

KEYNOTE PRESENTATIONS

Monday, April 18, 2005 | 10:00 - 12:00 | Plenary I

Room Infante Santo

Chairperson: Fernando Veloso Gomes and Francisco Taveira Pinto (IHRH/FEUP, Portugal)

- Page 3 New Trends and Challenges in Coastal and Ocean/Sea Management and Conservation: An International Perspective

 Biliana Cicin-Sain
- Page 7 Mediterranean Protocol on Integrated Coastal Management: Prospects and Challenges

 Ivica Trumbic
- Page 13 Strategic Environmental Assessment of Coastal Planning and Programme Development in Europe

 Maria do Rosário Partidário

Tuesday, April 19, 2005 | 10:45 -12:30 | Plenary II

Room Infante Santo

Chairperson: Óscar Ferreira (University of Algarve, Portugal)

- Page 11 Threats, Obstacles and Barriers to Coastal Environmental Conservation: Societal Perceptions and Managerial Positionalities that Defeat Sustainable Development
 - Charles Finkl & Craig Kruempel
- Page 23 Coastal Conservation, Management and Restoration

Pat Doody

Page 21 Integrated Management and Sustainability of Coastal Tourism Destinations: A Model of Diagnosis

João Albino Silva; Júlio da Costa Mendes & Adão Flores

Wednesday, April 20, 2005 | 14:00 -15:00 | Plenary III

Room Infante Santo

Chairperson: Alexandra Sena (CCDR Algarve, Portugal)

- Page 17 The Sea: Coastal Laws. Their Application and Associated Problems

 Juan Suárez de Vivero
- Page 25 Science-Based Management of Seaport Activities and Projects in Protected Areas: Findings from ECOPORTS EU Research Project

T.A. Stojanovic; C.F. Wooldridge & H. Ormerod-Smith



ICCCM'05

International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean

17 - 20 April Tavira, Algarve - PORTUGAL

ORAL PRESENTATIONS

Monday, April 18, 2005 | 14:00 - 15:30 | Parallel Sessions A

Room Alcácer Quibir

Sub-Theme 1: Strategic Environmental Assessment in Coastal Areas

Chairperson: Maria do Rosário Partidário (New University of Lisbon, Portugal)

[14:00] Page 33 Coastal GIS for Conservation and Management

Françoise Gourmelon & Iwan LeBerre

[14:20] Page 35 Coastal Management in Azores. Indicators Checklist for Monitoring Program

Andrea Botelho; Ana Costa; Helena Calado & João Porteiro

[14:40] Page 39 Strategical Environmental Assessment for Coastal Zone Management

Helena Calado; Joana Cadete & João Porteiro

[15:10] Page 43 Littoral Management Including Sustainability and Quality of Life

Juan M. Santiago & Miguel A. Losada João Figueira de Sousa & Maria João Martins

Room Dom Sebastião

Sub-Theme 2: Integrated Coastal Zone Management

Chairperson: Biliana Cicin-Sain (University of Delaware, USA)

[14:00] Page 77 Integrated Coastal Zone Management: Experiences from The Netherlands

F.A. van Kouwen; Carel Dieperink; Martin Wassen & Paul Schot

[14:20] Page 81 Towards Integrated Coastal Zone Management of Banda Aceh Beach: Description of the Coastal System

Ella Meilianda; Marjolein Dohmen-Janssen; Suzanne Hulscher & Jan Mulder

[14:40] Page 89 Integrated Coastal Zone Management (ICZM) and Marine & Coastal Protected Areas (MCPAS). Examing Coastal

Governance & Networks in Wales, UK

Evangelia Moutselou

Room Infante Santo

Sub-Theme 4: Living With Erosion

Chairperson: Fernando Veloso Gomes (IHRH/FEUP, Portugal)

[14:00] Page 157 Oceanfront Shoreline Changes Associated with a Locationally Stable Inlet System: Rich Inlet, North

Carolina, USA

William Cleary; Chester Jackson & Adam Knierim

[14:20] Page 159 The Ebro Delta: New Chances for Erosion Management

Jordi Serra; Carlota Montori; Oriol Gelizo & Elisabet Roca

[14:40] Page 161 Beach Sand Loss from Headland-Embayment Systems: Multifarious Causes and Human Response

Options

Andrew Cooper

[15:10] Page 165 Microscale to Mesoscale Controls on Aeolian Sediment Transport from Beach to Foredunes

Derek W.T. Jackson; Kevin Lynch & Andrew Cooper

Monday, April 18, 2005 | 16:00 - 17:30 | Parallel Sessions B

Room Alcácer Quibir

Sub-Theme 1: Strategic Environmental Assessment in Coastal Areas

Chairperson: Francisco Andrade (Marine Laboratory of Guia, Portugal)

[16:00] Page 47 Environmental Risk Assessment - A Current Synopsis of the Cardiff Bay Barrage, Wales, UK

Allan T. Williams & Michael R. Phillips

[16:20] Page 51 Environmental Assessment in the Todos os Santos Bay, Bahia, Brazil

A.L.R. Wagener; U. Lima; C. Hamacher; J.A.A. Lacerda; A.L. Scofield; S. Camargo; D. Reitermajer; N. Miekeley;

R. Campos & J.M. Godoy

[16:40] Page 53 Environmental Indicators for Beach Management: Case Study in the Canary Islands

Cristina Ana Pérez Alemán; Yaiza Fernández-Palacios Vallejo; S. Pérez-Santana; N. Cárdenes; M. González; J.J.

Hernández Brito & R.J. Haroun

[17:00] Page 55 Strategic Environmental Assessment in Tróia (Portugal)

Francisco Andrade; M. Adelaide Ferreira; Nuno Gomes; João Joanaz de Melo; Pedro Leitão & Manuel João Pinto

Room Dom Sebastião

Sub-Theme 2: Integrated Coastal Zone Management

Chairperson: Ivica Trumbic (UN Environmental Programme, Croatia)

[16:00] Page 91 Integrated Coastal Zone Management: Towards an Atlantic Vision to an Integrated and Sustainable Management

of the Natural and Environmental Coastal Resources

João Figueira de Sousa & Maria João Martins

[16:20] Page 93 Coastal Management and Protection Between Local Culture and Community Politic

Céline Chadenas & Claire Choblet

[16:40] Page 99 Long-Term Management Strategies for Integrating Natural Resource Conservation and Shoreline

Protection

Jeffrey Zappieri

[17:00] Page 101 The Coastal Zone of Egypt, Environmental Issues, Management and Capacity Building

Randa M. Hassan

Room Infante Santo

Sub-Theme 4: Living With Erosion

Chairperson: Andrew Cooper (University of Ulster, Northern Ireland)

[16:00] Page 169 Beach and Dune Erosion: The Concept in Three Dimensions and its Measurement. Case Study of Reducing

Sand Cover Over Buried Large-Diameter Oil and Gas Pipelines in North-East Scotland

William Ritchie

[16:20] Page 173 Analysis of the Portuguese West Coast Morphology and Morphodynamics Correlation. A GIS Tool for Coastal

Erosion Management

Joaquim Pais Barbosa; Fernando Veloso Gomes & Francisco Taveira Pinto

[16:40] Page 175 Geotextile Containers – Successful Solutions Against Beach Erosion and

Scour Problems under Hydrodynamic Loads

Burkard Lenze & Jörg Klompmaker

[17:00] Page 177 Australian & German Experiences on the Use of Geotextile Containers

Simon Restall; Warren Hornsey; Hocine Oumeraci; Marc Hlnz; Fokke Saathoff & Katja Werth

Wednesday, April 20, 2005 | 09:00 -10:30 | Parallel Sessions C

Room Alcácer Quibir

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Chairperson:	Michelle I	Portman ((Universit	y of Massac	hussetts	, USA)	١
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[09:00] Page 131 Towards Environmentally Sound Marine Transportation

David Johnson

[09:20] Page 133 Environmental Effects of Marine Fish Pond Culture in the Ria Formosa (Southern Portugal)

rançois Noël Hubert; Marc Pellaud & Sofia Gamito

[09:40] Page 137 Static Laws in Dynamic Environments

Adelaide Ferreira; João Joanaz de Melo & Francisco Andrade

[10:00] Page 141 Fisheries Management and Marine Biodiversity: The Case of New England Groundfish

Michelle E. Portman

Room Infante Santo

Sub-Theme 4: Living With Erosion

Chairperson: Duncan FitzGerald (Boston University, USA)

[09:00] Page 179 Sediment Transport Trends and Management Implications at Wells Inlet, Maine, USA

Duncan FitzGerald; Zoe Hughes & Mark Rits

[09:20] Page 183 Cliff Vulnerability to Erosion in SW Spain: Contributing Factors and Management Considerations

Laura del Río & F. Javier Gracia

[09:40] Page 187 Neural Network Analysis of Bayed Beaches for Coastal Erosion Control

Gregório Iglesias; G. Diz-Lois & F. Taveira Pinto

[10:00] Page 191 River Mouth Development in the Northern Adriatic: The Bevano Case Study and the Dilema of No-Intervation

Paolo Ciavola; Yann Balouin & Clara Armaroli

Room Dom Sebastião

Sub-Theme 5: Tourism and Coastal Conservation

Chairperson: Júlio Mendes (University of Algarve, Portugal)

[09:00] Page 215 Surfing Reef Design Criteria Propostion with Application to a Real Case

Luiz António Franco de Oliveira filho, Luiz Guilherme Morales de Aguiar & Enise Valentini

[09:20] Page 219 The Management of Beaches: Implementing the Carrying Capacity Concept

Carlos Pereira da Silva; Saudade Pontes & José Carlos Ferreira

[09:40] Page 223 Coastal Tourism and Public Access: A Case Study of North Carolina Beaches in the United States

Bob Buerger; Jeffery Hill & James Herstine

[10:00] Page 227 Tools for Tourist Coastal Zones Environmental Enhancement and Sustainable Development

Claudio Comoglio; Jacinto Barroso; Serena Botta & Sérgio A. Morais

Wednesday, April 20, 2005 | 15:10 -16:30 | Parallel Sessions D

Room Alcácer Quibir

Sub-Theme 1:	Strategic	Environmental	Assessment i	n Coastal Areas
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Chairperson: Allan T. Williams (University of Glamorgan, UK)

[15:10] Page 59 Using Grazing to Mitigate Effects of Atmospheric Nitrogen Pollution on Sand Dunes

Laurence Jones; H.L. Wallace; D.G. Hewett; S. Haria; T. Ash; P.M. Rhind & B.A. Emmet

[15:30] Page 63 Coastal Scenic Assessment: Portugal -The Lisbon Metropolitan Area

Aysen Ergin; Allan Williams; A. Micallef & Carlos Pereira da Silva

[15:50] Page 67 Coastal Zones Monitoring Using Remote Sensing Satellite Data

Ana C. Teodoro; André Marçal & Fernando Veloso Gomes

[16:10] Page 71 ICM Assessment of Access Channels Located in Backbarrier Systems. A Conceptual Model

A. Pacheco; A. Carrasco; A. Villa-Concejo; T. Garcia; Ó. Ferreira & J.M.A. Dias

Room Dom Sebastião

Sub-Theme 2: Integrated Coastal Zone Management

Chairperson: José Carlos Ferreira (New University of Lisbon, Portugal)

[15:10] Page 95 South Area of the Coastal Zone of Rio de Janeiro State Conflicts Analysis: Case Study of the Municipality of Paraty - Brazil

araty - Brazii

Mariana de Faria Benchimol & Marcus Polette

[15:30] Page 103 Changes in Coastal Landscape of the Costa Brava (Catalonia, Spain) in the Last 50 Years

Carolina Martí & Josep Pintó

[15:50] Page 107 The Internet as Facilitator Tool for Integrated Coastal Management for South America

Liliana P. Silva & Marcus Polette

[16:10] Page 111 Spatial Behaviours and Land Use Evolution Patterns on Developed Coastal Areas: Fuzzy Data Integration

Through Multi-Criteria Analysis for Cellular Automata Modelling

José Carlos Ferreira; Jorge Rocha & José A. Tenedório

Room Infante Santo

Sub-Theme 4: Living With Erosion

Chairperson: Giovanni Randazzo (University of Messina, Italy)

[15:10] Page 195 Morphodynamic Variation Between the Adjacent Beaches of Caños and Zahora (Cádiz, SW, Spain)

Javier Benavente; G.C. Malvarez; Laura del Rio; F. Navas & F. Javier Gracia

[15:30] Page 199 Negative Response to Remedial Measures of Shore Protection in Sicily: The Case of the Tindari Headland Spit

(Northern Sicily)

Giovanni Randazzo; Francesco Geremia & Stefania Lanza

[15:50] Page 201 Responding to Climate Change Based on Recent Coastal Evolution: A Case Study of the Western Solent, UK

David Johnson & Andrew Colenut

Wednesday, April 20, 2005 | 16:40 -18:00 | Parallel Sessions E

Room Dom Sebastião

Sub-Theme 2: Integrated Coastal Zone Management

Chairperson: Albert Salman (EUCC - The Coastal Union, The Netherlands)

[16:40] Page 115 The Action Plan of "Barrinha de Esmoriz" – A Governmental Commitment in a Portuguese Coastal Lagoon

Fátima Lopes Alves; Luísa Pinho; Celeste Coelho & Álvaro Santos

[17:00] Page 119 "Canarias, por una Costa Viva" An Integrated Environmental Awareness Raising and Marine Research

Project in the Canary Islands, Spain

Yaiza Fernández-Palacios; F. Tuya; C. Fernández-Gil; Y. Cárdenes; J.J. Hernández Brito & R.J. Haroun

[17:20] Constraints to the Implementation of ICZM

Alan Pickaver

[17:40] Page 125 Tidelands Management: Implementation of the Massachusetts' Public Waterfront Act

Michelle E. Portman

Room Alcácer Quibir

Sub-Theme 3: The Sea

Chairperson: Juan Luis Vivero (University of Seville, Spain)

[16:40] Page 145 Numerical Simulations of the Bacterial Pollution Along the Coast of the Venice Province (Nothern

Adriatic)

Isabella Scroccaro; Andrea Cucco; Paolo Osti & Georg Umgiesser

[17:00] Page 147 The Effects of the Land and Sea Breezes on the Photochemical Pollution in the Coastal Area of

Normandy (North-Western France)

Aurélie Dudouit

[17:20] Page 151 Strategies to Evaluate Contamination in Todos os Santos Bay (Bahia, Brazil) using Marine Invertebrates

A.L.R. Wagener; E. Francione; M. Peso-Aguiar; U. Lima; A.L. Scofield; S. Camargo; C. Hamacher; D.

Reitermajer; N. Mickeley & R. Campos

[17:40] Page 153 Development of a Prototype of a Decision Support Computer System for the Combat of Oil Pollution at Sea

David Pulquério, Rita Sá, P. Sebastião & Carlos Guedes Soares

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Sub-Theme 4: Living With Erosion

Chairperson: Paolo Ciavola (University of Ferrara, Italy)

[16:40] Page 203 Differential Behavior of Diverse Sectors of an Urban Beach: La Victoria (Cádiz). Implications in

Nourishment Design

Javier Benavente; Giorgio Anfuso; A. Ghetti & M.A. Santa Rosa

[17:00] Page 205 Nearshore Bars as a Natural Protection of Beaches, Field Evidences from Lido di Dante Beach, Adriatic Sea

Yann Balouin; Paolo Ciavola; Clara Armaroli & Dario Capatti

[17:20] Page 209 Tendency of Coastline Changes of Hel Peninsula

Kaziemierz Furmanczyk; S. Musielak; J. Dudzinska & A. Lecka

[17:40] Page 211 The Planning in the Minimisation of the Risks Associated to the Increasing Vulnerability of the Coastal Edge

of the Centre Region of Portugal

António Mota Lopes; Margarida Nunes & Teresa Carvalho



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17 - 20 April Tavira, Algarve - PORTUGAL

POSTER PRESENTATIONS

Monday, April 18, 2005 | 12:00 - 12:30 | Poster Exhibition

Sub-Theme 1: Strategic Environmental Assessment in Coastal Areas

- Page 233 Algarve's Sustainable Development Indicators System -Environmental Component

 A. Franco; P. Coelho; P. Vaz; I. Beja; A. Dores & T.B. Ramos
- Page 235 Impact of the Realization of a Sea-Water Feed Canal for the Zarziz Saltworks Located in South-Eastern Tunisia

 Mohamed Choura; Wassim Hamza; Ridha Amdouni & Jamel Rouis
- Page 237 A Case Study: The Kwinte Bank (Belgian Shelf)

 Valérie Bellec & Vera van Lancker
- Page 239 Proposal to Sanitation in Marujá Community State Park Cardoso Island, São Paulo, Brazil

 Maria Angelica Barbosa Beccato & E. Salati
- Page 243 Marine Ecological Quality Assessment: Trophic Indices in an Area Affected by Finfish Cage Aquaculture

 Vesna Flander Putrle; Valentina Turk & Alenka Malej Paula Castro; Helena Freitas; Cristina Máguas & Ivan Valiela
- Page 247 Internet Training and Information Modules on Coastal Issues

 Gerald Schernewski; Stefen Bock; Silke Rödiger & Anke Vorlauf
- Page 249 The Cousteau Label Awarding The Best Pratices of Coastal Management

 Tarik Chekchak
- Page 253 Baseline Habitat Mapping Using GIS as a Coastal Management Tool at the Ria de Alvor, Algarve, Portugal
 Helena Baker & Will Simonson

Sub-Theme 2: Integrated Coastal Zone Management

- Page 257 A Finite Element Ecological Model for the Lagoon of Venice (VELFEEM): Analysis of the Sedimentation Processes

 Donata Melaku Canu; Georg Umgiesser & C. Solidoro
- Page 259 Towards an Integrated Coastal Zone Management Program of the Littoral Between FNIDEQ and MDIQ (NE of Morocco)
 - E. Bello; A. Macías; D. Benitez; G. Anfuso & D. Nachite
- Page 261 Subsidies for the Co-Management of Crab-uçá in Cananéia -SP An Ecological and Etnobiological Approach

 Mayra Jankowsky; José Salatiel Rodrigues Pires & Nivaldo Nordi
- Page 265 Management Plans in Coastal Wetlands Achievements of the Preliminary Management Plan of 'Reserva Natural das Lagoas de Santo André e da Sancha' (Portugal)

 Carlos Loureiro Ferreira
- Page 269 Territorial Integration of Populations of Threatened Species and Ecological Connectivity in the Southwest Coast of Spain
 - José Carlos Muñoz Reinoso; Braulio Asensio & Francisco Rodríguez Infante
- Page 271 The Limestone Cliffs of the S. Pedro de Moel Coast (Portugal. A Contribution of Geological Heritage to Land Use Planning
 - C.B. Duarte; L.V. Duarte & A.O. Tavares

Page 273 GIS and ICZM - A Case Study for Impacts Visualization

Susana Lacerda; Helena Calado; João Porteiro & L. Paramio

Page 277 Integrated Beach Management in the Riviera del Beigua (NW Italy)

Francesca Palmisani, Rosanna Dursi, Roberta Ivaldi, Valentina Marin & Mauro Fabiano

Sub-Theme 3: The Sea

Page 283 Natural Seeding Production of the Edible Green Alga Monostroma SP. In Southern Brazil: Cultivation as an Alternative of Income to the Local Fishermen Community

Franciane Pellizzari; Eurico C. Oliveira; Nair Sumie Yokoya & Theresinha Absher

Page 287 Curonian Spit Shore: Before and After Hurricaine "Anatoly"

Ramunė O. Urbonienė & Algimantas M. Olšauskas

Page 291 Downscaling to the Coastal Zone in MAMA: Application to the Nador Lagoon, Morocco

Georg Umgiesser & Isabella Scroccaro

Page 295 Diversity and Community Structure of Epibenthic Invertrebates and Fish on Soft Bottom Sediment

C. Almeida; D. Machado; P. Veiga; C. Afonso; P. Monteiro; L. Bentes; R. Coelho & J.M.S. Gonçalves

Page 297 Radioactive Contamination of the North-Atlantic Monitored Along the Portuguese Coast with Bio Indicators

João M. Oliveira; Anabela Lucas; Albertina Libânio & Fernando P. Carvalho

Page 299 Optimum Management Strategies for the Environment Improvement of Butrint Lagoon, SW Albania

C. Oikonomou; V. Kapsimalis; Ç. Durmish; T. Llahanaj; G. Papas; A.P. Karageorgis; C. Anagnostou & K. Pavlopoulos

Page 303 Comparison of Different Methods for Microbiological Beach Quality Assessment: Coliforms Bacteria in Sea Water, Interstitial Water and Beach Sediments

Mauro Fabiano & Valentina Marin

Page 307 Evolution of Aguda's Small Scale Fishery over the Past 20 Years

Mike Weber & Jaime Prata

Sub-Theme 4: Living With Erosion

Page 281 Coastal Management Based on an Agenda 21: the Oder/Odra Estuary Case Study

Nardine Löser, Gerald Schernewski, Peter Dehne & Thorsten Permien

Page 309 Application of Formulations and Models to Estimate the Longshore Sediment Transport Between Praia Vieira and Praia Velha, West Coast of Portugal

Sérgio H.C.D. Larangeiro; Filipa S.B.F. Oliveira & Rui Taborda

Page 311 Medium-Term Evolution of a Stretch of the Portuguese Central Coast Based on the Analysis of Aerial Photographs and Hydrographic Surveys: First Results

Filipa S.B.F. Oliveira; Lourival O. Trovisco & Sérgio H.C.D. Larangeiro

Page 313 Mathematical Modeling for the Shoreline Effects of Karasu Marina, Turkey

M. UfukTuran & V. Firat Sever

Page 315 Conservation and Recuperation of Dune Systems and Tourism - Soft Intervention Techniques to Dampen Erosional Processes

Luísa Ramos

Page 317 Morphodynamic Characteristics and Seasonal Variations of Maroccain Beaches Between Ceuta and Cabo Negro

G. Anfuso; E. Bello; J. Benavente; D. Nachite; R. Guiati; A. Ghetti; Y. Meklach & A. Macías

Page 321 Combined Wave and Tidal Effects on Sandy Beaches at a Short-Term Time Scale

Filipa S.B.F. Oliveira

Page 325 A Numerical Study of Sand Mining in a Conceptual Scenario Test

Mariana Ramos; Paulo A. Silva; André Fortunato; Anabela Oliveira & Francisco Sancho António H. da Klein; Fernando L. Diehl & Lindino Benedet

Page 331 Beach Rotation and Coastal Erosion in Armação de Pêra Bay. The Example of Salgados - Galé Sector (Algarve, Portugal) -

Celso Aleixo Pinto & Sebastião Braz Teixeira

Page 335 Forecasting Coastal Utility System (FOCUS)

Derek W.T. Jackson; Gonzalo Malvarez; Emilia Guisado Pintado, Joni Backstrom & Andrew Cooper

Page 337 Managing Rural Activity Beaches in Ireland: An Integrated Approach

John McKenna & Andrew Cooper

Page 341 Leirosa Sand Dunes: A Case Study on Coastal Protection

Catarina Schreck Reis: José Antunes do Carmo & Helena Freitas

Page 343 Development of Deterministic Models in a Blowout of Coastal Dunes (Barreira do Inferno) on the North-East of Brazil

P. Fracasso; L. Menezes; Y.A. Reyes-Peres; R. Cavalcante Freire; A. de Medeiros Souza; D. Siqueira de Gauw; V. Dantas de Araújo; C.J. Appi; J.L. Porsani & F. Pinheiro Lima Filho

Page 347 Underwater Walk at Praia da Marinha, Algarve

Paula Gaspar; Sebastião Braz Teixeira; Jacinta Fernandes; Luis Bentes; Joaquim Ribeiro; Pedro Gil Lino & Jorge M.S. Gonçalves

Page 349 Methodology for the Control of Beach Nourishment Works in the Gulf of Cadiz (SW Spain)

J.J. Muñoz Perez; A. Herrera; G. Gomez Pina & L. Fages

Page 351 Geomorphology and Vegetation: A Contribution for a Synthesis on Erosion vs. Stability Bioindicators of the Coastal

Ângela Lomba, João Honrado, Helena Granja, Jean Favennec & Juan Vidal Romani

Page 353 Influence of Urban Infrastructures Location in the Event of Littoral Storms. The Maritime Sea Walkway in the Rincón de la Victoria, Málaga on the March 26 - 29, 2004 Storm Event

Pedro Fernández & Carolina Pérez

Page 355 Portuguese Experiences on the Use of Geosynthetics in Coastal Erosion Control

Luciana das Neves; Fernando Veloso Gomes; Maria de Lurdes Lopes & Francisco Taveira Pinto

Page 359 Managing the Coastal Zone of the Centre Region of Portugal

Margarida Nunes; Teresa Carvalho; Helena Duarte; Pedro Raposo

Sub-Theme 5: Tourism and Coastal Conservation

Page 363 Opportunities and Threats Posed by Tourism Development in Natural Areas. Case Study: Park of Nature "Biokovo", Dalmatian County, Croatia

Lidija Petrić

Page 367 The Role of EcoTourism and the Coasts in the Nigerian Environment

Christabel I. Okeke

Page 371 Impacts and Potentialities of Tourism on Artisanal Fishermens' Communities at Corumbau Marine Extractive Reserve, Bahia State - Brazil

Fernanda Terra Stori; Regina di Commo; Marcus Polette & Nivaldo Nordi

Page 375 Foredune Fragmentation and Tourist Pressure in Two Natural Places in the Coast of Huelva, SW Spain

Sara Muñoz Vallés; Juan Gallego-Fernández & Claudia Dellafiore

Page 379 Integrated Quality Management Coastal Recreation and Tourism Business Destinations Strategy

Flena Vitkienė

Page 383 Effect of Human Trampling on Mediterranean Sandy Beaches: Sandhoppers as Bioindicators?

A. Ugolini; G. Galanti; S. Somigli; G. Ungherese; A. Perfetti; F. Borghini & S. Focardi

Page 387 Residues of Persistent Organic Pollutants in Coastal Environments - A Review

Fernando P. Carvalho