



Between the River and the Sea: Integrated Perspectives on Catchment and Coastal Zone Management

16 - 18 September 2014

Dundee, Scotland, UK



International Conference

Conference Aim

This open international conference is intended as an arena for discussions around recent findings in the field of integrated water resources and coastal lagoons management.

This conference will also show the major findings from the EC-funded FP7 project LAGOONS.

The conference is open and external oral presentations are highly encouraged.

Key Topics to be discussed

- IWRM and coastal zone management interactions
- Stakeholder and public participation
- Scenarios – formulation and visualization
- Modelling tools for management
- Environmental processes in coastal and lagoon ecosystems
- Water law and water governance
- Land and water interactions
- Climate change impacts, adaptation and mitigation
- Bridging the science-policy gap
- Land use and nutrient management
- Ecosystem services
- Socio-economic dimensions of IWRM and coastal zone management
- Biodiversity and ecosystem functions
- Lessons learnt from implementing the EU Water Framework Directive (WFD) and the EU Marine Strategy Framework Directive (MSFD)

Who Should Attend

Representatives of research institutes, universities and international water organisations, as water managers and national, European and international implementing agencies.



Mar Menor Lagoon, Spain

Organisation and Scientific Committee

Professor Geoffrey D. Gooch, Director, Dundee Centre for Water Law, Policy and Science (under the auspices of UNESCO)

Dr Ana Lillebø, University of Aveiro, Portugal

Dr Per Stålnacke, Bioforsk, Norway

Programme Agenda

DAY 1 • Tuesday 16th September 2014

- 08.00 - 09.00 Registration
09.00 Conference Opens
09.15 - 10.00 Keynote Speaker - Terrestrial Ecosystem Management - a key for river basin and coastal management - *Iain Gordon, Director of the James Hutton Institute*

Session 1: Socio-economic dimensions of IWRM and coastal zone management interactions

- 10.00 - 10.05 Chairman introduction
10.05 - 10.25 Governance, modelling and coastal lagoons – what's the connection? - *Geoffrey D. Gooch*
10.25 - 10.45 From eutrophic to oligotrophic? –The effect of reduction of terrestrial nutrient input on the water quality and ecosystem of the Seto Inland Sea - *Akihide Kasai, Kaori Anbutsu, Kazutaka Miyahara and Minoru Tanda*
10.45 - 11.05 Depicting qualitative scenario storylines, founded on participatory inputs, with numerical data - *Susan Baggett and Geoffrey D. Gooch*
11.05 - 11.25 Impacts of potential climate and socio-economic changes on water resources in four European lagoon catchments – Part I: Case studies, Data and Methods - *Cornelia Hesse, Anastassi Stefanova and Valentina Krysanova*
11.30 – 12.00 Refreshments
12.00 - 12.20 Impacts of potential climate and socio-economic changes on water resources in four European lagoon catchments – Part II: Results and Conclusions - *Anastassi Stefanova, Cornelia Hesse and Valentina Krysanova*
12.20 - 12.40 Nutrient scenario impacts in four European lagoons - *Malgorzata Bielecka*
12.40 - 13.00 Integrated participatory scenario of the ES provided by a coastal lagoon in 2030 - *Sousa L. P., Alves F.L., Sousa A.I., Gooch G.D. and Lillebø A.I*
13.00 – 14.00 Lunch

Session 2: Land and water interactions: Bridging the science-policy gap

- 14.00 - 14.05 Chairman introduction
14.05 - 14.25 Action, innovation and learning for managing land, rivers, coasts and seas - *Birgitta Liss Lymer, Josh Weinberg, Jan Lundqvist and Torkil Jonch Clausen*
14.25 - 14.45 LAGOONS project: main challenges and results - *Ana Lillebø and Per Stålnacke*
14.45 - 15.05 SWOT Analysis for Participatory vision of a Coastal LAGOON in 2030 - *Soares, J. A. Lillebø, A. I. Sousa L. P. and Alves, F. L.*
15.05 - 15.25 A society vision for tourism in 2030 in European coastal lagoons: an overview using DPSIR framework - *Dolbeth, M.*
15.30 - 16.00 Refreshments

Session 3: Environmental processes in coastal and lagoon ecosystems

- 16.00 - 16.20 A comparison of the ecological quality status of four European lagoons - *Arnaldo Marin*
16.20 - 16.40 Aerial observation and delimitation of *Zostera noltei* meadows in the Ria de Aveiro (Portugal) - *José Figueiredo Silva, Ana I. Sousa, Ana I. Lillebø and Robert W. Duck*
16.40 - 17.00 Assessment of possible changes in process of saltwedge intrusion in the Vistula Lagoon due climate changes and harbor development - *Boris Chubarenko, Aleksander Kileso and Andrey Sokolov*
17.00 - 17.20 Mapping and Assessment of Marine Ecosystems and their Services - *Francesca Somma*
19.00 Scottish Meal and Ceilidh Dancing onboard Unicorn

DAY 2 • Wednesday 17th September 2014

09.00 - 09.45 Keynote Speaker - How to Manage the Baltic Sea? - a holistic river basin and marine perspective - *Professor Fredrik Wulff, Professor in Marine Systems Ecology, Stockholm University*

Session 4: Management perspectives: Water law, governance and tools

09.45 - 09.50 Chairman introduction

09.50 - 10.10 Nutrient inputs from source to the sea - *Per Stålnacke*

10.10 - 10.30 Legal and administrative determinants of the environmental protection and management of the Vistula Lagoon. Polish, Russian and international law comparative study - *Jakub Lukaczyński*

10.30 - 10.50 Stakeholders participation in development of the Vistula Lagoon Management Plan - *Malgorzata Bielecka, Grzegorz Różyński, Anna Reda, Jacek Zaucha, Joanna Przedzimirska, Magdalena Matczak*

10.50 - 11.10 Hudson Bay, Manitoba, Canada, the Forgotten Coastline - *William H. N. Paton*

11.10 - 11.30 Integrated water resources and coastal zone management in the Tyligulskyi Liman in the context of climate change: ways of contributing the strategy - *Iuliia Tomashpolska, Olena Katerusha, Susan Baggett, Geoffrey Gooch, Valeriy Khokhlov and Tatiana Chorna*

11.30 – 12.00 Refreshments

12.00 - 12.20 Integrated modelling to assess low flow risk in the coastal area of the VuGia ThuBon River Basin, Central Vietnam - *Alexandra Nauditt, Lars Ribbe, Trinh Quoc Viet, ABM. Firoz*

12.20-12.40 Evaluating Potential of Landsat Data in Monitoring Spatio-temporal Trends in Groundwater in the North West Province, South Africa - *Ndou, N.N. and Palamuleni, L.G.*

12.40-13.00 Implementation of the Polis Littoral Programme (Integrated Operations of Rehabilitation and Recovery of Coastal Areas) to central region of Portugal - *Celina Carvalho*

13:00 – 14.00 Lunch

Session 5: Climate change impacts, adaptation and mitigation

14:00 - 14.05 Chairman introduction

14.05-14.25 Climate change impacts, adaptation and mitigation. Some interesting initiatives developed in Spain - *Victoria Jumilla Francisco*

14.25 - 14.45 Climate change impact on Vistula Lagoon - *Robakiewicz, M. Zalewski, M. and Hesse, C.*

14.45 - 15.05 Climate change based scenario for salinity variations in Tyligulskyi Liman Lagoon - *Valeriy Khokhlov, Yurii Tuchkovenko, Oleg Grib, Nataliia Loboda and Cornelia Hesse*

15.05 - 15.25 Regional Strategy for Climate Change Adaptation for Kaliningrad Oblast, Russian Federation- *Natalia Shchagina, Boris Chubarenko, Oksana Mikhailova, Valriy Kolmogorov, Svetlana Navotskaya and Zhanna Stont*

15:30 - 16.00 Refreshments

16.00 - 16.20 Linking social awareness and ecological evaluation of main environmental problems in coastal lagoons - *Javier Lloret*

16.20 - 16.40 Effects of metal wastes and climate change in mortality and behaviour of the amphipod *Gammarus aequicauda* (Martynov, 1931) and *Gammarus chevreuxi* (Sexton, 1913) - *C. Belloa, J. Lloret, T. Monero, F. J. Sánchez-Vázquez, I. Lopes, A. I. Lillebø, A. Marín*

16.40 - 17.00 ARCH: Architecture and roadmap to manage multiple pressures on lagoons - *Magdalena Matczak, Amy Oen, Geiske Bouma, Adriaan Slob and Gijis Breedveld*

19:00 Conference Dinner, Apex Hotel

DAY 3 • Thursday 18th September 2014

- 09.00 - 09.45 Keynote Speaker - Mike Mannaart, Director Coastal and Marine Affairs, The Coastal and Marine Union (EUCC)
- 09.45 - 10.00 Short Refreshment break
- Session 6: Environmental processes and ecosystem services**
- 10.00 - 10.05 Chairman Introduction
- 10.05 - 10.25 Coastal wetlands: environmental processes and ecosystem services - *Ana Lillebø*
- 10.25 - 10.45 Bio – economic modelling -Economics and fishery in Ria Aveiro) - *Ana Aleixo, Stefanos Xenarios, Henrique Queiroga*
- 10.45 - 11.05 How to minimize physical disturbance of eelgrass seeds and seedlings - *Ana I. Sousa, Lisbeth Jørgensen, Ana I. Lillebø, Mogens Flindt*
- 11.05 - 11.25 Coastal Management; making it happen the hard way - *Philippa Lawton*
- 11.25 - 11.45 Robert W. Duck
- Session 7: Lessons learned**
- 11.45 - 12.00 Conference conclusions and statement
- 12.00 - 13.00 Lunch
- 13.00 – 17:00 Excursion to the River Tay Estuary with Professor Robert W. Duck

Further Information

Hugh Gunn
Centre for Water Law, Policy and Science (under the auspices of UNESCO)
Graduate School of Natural Resources Law, Policy and Management
T: +44 (0) 1382 385871
E: h.j.b.gunn@dundee.ac.uk

Registration Fee and How to Register

£150.00 per delegate - this fee includes the full 3-day conference attendance, refreshments and lunch on a daily basis and evening social events.

Sign up online at:

http://www.buyat.dundee.ac.uk/browse/extra_info.asp?compid=1&modid=2&deptid=25&catid=2&prodid=391

The online system requires you to complete payment with a credit or debit card. If you would prefer to have an invoice to enable a bank transfer, please contact Hugh Gunn - h.j.b.gunn@dundee.ac.uk with full invoice address details and contact telephone number.

Location

The 3-day conference will take place in the Apex Hotel, Dundee.

Accommodation and Travel

Discounted rates have been agreed for delegates wishing to stay over at the Apex Hotel. To take advantage of the reduced rates and also alternative options, please book your accommodation via the dedicated webpage hosted by Dundee and Angus Convention Bureau:

http://www.conventiondundeeandangus.co.uk/conference/31_Between-The-River-And-The-Sea-Integrated-Perspectives-On-Catchment-And-Coastal-Zone-Management.html

The dedicated site also has useful information regarding travel to and from Dundee and also what our City has to offer during your stay.