chair: M. Morris	INNOVATIVE SOLUTIONS FOR URBAN FLOOD RISK RESILIENT CITIES	Room 6 - Roseaie 1&2
	Assessing the exposure to floods to estimate the risk of flood-related damage in French Mediterranean basins	Clotilde Saint-Martin	Use of agent-based modelling in emergency management under a range of flood hazards	Mr. Andrew Tagg	Uncertainty and sensitivity analysis of flood risk management decisions based on stationary and nonstationary model choices	Balqis Mohamed Rehan	Applying Mechanistic Dam Breach Models to Historic Levee Breaches	Mr Paul Risher	International approaches to the hydraulic control of surface water runoff in mitigating flood and environmental risks	Bridget WoodsBallard	Urban resilience is more and more considered as a way to cope with the challenge of flood disasters. The session aims to (1) highlight opportunities and obstacles of resilient urban planning and design (2) close the gap between hydraulic engineers and city planners.	Chair: Nicolas Bauduceau (CEPRI)
	Integrated representation of hydropower facilities in an operational flood warning system for a mountainous watershed	Aurélien Claude	Impacts of Surface Water Flooding on the Response Times of Emergency Services	Dr. Ian Pattison	Integrated water resource and flood risk management: comparing the US and the EU	Dr Anna Serrallobet	Modelling erosion development during wave overtopping of an asphalt road covered dike	MScAnouk Bomers	The North Atlantic Coast Comprehensive Study and the US Army Corps of Engineers Sandy Recovery Program	Ms Roselle Henn		
	Influence of the spatial variability of rainfall on hydrograph modeling at catchment outlet: a case study in the Cevennes region, France.	Dr Olivier Payrastré	Enhancing flood scenario for crisis management training with flood modelling	Noémie Fréal	A new approach for a renewed flood risk management in Flanders; the pilot case of the Maarkebeek catchment	Mrs. Neel Devroede	Comparing overflow and wave-overtopping induced breach initiation mechanisms in an embankment breach experiment	Dr Myron van Damme	Towards a better understanding of the today French torrents management policy through a historical perspective.	Mr Simon Carlados		
	Monitoring and anticipating floods in France	Joel Hoffman	Ensuring safety of people in case of severe floods: feasibility and relevance of vertical evacuation strategies in high population density areas	Mr Rodolphe Pannier	Actions after the storm Xynthia on the French Atlantic Coast	Mr Jean Philippe Lalande	Evaluating the mechanisms of erosion for coarsegrained materials	Dr. Maureen Corcoran	Levees, Diversion Canals or Flood Expansion Areas?	Bruno Beullac		
	Ensemble-based algorithm for error reduction in hydraulics in the context of flood forecasting	Etienne Le Pape	Public Alerts and Warnings for Dam and Levee Safety Emergencies: What Really Matters?	Jason Needham	Dutch flood protection policy and measures based on risk assessment	Mr Erik Kraaij	Incorporating Uncertainty into Backward Erosion Piping Risk Assessments	Dr. Michael Sharp	Making room for rivers: quantification of benefits from a flood risk perspective	Dr. Nathalie Asselman		
	Early warning flood defence system, experience from the field	Mr. Rob van Putten	Prevention from Dike Failure by Emergency Flood Control Measures	Christopher Massole	Toward generalized decision support systems for flood risk	Dr Marian Muste			Tidal River Management (TRM) and Tidal Basin Management (TBM): A case study on Bangladesh	Mr Rocky Talchabhadel		

16:00 - 17:30 Auditorium Lumière, CCC Lyon **Plenary Session & Closing Ceremony: Looking forward , Chair: Rémy Tourment**

Climate change : Impacts, Adaptation and Vulnerability (incl sea level rise and coastal)	Prof Nigel Amell (Reading University)
Planning for future risks	Jason Needham (USACE)
Emergency managers	Philippe Quevauviller (European Commission)
Back to communities of practice (incl. FRM-CoP)	Jonathan Simm (HR Wallingford)
FLOODrisk2016 Review	Rémy Tourment (Irstea)
Best poster and best young author prizes	Michel Lang (Irstea)
Presentation of next conference	Frans Klijn (Deltares)

17:30 - 18:30 Games Room - Salon Lumière, CCC Lyon **Launch of the Property Flood Resilience Action Plan, UK**

19:00 - 23:00 Forum 3, CCC Lyon **Conference Dinner**

Friday 21st October 2016

All Events available on Friday 21st:	
9:00 - 14:00	Espace Rhône - Rhône 3 - CCC Lyon Side Event - Community of User's Event on "Flood Emergency Response" - Flood Emergency Response Community of Users – from theory to practice?
8:30 - 12:30	Technical tour to Lyon (FRM measures on the Yzeron catchment)
8:00 - 19:00	Technical tour to Grenoble (Artelia hydraulics laboratory and FRM measures on the Isère river)