

SedNet conference 2013

8th International SedNet conference, 6-9 November 2013, Lisbon, Portugal

Innovative Sediment Management:

How to do more with less

Hosted and co-organised by LNEC



ARCH Special Session: Management of multiple pressures on estuaries and lagoons in a changing climate

Overview over presentations

1. Ecosystem service in transitional and marine waters. Francesca Somma, European Commission, DG JRC -Water Resources Unit
2. ARCH: Architecture and roadmap to manage multiple pressures on lagoons. Amy Oen, NGI, Norway
3. From four “hotspot” lagoons to pan-European lagoons management: Lessons learnt so far from the FP7 LAGOONS project Ana Isabel Lillebø, University of Aveiro, Portugal
4. Evolutionary resilience and adaptation to climate change in European coastal regions. Elizabeth Brooks, Newcastle University, UK
5. The relevance of sediments in eutrophic systems: a comparison of two European coastal lagoons (Óbidos and Lesina). Carlos Vale, IPMA, Portugal
6. Ecosystem services of sediments in marine spatial planning. Ilona Kamińska, University of Gdansk, Poland and Jacek Zaucha, University of Gdansk and Maritime Institute in Gdansk, Poland
7. Sea meets land. Ingela Isaksson, County Administrative Board, Västra Götaland, Sweden
8. Stakeholder communication on sediment issues – a waste of time? Experiences from the Elbe Estuary. Ivonne Stresius, Hamburg University of Applied Sciences, Germany
9. Multiple pressures on the Götariver, Sweden, management by stakeholder involvement. Marie Haeger-Eugensson, IVL, Sweden

Main findings

- The theme of the special session was addressed by 9 speakers. They showed that lagoons and estuaries are complex systems where the natural system (ecosystem, contamination, climate change) and the human system (social, economy) closely interact
- A multidisciplinary approach is necessary to manage the multiple pressures
- This will result in **more**:
 - Science integration: natural, social and economic science as well as spatial planning
 - Science policy integration
 - Stakeholder involvement, to reach a common understanding of present problems and future threats
 - Real implementation of management options to mitigate multiple pressures
- And generate **less**:
 - Negative consequences for society
 - Conflicts between stakeholders
 - Debate that delays implementation of good adaptation measures

The ARCH Consortium

