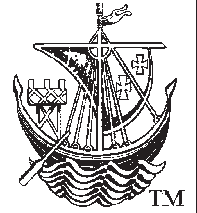
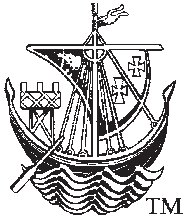


# CONFERENCE PROGRAMME

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## NOTES TO CHAIRS AND PRESENTERS

Chairs must be in their respective rooms 10 minutes before the start of their session to meet with the presenting authors.

Authors must meet with the Chair of their session 10 minutes before the start of the session.

Authors must keep strictly to the time allocated for their presentation to ensure the smooth running of the programme.

This programme is subject to last-minute alterations, please refer to the conference noticeboard for the most up-to-date information.

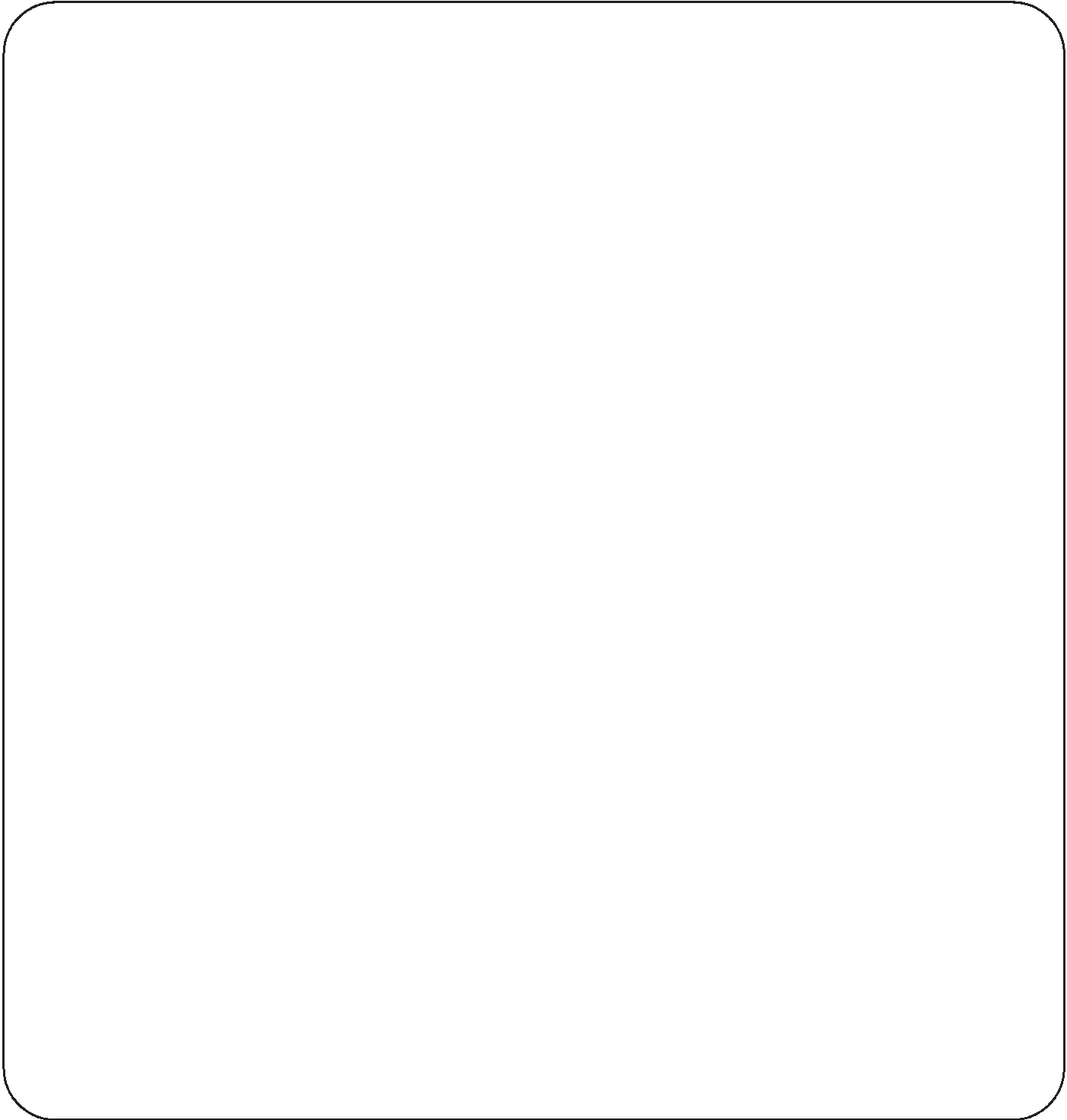
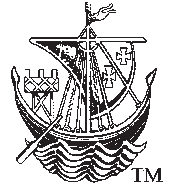
**8 – 10 May 2019**  
**Alicante, Spain**

**Organised by:**  
Wessex Institute, UK  
University of Alicante, Spain

**Supported by:**  
WIT Transactions on Ecology and the Environment  
International Journal of Sustainable Development and Planning



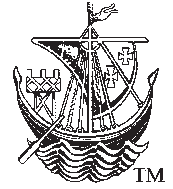
**River Basin Management 2019**  
**8–10 May 2019, Alicante, Spain**



# CONFERENCE PROGRAMME



River Basin Management 2019  
8 – 10 May 2019, Alicante, Spain



Wednesday, 8th May 2019

08.00 Registration

09.00 Opening Addresses by Conference Chairs

## Session 1: Erosion and Sediment Transport

Session Chair: S. Mambretti

09.30 **Invited:**  
Sediment transport at river contractions  
G. Oliveto

10.00 Effects of temporal variation in sediment reduction following improved land use management practices on end-of-system delivery: a modelling investigation of a grazed catchment in Queensland  
M.E. Roberts & R. Ellis

10.25 Fluvial responses following volcanic eruptions: The Blanco-Este River (Southern Chile)  
A. Iroume, V. Zingaretti, D. Vericat, J. Tenny, M. Llana & R.J. Batalla

## Session 2

Session Chair: G. Oliveto

11.20 Water rights transactions at Rio Loa, Atacama Desert (Chile)  
L. Mateo-Peinado, L. Roco Fuentes & M. Prieto Montt

11.45 Development of rainfall-runoff model: suitability assessment in Morava river basin  
K. Knoppova & D. Marton

12.10 Assessment of climate change impacts on the hydrologic risk by quantitative alteration in the Catalan internal basins  
L. Ramos Soler, J. Paredes Arquiola, J. Andreu Alvarez & A. Munne Torras

**LUNCH**

Wednesday, 8th May 2019

**JOINT SESSION WITH WATER RESOURCES MANAGEMENT 2019**

**Session 3**

**Session Chair: S. Mambretti**

- Invited:**
- 14.00 The impact of agriculture on the waters of the Idaho portion of the Snake River Basin, USA  
R.L. Mahler
- 14.30 Groundwater: The real changes in the policies on groundwaters  
D.F. Cansi & J. Melgarejo Moreno
- 14.55 Water quality trading: A conceptual framework for incorporating ancillary benefits  
J-Y. Su, M.E. Barber & R.L. Mahler

**Session 4**

**Session Chair: R.L. Mahler**

- 15.50 Assessing social perception of emerging pollutants in the South-East Spain  
M. de los Angeles Bernal Romero del Hombre Bueno, P. Aznar-Crespo,  
A. Jodar-Abellan, J. Melgarejo Moreno & D. Prats
- 16.15 "The stolen space": A history of channelization, reduction of riverine areas  
and related management issues. The lower Scrivia River case study  
(NW Italy)  
A. Mandarino, M. Maerker & M. Firpo
- 16.40 Assessment of ecological potential of HMWB in Basilicata Region (Italy) –  
Agri River Basin  
F. Arbia, L. Di Giuseppe, R. Giampietro, M. Greco, P. Mauro, G. Martino,  
A. Montella, G. Mussuto, E. Napoli & A. Smaldone

**END OF DAY 1**

**CONFERENCE DINNER**—Please check the notice board or ask Conference  
Coordinator for more information

Thursday, 9th May 2019

**Session 5**

**Session Chair: G. Oliveto**

**Part 1: Hydrological Modelling**

- 09.30 Calibration and validation of  $ET_0$  through a R-Cran code in agricultural lands of the South-East Spain  
A. Jodar Abellan, M. Ruiz Alvarez & J. Valdes-Abellan
- 09.55 Spatial distribution of precipitation and evapotranspiration estimates from Worldclim and Chelsa datasets: improving long-term water balance at the watershed scale in the Uraba Region of Colombia  
B. Bastidas Osejo, T. Betancur Vargas & J.A. Martinez

**Part 2: River Restoration and Rehabilitation**

- 10.20 The adequacy of geotextile tube dewatering in three river remediation scenarios  
G.J.F.M. van den Berg & F. Oliveira

**Session 6: Water Governance and Policies**

**Session Chair: P. Fernandez-Aracil**

- 11.15 The legal-territorial perspective in the new models of water governance: The Spanish regulations  
M.F. Zaragoza-Marti
- 11.40 The financing of water policy. Costs recovery of the Hydrographic Confederations of Spain  
M. Garcia Lopez, B. Montano Sanz & J. Melgarejo Moreno
- 12.05 The critical role of bridging organizations in river basin management in Alberta  
J. Stewart

**LUNCH**

Friday, 10th May 2019

**Session 7: Hydraulics**

**Session Chair: P. Fernandez-Aracil**

- 09.30 Derivation of the index governing the seepage flow and dynamic similarity condition of levee failure due to seepage flow  
S. Fukuoka & K. Tabata
- 09.55 Estimation of levee failure points based on levee vulnerability index and flood risk analysis by integrating simulation of flood flow and inundation  
K. Tabata & S. Fukuoka
- 10.20 Turbulent kinetic energy in fish passes of various types of construction  
M. Puzdrowska & T. Heese

**Session 8: Flood Risk Management**

**Session Chair: S. Mambretti**

- 11.15 Areal reduction factors for design rainfall estimation in the Modder-Riet River Basin, South Africa  
J.P.J. Pietersen & O.J. Gericke
- 11.40 Objective assessment of land use in hydrological studies  
A. Ramon Morte, J.T. Navarro Carrion & E. Garcia Botella
- 12.05 Development and assessment of a single-event design flood estimation tool: Case study in four climatological regions, South Africa  
O.J. Gericke

**CLOSURE OF RIVER BASIN MANAGEMENT 2019**

We hope you have enjoyed the conference and look forward to seeing you at the next meeting in the series, have a safe and pleasant journey home.