

Thursday, October 27

1st Session	Floods. Chairman:
16:00-16:30 (keynote)	Flood modelling with the software Iber Luis Cea , Jerónimo Puertas
16:30-16:45	DualSPHysics: a numerical tool to study extreme floods and debris flows Alejandro Crespo , José Domínguez, José González-Cao, Ricardo Canelas, Orlando García-Feal and Moncho Gómez-Gesteira ¹
16:45-17:00	Mathematical modelling of flood defences in Mogon (Jaen) David Lopez , Tamara Ramos and Rubén Díaz
17:00-17:15	Fine-resolution flood modelling within a regional-local nested approach María Bermúdez , Jeffrey Neal, Paul Bates, Gemma Coxon, Jim Freer, Luis Cea, Jerónimo Puertas
17:15-17:30	HAND-contour: a calibration-free new predictor of inundation extent Adriana Cuartas , Antonio Donato Nobre, Jeison Santiago, Marcos Rodrigo Momo, Adilson Pinheiro
17:30-17:45	Optimization of reservoir management in flood situations using hydrological forecasts Juliana Mendes and Rodrigo Maia
17:45-18:15	Coffee Break and Poster Session
2nd Session	Floods. Chairman: David Lopez
18:15-18:30	Flood Analysis and Prediction for Risk Assessment Carla Idely Palencia-Aguilar and Magnus Persson
18:30-18:45	Real-time flood forecasting using Kalman filter Matin Baymani-Nezhad and Dawie Han
18:45-19:00	Relationship between Atmospheric Rivers and Floods in NW Iberian Peninsula María Nieves Lorenzo , Jorge Eiras-Barca, Juan Taboada, Alba Robles, Swen Brands and Gonzalo Miguez-Macho
19:00-19:15	The role of Atmospheric Rivers in the occurrence of extreme precipitation and floods in the Iberian Peninsula Alexandre M. Ramos , Ricardo Tomé, Ricardo M. Trigo, Margarida L.R. Liberato
19:15-19:30	Impacts of Flooding on the Thermal Tourism Diego Rodríguez-Toubes

Friday, October 28

3rd Session	Droughts. Chairman: Luis Gimeno
9:00-16:30 (keynote)	The Mediterranean hotspot for drought episodes Ricardo Trigo , Célia Gouveia, Pedro Sousa
9:30-9:45	Extreme hydrological events in a highly regulated river basin of northeastern Spain: differentiating climate change and water resources management impacts Sergio M. Vicente-Serrano , Javier Zabalza-Martínez, Gabriel Borràs, Juan I. López-Moreno, Eduard Pla, Diana Pascual, Robert Savé, Carmen Biel, Inmaculada Funes, Cesar Azorin-Molina, Arturo Sanchez-Lorenzo, Natalia Martín-Hernández, Marina Peña-Gallardo, Esteban Alonso-González, Miquel Tomas-Burguera, Ahmed El Kenawy
9:45-10:00	Land degradation trend assessment over Iberia during 1982-2012 Célia M. Gouveia , Páscoa P., Ana Russo and Ricardo Trigo
10:00-10:15	Understanding southern Central American Dry Corridor drought enhancement by warm ENSO events Ana María Durán-Quesada , Hugo Hidalgo, Jorge A. Amador and Eric Alfaro
10:15-10:30	A climatological analysis of drought occurrences over the Amazon River Basin using SPEI Anita Drumond , Rogert Sorí, Raquel Nieto, Luis Gimeno, Sergio M. Vicente-Serrano
10:30-10:45	Synergy Between Drought and Wildfires in the Iberian Peninsula Ana Russo , Célia Gouveia, Patrícia Páscoa, Carlos DaCamara, Pedro Sousa, Ricardo Trigo
10:45-11:00	Exceptionally extreme drought in Madeira Archipelago in 2012: vegetation impacts and driving conditions Margarida L. R. Liberato , Alexandre M. Ramos, Célia M. Gouveia, Pedro Sousa, Ana Russo, Ricardo M. Trigo2, Fátima E. Santo
11:00-11:30	Coffee Break and Poster Session
4th Session	Droughts. Chairman: Ricardo Trigo
11:30-12:00 (keynote)	Large-scale drought trends in Europe: from hazard to management Henny A.J. Van Lanen ,
12:00-12:15	Analysis of the performance of drought indices to identify drought impacts in different USA crops Marina Peña-Gallardo , Sergio M. Vicente-Serrano, Steven Quiring, Marc Svoboda, Santiago Beguería, Jamie Hannaford, Benjamin Lloyd-Hughes, Fergus Reig

12:15-12:30	Hydrological characterization of Douro River Basin for the period 1970-2010 using VIC model Matide García-Valdecasas-Ojeda , Sebastiano de Franciscis, Sonia Raquel Gámiz-Fortis, Yolanda Castro-Díez and María Jesús Esteban-Parra
12:30-12:45	Evaluation of dry-down processes of global models (hydrological and LSMs) using flux tower evapotranspiration data Alberto Martinez-de la Torre and Eleanor Blyth
12:45-13:00	A Composited Drought Model for Mongolia Pasture based on Satellite Image Sheng Chang , Bingfang Wu, Nana Yan, Davdai Bulgan, Nasanbat Elbegjargal, Tuvdendorj Battsetseg
13:00-13:15	Detailed study and calibrated mathematical model of flood risk at the Municipality of Carballo (A Coruña), ARPSI ES014-CO-10-01 Gustavo Vázquez Herrero , Victoria Rivas García and Jesús Varela Martínez
13:15-13:30	Multipurpose water resource planning and management using Nile basin dss in the upper Blue Basin, ethiopia Habtam A. Mekonen , Melese M. Wondim, Addisu G. Dagnew, Mikiyas G. Etichie
13:30-13:45	Impact of Climate Change and Extreme Weather on Hydropower Production in the Miño-Sil Basin Manuel Fernández González , Juan Antonio Añel Cabanelas, Laura de la Torre Ramos, Xavier Labandeira Villot

Posters

Effect of increasing long-term water deficit on maritime pine radial wood growth/density in southern Portugal Cathy Kurz-Besson, José Lousada, Rita M Cardoso, Ana Russo, Filipa Varino, Isabel Correia, Teresa David, Célia Gouveia
Vulnerability of Coastal Recreational Areas Facing Floods and Climate Change Diego Rodríguez-Toubes
A methodology to propagate rainfall uncertainty through fully distributed hydrological and hydraulic models for flood inundation modelling Luis Cea, Ignacio Fraga, María Bermúdez, Jerónimo Puertas, Manuel Álvarez, Santiago Salsón, Alberto Petazzi
The impact of humidity on the Schönbein ozone measurement methodology I. A. Ramírez-González, J. A. Añel, O. García-Feal, A. Saiz-López, A. Cid, J. C. Mejuto, L. Gimeno
Assessment of the Relationship Between and Precipitation in Orlu Area of Imo State Nigeria using Statistical Techniques Fidelis C. Okorie

Application of a joint probability approach to estimate flood hazard in the macro tidal estuary of Betanzos (NW of Spain) Silda Ruano Pereira, Javier Sopelana Peralta and Luis Cea Gómez
Modelling Pinus Pinaster wood radial density response to water deficit in Portugal Célia M. Gouveia, José Lousada, Ana Russo, Rita M. Cardoso, Filipa Varino, Isabel Correia and Cathy Besson
New Climate effects on Morocco: situation of meteorological drought autumn winter 2015-2016 Mohammed Said Karrouk
Comparison of PDSI, SPI and SPEI Drought Indices for São Paulo Luana Albertani Pampuch and Tércio Ambrizzi
Hydrochemical Pattern of a Flood Event: Natural versus Dammed Rivers Ricardo Prego, Miguel Angel Álvarez-Vázquez, Elena De Uña-Álvarez, Mariló Doval, Miguel Caetano
A climatological characterization of the droughts over the Danube River Basin in the period 1980-2014 using SPEI Milica Stojanovic, Anita Drumond, Raquel Nieto, Luis Gimeno and Sergio M. Vicente-Serrano
Numerical evaluation of flooding and estimation of assets at risk in Tulancingo, Mexico Omar Salvador Areu-Rangel, José González-Cao, Alejandro J. C. Crespo and Rosanna Bonasia
Crop yield response to different time-scales of drought: varied spatial and temporal patterns in different crop types of US Sergio M. Vicente-Serrano, Marina Peña-Gallardo, Steven Quiring, Marc Svoboda, Santiago Beguería, Jamie Hannaford, Benjamin Lloyd-Hughes, Fergus Reig
Wet Spells across Danube River Basin during 1980-2014 Danica Ciric, Raquel Nieto, Anita Drumond, Luis Gimeno and Alex M. Ramos
Influence of Okhotsk high on spring river discharge in eastern Siberia Kazuhiro Oshima, Hotaek Park, Yasuhiro Yoshikawa
Projected changes in the evolution of drought in the 21st century over the Czech Republic Vera Potopová, Petr Štěpánek, Pavel Zahradníček, Aleš Farda, Luboš Türkott, Josef Soukup
A preliminary assessment of hydroclimatic drought indicators in the trans-boundary Prut River Basin: A case study in the Republic of Moldova Vera Potopová, Valeriu Cazac, Boris Boincean
Meteorological Droughts in the Niger River Basin and its link with atmospheric moisture transport Rogert Sorí, Anita Drumond, Raquel Nieto Sergio M. Vicente-Serrano, Luis Gimeno
Evolution of drought episodes assessed with the Standardized Precipitation Evapotranspiration Index (SPEI) over Fertile Crescent Zeinab Salah, Anita Drumond, Raquel Nieto, Luis Gimeno and Sergio M. Vicente-Serrano

