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LAGOONS - Coastal Lagoons in Europe: Integrated Water Resource Strategies

Product Owner :	IWA Publishing / LAGOONS Project
Category :	Best Practice Guidance
Stage of Commercial Development:	commercially available

Stage of Commercial Development Info:

The published book can be purchased from IWA publishing. A free online version is available at <http://wio.iwaponline.com/content/ppiwawio/14/97817804062>



Coastal Lagoons in Europe: Integrated Water Resource Strategies is a published book which sets out the pan-European management challenges of lagoons and coastal zones, seen from the context of three perspectives: governance, environment and modelling. The book is based on the premise that successful management of coastal lagoons is dependent not only on scientific information but also on the governance systems in which this knowledge is used, in other words on the successful interaction between science, policy and stakeholders (including the local population). It also seeks to address the issues surrounding climate change related 'events' and provides decision-support methodologies for a coordinated approach to the Water

Framework and Marine Strategy Directives. There are 21 chapters which include comprehensive information on: 1. Best practice in integrated water resource management (combining freshwater and marine environment) and involving the science, policy and land use communities. 2. Results from four detailed case studies which illustrate practical experiences from implementation of the methodologies: Ria de Aveiro coastal lagoon (Portugal); Mar Menor coastal lagoon (Spain); Tyligulskiy coastal lagoon (Ukraine); and Vistula coastal lagoon (Poland/Russia). Possible impacts on drainage basins and lagoons are introduced through integrated climate change, socio-economic and environmental change scenarios, developed through a multi-disciplinary process and using contributions from inland and maritime communities. The results include the potential for linkage between catchment and lagoon models (using SWIM and other models), and the effectiveness of using of qualitative models to bring together science based knowledge with stakeholder participatory processes. 3. Key recommendations for management of coastal lagoons.



Application & Target Markets :

The book is primarily aimed at regional or national water management authorities who are trying to implement the Water Framework Directive and/or climate change policies, but is also very relevant to land use stakeholders and scientists.

The introduction contains clear guidelines on the content and target audience for each of the 21 chapters.

The final chapter (21) provides an overview of the key issues that should be considered in the management of coastal lagoons. It emphasizes the need to create an integrated vision for all European coastal areas including drainage areas and to improve transboundary collaboration and coordination. This chapter is thus particularly recommended for decision makers and managers.

Competitive Advantages :

Coastal Lagoons in Europe: Integrated Water Resource Strategies describes a unique approach in establishing good dialogue between all stakeholders and therefore accurate representation of all communities involved. This opens the opportunity for realistic and lasting strategic management. The results and insights from the four case studies areas are readily transferrable to a wide range of coastal regions within Europe.

Details :

License / Copyright:	Public domain
License Info :	Freely available from http://wio.iwaponline.com/content/ppiwawio/14/9781780406299 and listed on http://www.wise-rtd.info
Costs :	For free
Costinfo :	Costs available at http://wio.iwaponline.com/content/14/9781780406299 . A free E-book can be obtained from http://wio.iwaponline.com/content/ppiwawio/14/9781780406299
Case Studies :	Four detailed case studies are available on the LAGOONS project website.

WFD Objectives :	Setting objectives, Selecting measures, Socio-economic analysis, Characterization of water bodies (including mapping), Pressures and impacts, Public participation, Data processing (spatial or geographical), Planning process, Modelling and prediction, Reference conditions, Infrastructure planning
Issue :	Ecological or chemical status, Floods and droughts, Climate change and energy, Ecosystem services and Water conservation and recycling.
Relevant Water Bodies:	Rivers, Coastal and transitional waters, Wetlands and Rain and precipitation.
Target User Group:	Research organisation, Industry consultants, Government (and associated bodies) - policy, Government (and associated bodies) - practitioners, Regulator and Water user representative.
Version :	15 July 2015
Project :	LAGOONS
Project & Promotional Material About the Product :	<ul style="list-style-type: none"> ■ Free online version ■ IWA Publishing ■ LAGOONS project homepage ■ Lagoons under the microscope - futuris ■ An integrated Pan-European perspective on coastal Lagoons management through a mosaic-DPSIR approach.
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Partners



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