

Preface

IAHS, Universidade do Minho (UM, Portugal), Laboratório Nacional de Engenharia Civil (LNEC), Associação Portuguesa dos Recursos Hídricos (APRH), and the Associação Portuguesa para Estudos de Saneamento Básico (APESB) co-organized the Fourth InterCeltic Colloquium on Hydrology and Management of Water Resources (4–11 July 2005), of which this volume is an outcome. The Organizing Committee included: J. P. Lobo-Ferreira (Chairman, LNEC, Portugal), José Vieira (Co-Chairman, Universidade do Minho/President APESB, Portugal), Pierre Hubert (Co-Chairman, IAHS), Alain Jigorel (I Inter-Celtic, INSA, Brittany, France), J. A. A. Jones (II Inter-Celtic, University of Wales, UK), Con Cunnane (III Inter-Celtic, National University of Ireland Galway, Ireland), José Luís da Silva Pinho (Universidade do Minho, Portugal), Teresa Leitão (President APRH, LNEC, Portugal) and Javier Samper (Universidade da Coruña, Galicia, España).

Thirty-three papers were submitted to the Organizing Committee, for peer review by the Scientific Committee, by 110 co-authors in 10 countries. All papers were accepted after following up-grading suggestions made by the reviewers. There were six thematic sessions:

- T1, Climate variability;
- T2, Water Quality;
- T3, Groundwater;
- T4, Hydrology;
- T5, Modelling; and
- T6, Management and Environmental Impact Assessment.

The presented papers and most of the Powerpoint presentations (in pdf format) are available at: <http://www.aprh.pt/celtico/text/introduction.html>.

There were three key lectures:

- Echanges intersystèmes: du bassin versant aux eaux côtières littorale, by Jean Claude Lefeuvre, Professeur au Muséum d'Histoire Naturelle de Paris, Président de l'Institut Français de la Biodiversité (France);
- Hydroinformatics Support to Flood Forecasting and Flood Management, by Adri Verwey, Delft Hydraulics (The Netherlands); and
- Flooding and climate change, by Alan Werritty, Professor at Dundee University, Scotland (UK).

Two Round Table sessions were organized, the first, on *Climate Variability Assessment and Relevance*, included invited presentations on: *Impacts of climate change on water resources: a case-study on Portugal*, by L. Veiga Da Cunha (Professor at Universidade Nova de Lisboa, Portugal); *Regional climate change impact and selected response studies in the UK*, by Ian Holman (Cranfield University at Silsoe, UK); and *On methodologies for the assessment of climate change impacts on groundwater resources*, by J. P. Lobo-Ferreira (Laboratório Nacional de Engenharia Civil, Portugal).

The invited contributions for the second Round Table on how to achieve the quantity and quality goals of the water framework directive, were: *Progress in the implementation of the WFD in EU Member-States*, by A. G. Henriques (LNEC, Portugal); *Potential implications of the WFD for catchments management in the UK*, by Alun Attwood (Policy Advisor Wales for the Water Framework Directive, UK), and *Water safety plans: methodologies for risk assessment and risk management in drinking water systems*, by José Vieira (Universidade do Minho, Portugal).

A half-day technical excursion to visit sites of hydrological and historical interest in northern Portugal (e.g. Citânia de Briteiros) and a post-symposium excursion to the Gerês National Park (Brufe village and Caniçada Reservoir) and to the Minho River valley, including wine tasting at the Alvarinho Wine House in Melgaço were arranged. There was also an ice-breaker party at Palácio dos Duques de Bragança, and a conference dinner at Pousada de Santa Marinha, in Guimarães (see photograph), encouraging a very friendly and informal atmosphere.

Photos of the conference are available at:

<http://www.aprh.pt/celtico/TEXT/PHOTOS.HTML>



Group photo of the participants of the Fourth InterCeltic Hydrology Colloquium before the conference dinner held in Pousada de Santa Marinha, Guimarães.

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