Opening Ceremony

Room 1

Under the patronage of his Excellency Nadhir Hamada
Minister of Environment and Sustainable Development

Chairperson: Mohamed Choura

Friday, March 23, 2007 | 10:00 - 12:00 | Plenary

Room 1

Chairperson: José Carlos Ferreira

Page 3 Coastal erosion sustainable management of Tunis south suburbs - Tunisia
Ben Haj, Mehd; Ali Torki, Mohamed; Abecasis, Carlos & Silva, Adélio

Page 7 National Strategy for the Coastal Zone Management of Portugal
Veloso Gomes, F.; Barroco, Ana; Ramos Pereira, Ana; Sousa Reis, Carlos; Calado, Helena; Gomes Ferreira, João; Freitas, Maria da Conceição & Biscoito, Manuel

Page 9 Dynamic response of natural and anthropogenic factors of the shore fringe from Hammam-Lif to Solymar beach (Tunisia)
Medhioub, Samir; Choura, Mohamed & Naifar, Fahmi

Page 15 Data harmonisation – why it does matter to coastal managers
Salman, Albert; Lucius, Irene; Ferreira, Maria & Longhorn, Roger

Page 17 Variability of grain sizes in a beach nourishment programme for the Danish west coast
Frigaard, Peter & Arne Wahl, Niels
Friday, March 23, 2007 | 14:30 -16:00 | Parallel Sessions A

**Room 1**

**Theme: Integrated Coastal Zone Management (ICZM)**
**Chairperson: Fernando Veloso Gomes**

- **Page 115** A web-based decision support system for assisting regulatory and management processes in the sustainable exploitation of marine aggregate  
  Lassoued, Yassine & Sutton, Gerry

- **Page 119** QualityCoast international programme for human & environment friendly coastal tourist destinations  
  Ferreira, Maria; Pickaver, Alan; O’Mahony, Cathal; Salthouse, Caroline & Fernández-Palacios, Yaiza

- **Page 121** Setting the basis for an ICZM Plan of Action at the Moroccan province of Nador  
  Perez, Carolina; Lucius, Irene; Khattabi, Abdellatif & Fernandez, Pedro

- **Page 125** A framework for the management of sand dune systems in Wales  
  Rhind, Peter & Jones, Rod Daoud, A.H.; Abul-Azm, A.G. & Rakha, K.A.

**Room 2**

**Theme: The Sea, Coasts and Coastal Lagoons**
**Chairperson: Lotfi Aleya**

- **Page 131** Flow simulation at Damietta using a two-dimensional finite volume hydrodynamic model  
  Daoud, A.H.; Abul-Azm, A.G. & Rakha, K.A.

- **Page 133** Morphodynamic and sedimentologic characterization of the Kerkennah platform  
  Ghannem, Nedia; Yaich, Chokri; Rjiba, Soumaya; Omrana, Ramzi Ben & Serbaji, Mohammed Moncef

- **Page 135** Research and natural conservation practice at the Littoral Station of Aguda in North Portugal  
  Weber, Mike; Dias Santos, Jaime; Linhares, Elisabete & Ferreira, Ana

- **Page 139** Performance of the Chlorphyceae Dunaliella salina from Sfax saltern in batch regime culture  
  Guermazi, Wassim; Elloumi, Jannet; Ayadi, Habib; Bouaïn, Abderrahmen & Aleya, Lotfi
Friday, March 23, 2007 | 16:30 - 18:10 | Parallel Sessions B

Room 1

Theme: Living with Erosion
Chairperson: Mohamed Soussi

Page 207 | Linkage of coastal belt sanitation to near-shore greening process through ground water fluxes induced by wetland flooding
Paimpillil, Joseph Sebastian; Balachandran, K.K. & Joseph, T.

Page 213 | Similarities of coastal evolution in Vietnam and Poland; evidence upon observations and analyses
Różynski, Grzegorz; Pruszk, Zbigniew & Szmytkiewicz, Marek

Page 217 | Protection, fixing and evolution of bordering dunes -experimental project on beach of Mahdia - Tunisia
Ben Haj, Mehdi & Ali Torki, Mohamed

Page 221 | Contribution of geographic information system (GIS) in the geomorphologic evolution of the islets of Kneiss (southern coast of Sfax, Tunisia)
Gargouri, Dorra; Jedoui, Younes & Montacer, Marbrouk

Page 223 | Impact of the harbor and protective installations on the marine morphodynamics in the El Kantaoui coastline area (eastern Tunisia)
Gharbi, Wissem; Souissi, Radhia & Belhadji, Mehdi

Room 2

Theme: Miscellaneous
Chairperson: Gregorio Iglesias

Page 57 | Impacts of a coastal defence structure in the north of Portugal
Dias Santos, Jaime P.; Weber, Mike & Veloso Gomes, Fernando

Page 107 | Multi-purpose marine areas: integrating mariculture in offshore wind farms
Michler, Tanja & Buck, Bela H.

Page 161 | Field measurements and analysis of sea current offshore Taranto
Ben Meftah, M.; de Serio, F.; Mossa, M.; Petrillo, A. & Pollio, A.

Page 179 | Development and application of three dimensional water quality model for Manzala lagoon, Egypt
Ahmed, Mahmoud H. & Donia, Noha

Page 185 | Numerical model of a floating oil boom
Castro, A.; Iglesias, G.; Fraguela, J.A.; Sabin, J.M.; Carballo, R.; Rabuñal, J. & Taveira Pinto, F.
Workshops

Saturday, March 24, 2007 | Morning

Workshop 1  Coastal Video Monitoring

Workshop 2  Coastal Instrumentation Systems

Technical Visit

Saturday, March 24, 2007 | Afternoon

THE SOUTH TUNIS LITTORAL

ZONE CARTOGRAPHY OF HYDRODYNAMICS

SHORELINE EVOLUTION AND PROTECTION STRUCTURES

THE COASTAL LAGOON OF KORBA (CAP BON, TUNISIA)

PHYSICAL PROPERTIES, HYDRODYNAMICS

PRESERVATION PROJECT
Sunday, March 25, 2007 | 9:00 - 10:30 | Parallel Sessions C

Room 1

Theme: Integrated Coastal Zone Management (ICZM)
Chairperson: Maria Ferreira

Page 71  Imperatives of the governance of marine protected areas in West Africa
Failier, Pierre; van de Walle, Gilles; Carrier, Sonia; Balde, Djibril; Daim Dia, Abou & Deme, Moustapha

Page 75  Signatures of low-dimensional chaos in Hourly sea level measurements at Mariupol (Ukraine)
Khokholov, Valeriy & Lukianova, Catherine

Page 79  Biodiversity and conservation, a main goal in integrated and sustainable coastal zone management in the Azores
Costa, A.C. & Dionísio, M.

Page 83  Marine invertebrate contribution to coastal zone management
Rodrigues, P. & Costa, A.C.

Room 2

Theme: Living with Erosion
Chairperson: Trigo Teixeira

Page 231  Survey of coastal erosion with laser bathymetry
Stigermark, Carl-Johan

Page 251  The impact of hydrotechnical erections on the sea shoreline: as illustrion Palanga, Lithuania
Ošauskas, Algimantas M. & Urboniūnė, Ramune Ošauskaitė

Page 265  Rubble mound breakwaters accelerating method
Badripour, Hamidreza

Page 265  Some remarks on sea level variation in Portugal: a statistical analysis
Alves da Silva, António & Freire, Elisabete
Sunday, March 25, 2007 | 11:00 - 12:30 | Parallel Sessions D

**Room 1**

Theme: Living with Erosion  
Chairperson: Carolina Perez

**Page 237**  
A holistic evaluation of a typical beach nourishment  
Margheritini, Lucia; Frigaard, Peter & Arne Wahl, Niels

**Page 241**  
Morphological evolution of the Tabarka - Bouterfess coast  
Halouani, Nabila & Gueddari, Moncef

**Page 243**  
Analysis of wave reflection at submerged breakwaters with a genetic fuzzy system  
Ibañez, O.; Castro, A.; Iglesias, G.; Taveira Pinto, F.; Rabuñal, J.; Dorado, J. & Carballo, R.

**Page 245**  
Geosynthetics in protection against erosion for river and coastal banks and marine and hydraulic construction  
Koffler, Albert; Choura, Mohamed; Bendriss, Ahmed & Zengerink, Edwin

**Room 2**

Theme: Strategic Environmental Assessment in Coastal Areas  
Chairperson: Yaich Chokri

**Page 23**  
Methodological approach of coastal areas, concerning typology and spatial indicators, in the context of integrated management and environmental assessment  
Kiousopoulos, John

**Page 27**  
Assessing carrying capacities of coastal areas  
Chadenas, Céline; Pouillaude, Agnès & Pottier, Patrick

**Page 35**  
First steps in strategic environmental assessment (SEA) adoption for coastal planning in Sicily (south Italy)  
Lo Curzio, Massimo; Lanza, Stefania & Randazzo, Giovanni

**Page 61**  
The Irish sea marine aggregates initiative: contributing to strategic environmental assessment  
Sutton, Gerry & Lassoued, Yassine
Sunday, March 25, 2007 | 14:30 - 16:00 | Parallel Sessions E

**Room 1**

Theme: Integrated Coastal Zone Management (ICZM)
Chairperson: Luciana das Neves

Page 85  Molluscs as a tool for island conservation and management
Cunha, R.; Rodrigues, P. & Frias Martins, A.M.

Page 87  Application of a participatory methodology for beach management: a case study
Fabiano, M.; Dursi, R.; Ivaldi, R.; Marin, V. & Palmisani, F.

Page 91  Design of a socioeconomic model taking into account the environmental and socioeconomic evolution
Santiago, Juan M.; Baquerizo, Asunción & Losada, Miguel A.

Page 95  Management challenges on public maritime domain in small islands – Azores archipelago case study
Botelho, A.; Alves, F.; Calado, H.; Porteiro, J.; Quintela, A. & Moniz, A.

**Room 2**

Theme: The Sea, Coasts and Coastal Lagoons
Chairperson: Habib Ayadi

Page 169  Stratification of phytoplankton community in coastal and oceanic areas in gulf of Gabès (south-eastern of Tunisia, Mediterranean sea)
Drira, Zaher; Hamza, Asma; Ayadi, Habib; Belhassen, Malika; Bouain, Abderrahmen & Aleya, Lofti

Page 177  Contribution to the valorization of the brown alga Padina Pavonica: cartography of the settlements and evaluation of the quantities at Cap-Zebib (Septentrional Tunisia)
Hanen, Ferjani; Jamel, Ksouri & Fethi, Mensi

Page 183  Geochemistry of the major elements and fluorine in the waters of the coastal Ghannouche - Gabès (gulf of Gabès): impact of phosphogypsum waste
Ben Amor, Rim & Gueddari, Moncef

Page 189  An artificial vision system for the analysis of oil boom performance
Ibañez, O.; Iglesias, G.; Castro, A.; Rabuñal, J.; Dorado, J.; Carballo, R. & Taveira Pinto, F.
Sunday, March 25, 2007 | 16:30 - 18:10 | Parallel Sessions F

Room 1

Theme: Living with Erosion
Chairperson: Aurora López-Delgado

Page 223  The geosynthetic challenge to improve environmental, coastal and offshore engineering applications
von Maubeuge, Kent P.; Coulson, John & Heerten, Georg

Page 225  Sand budget on holocene relict delta Tordera bodies and spit (Maresme coast, NW Mediterranean)
Serra, Jordi & Valois, Xènia

Page 227  Sedimentary dynamic study of Nabeul coast (eastern of Tunisia)
Turki, Imen; Souissi, Radhia; Medina, Raul; Castanedo, Sonia; Souissi, Foued & Belhadj, Mehdi

Page 247  Modelling of coastline evolution: the extension of port of Figueira da Foz sheltering works (Portugal)
Trigo Teixeira, António

Room 2

Theme: The Sea, Coasts and Coastal Lagoons
Chairperson: Mahmoud Moussa

Page 143  Effects of infauna harvesting on tidal flats of a coastal lagoon (Ria Formosa - Portugal): implications on nitrogen and phosphorus dynamics
Falcão, M.; Caetano, M.; Serpa, D. & Vale, C.

Page 193  Numerical model of the ria de Muros (NW Spain)
Carballo, R.; Iglesias, G.; Castro, A.; de Blas, A.; Suarez, A. & Cremades, J.

Page 201  Spatiotemporal variability of nutrients in the lagoon El Meleh of Slimene (NE of Tunisia)
Ben Ahmed, Rabia

Page 203  Monitoring study of stranded cetaceans along the north coast of Tunisia
Attia El Hili, H.; Ben Salah, C.; Ayari, W.; Ben Amor, N. & Mraouna, R.
Monday, March 26, 2007 | 9:00 -10:30 | Parallel Sessions G

**Room 1**

**Theme: Integrated Coastal Zone Management (ICZM)**
Chairperson: Giovanni Randazzo

**Page 99** Waste management at Azores islands: challenges and opportunities  
Brito, A.G.; Nogueira, R. & Cunha, R.

**Page 103** Camargue, stakes land, ideal candidate for integrated coastal zone management  
Heurtefeux, Hugues & Lanzellotti, Provence

**Page 111** Long-term principle conception for development of integrated coastal zone management  
Vitkiene, Elena

**Room 2**

**Theme: Miscellaneous**
Chairperson: Ameur Ouslati

**Page 43** Management of freshwater releases to Ichkeul Lake  
Djebbi, Mohamed; Chakroun, Hedia & Elloumi, Marie-José

**Page 47** Ciliated protozoan communities and water quality in the Sfax area (Tunisia), Mediterranean sea  
Elloumi, Jannet; Guermazi, Wassim; Ayadi, Habib; Tayari, Noura; Bouaïn, Abderrahmen & Aleya, Lotfi

**Page 53** A multiscale approach for an environmentally sound management of small marinas  
Fabiano, M.; de Vito, P.; Laconi, P.; Marin, V.; Moreno, M.; Paoli, C.; Vassalo, P. & Vezzulli, L.

**Page 197** Some potentially toxic species within the algal community of the Bizerte lagoon  
Bouchouicha, Donia; Sakka Hlaili, Asma; Sahraoui, Inès & Hadj Mabrouk, Hassine

programme subject amendment, please check all information during the conference
Monday, March 26, 2007 | 11:00 - 12:30 | Parallel Sessions H

Room 1

Theme: Miscellaneous
Chairperson: Aurora López-Delgado

Page 41  Effects of copper and PP’DDE on catalase activity measured in the mussel (Mytilus Galloprovincialis)
Khessiba-Jabeur, Asma; Gnassia-Barelli, Mauricette; Roméo, Michèle & Aïssa, Patricia

Page 165  Short-term distribution of the viroplankton along salinity
Elloumi, Jannet; Guermazi, Wassim; Ayadi, Habib; Carrias, Jean-François; Sime-Ngando, Télesphore; Boukhris, Mekki & Bouaïn, Abderrahmen

Page 209  Computation of the stability of the beach nourishment of Taparura project using sediment compatibility and physical coastal process approaches
Medhioub, Samir; Chaabouni, Ridha & Hentati, Riadh

Page 235  Morphological and sedimentological study of the northwestern and southeastern coasts of Jerba island
Gzam, Maher; Souissi, Radhia; Turki, Imen & Choura, Mohamed

Room 2

Theme: The Sea, Coasts and Coastal Lagoons
Chairperson: Mohamed Soussi

Page 147  Variation of the accumulation of cadmium in hexaplex trunculus (Gastropoda: muricidae) of Bizerte lagoon (north Tunisia) as a function of season and organ
Gharbi-Bouraoui, Samia; Dellali, Mohamed; Roméo, Michèle; Gnassia Barelli, Mauricette & Aïssa, Patricia

Page 151  Sedimentation and paleoenvironment of Paralic system of Skhira-Gabès coastal: Sebkha Gattiate (the gulf of Gabès) Tunisia
Gargouri ben Ayed, Z.; Abichoux, H.; Oueslati, A. & Zouari, K.

Page 153  Inverse modeling of carbon flows in the planktonic food web in a coastal lagoon (Bizerte lagoon, north Tunisia)
Grami, Boutheïna; Sakka Hlaili, Asma; Niquil, Nathalie & Mabrouk Hadj, Hassine

Page 157  Identification of the Pseudo-nitzschia delicatissima in the northern Tunisian waters (Bizerte lagoon)
Sahraoui, Inès; Sakka Hlaili, Asma; Bouchouiicha, Donia & Mabrouk Hadj, Hassine
Poster Presentations

Friday, March 23, 2007 | 12:00 - 12:30 | Poster Exhibition

Page 31  Environmental impact associated to a beach nourishment: a case study
Herrera, A.; Gomez-Pina, G.; Fages, L. & Muñoz-Perez, J.J.

Page 173  Biology and habitat use patterns of gobius paganellus (pisces, gobiidae) in two littoral ones (protected area and non-protected area) in the north eastern Atlantic
Velasco, E.; Gómez-Cama, M.C. & Soriguer, M.C.

Page 271  West African marine and coastal protected areas: is there still a room for indigenous knowledge?
Carrier, Sonia; Failer, Pierre; van de Walle, Gilles; Balde, Djibril; Daim Dia, Abou & Deme, Moustapha

Page 275  Response of offshore nematode communities to increasing levels of hydrocarbon contamination
Amor, Hedfi; Ezzeddine, Mahmoudi; Fehmi, Boufahja; Hamouda, Beyrem & Aissa, Patricia

Page 279  Temperature records and dinoflagellate assemblages of the western Mediterranean sea during the last 20000 years
Rouis Zargouni, Imene; Essallemi, Latifa; Kallel, Néjib; Turon, Jean-Louis; Londeix, Laurent; Labeyrie, Laurent & Duplessy, Jean-Claude

Page 281  The defence of the natural and cultural heritage - the contribute of GIS to information management
Pedrosa, A.; Freitas, C. & Pires, J.