

SUPPORT



INSTITUTO
DE HIDRÁULICA
E RECURSOS
HÍDRICOS



Universidade do Porto
FEUP Faculdade de
Engenharia



encora



PoCoast

<http://www.fe.up.pt/ihrh/pocoast>

PoCoast Seminar on Coastal Research

Seminário sobre a Investigação na Zona Costeira da Rede PoCoast

May 26-28, 2008 | Auditorium, Faculdade de Engenharia da Universidade do Porto, Portugal



CONTACT

Prof. Francisco Taveira Pinto

Hydraulics and Water Resources Institute

Faculty of Engineering of the University of Porto

Rua Dr. Roberto Frias, s/n | 4200-465 Porto, Portugal

t.: +351 225 081 966 | f.: +351 225 081 952 | e.: fpinto@fe.up.pt

SUNDAY | MAY 25, 2008

REGISTRATION | 18:00-20:00

MONDAY | MAY 26, 2008

REGISTRATION | 08:00-09:00

OPENING CEREMONY | 09:00-09:40

SESSION I: ICZM PARTICIPATION AND IMPLEMENTATION & CAPACITY BUILDING, TRAINING AND EDUCATION IN ICZM

Chairman: Fernando Veloso-Gomes

- [09:40-10:00] Informal capacity building for stakeholder participation in ICZM: The use of coastal community surgeries in Pembrokeshire, UK
Morris, S. & Jones, S.
- [10:00-10:20] Marine ordinance of the gulf of California (Mexico). Results from a participative process
Azuz-Adeath, I.; Muñoz-Sevilla, P.; Ortega-Rubio, A.; Díaz de León, A.; Pedroza, D. & Mendoza, L.
- [10:20-10:40] GIZC - E a opinião da população costeira conta?
Pinho, L.; Martins, F. & Almeida, A.B.

COFFEE BREAK | 10:40-11:00

SESSION II: ICZM PARTICIPATION AND IMPLEMENTATION

Chairman: Sander van Roij

- [11:00-11:20] O processo de participação pública no contexto insular: o caso dos Planos de Ordenamento da Orla Costeira das ilhas de Stª Maria, Graciosa, Flores e Corvo, Açores
Pereira da Silva, C.; Lopes Alves, F. & Calado, H.
- [11:20-11:40] A variabilidade das condições morfodinâmicas e suas implicações na segurança praial no litoral sul do Brasil
Maia, N.Z. & Calliari, L.J.
- [11:40-12:00] Legislation and integrated coastal zone management
Marinski, J.; Droumeva, G. & Stancheva, M.
- [12:00-12:20] Integrar e mobilizar as comunidades costeiras no processo de planeamento para a sustentabilidade do território litoral
Farinha, J.; Ferreira, J.C.; Quaresma, C.; Vasconcelos, L. & Caser, U.
- [12:20-12:40] Diagnóstico participativo do potencial produtivo de comunidades de recôncavo Baiano, Bahia - Brasil
Benchimol, M.

LUNCH | 13:00-14:00

SESSION III: RESTORATION AND PRESERVATION OF COASTAL BIODIVERSITY

Chairman: João Honrado

- [14:00-14:20] Monitorização da Vegetação numa zona húmida do centro de Portugal afectada por restrição de marés (Baixo Vouga Lagunar, Aveiro)
Pinho, R.; Maia, P. & Keizer, J.
- [14:20-14:40] Tide induced dynamics and associated flow of turbidity in the lower Tagus estuary
Martins, I.M.; Silva, A.J. & Almeida, J.F.
- [14:40-15:00] Integrated management model - the Sado estuary
Costa, M.H.; Caeiro, S.; Vasconcelos, L. & Paínho, M.
- [15:00-15:20] Estado ecológico das pequenas ribeiras costeiras entre o rio Minho e a barrinha de Esmoriz
Fidalgo, M.L.; Valente, A. & Vieira, N.
- [15:20-15:40] Spatial analysis of echo sounding survey applied to benthic habitat mapping
Bonetti, C.; Meleder, V.; Populus, J.; Mouquet, P.; Perrot, T; Daniel C. & Guillaumont, B.
- [15:40-16:00] Biomares, um projecto LIFE para a recuperação e gestão da biodiversidade do parque marinho Luiz Saldanha, na Arrábida
Cunha, A.H.; Erzini, K.; Serrão, E.; Gonçalves, E.; Farinha, J.C.; Henriques, M.; Henriques, V.; Guerra, M. Duarte, C. & Marbá, N.

COFFEE BREAK | 16:00-16:20

SESSION IV: SUSTAINABLE COASTAL ENGINEERING TECHNIQUES

Chairman: Luciana das Neves

- [16:20-16:40] Monitorização e evolução morfológica de zonas costeiras arenosas - Costa da Caparica, Portugal
Veloso-Gomes, F.; Taveira-Pinto, F.; Pais-Barbosa, J.; Costa, J. & Rodrigues, A.
- [16:40-17:00] Numerical investigation of multi-functional artificial reefs for coastal protection
Voorde, M.T.; Antunes do Carmo, J.S. & Neves, M.G.
- [17:00-17:20] Problems of the coasts erosion in the North-Eastern Black sea region
Kos'yan, R.; Khanukaev, B. & Kuklev, S.
- [17:20-17:40] Coastline change: simulations in the Maceda-Torreira region
Talbi, Olfa; Moussa, Mahmoud & Trigo Teixeira, António
- [17:40-18:00] Voluntary agreements for a sustainable financial support in beach nourishment
De Angelis, G. & Venzi, L.

TUESDAY | MAY 27, 2008

SESSION V: MARINE AND COASTAL SPATIAL PLANNING

Chairman: Maria Ferreira

- [09:00-09:20] Instruments integration for spatial planning: extrapolation to small islands, Azores Archipelago
Paramio, L.; Botelho, A. & Calado, H.
- [09:20-09:40] Modelos geográficos e sistemas complexos - Técnicas de geocomputação para a monitorização da zona costeira
Ferreira, J.C.; Rocha, J.; Simões, J. & Tenedório, J.A.
- [09:40-10:00] Tools for comprehensive estimate of coastal region marine economy potential and its use for coastal planning
Gogoberidze, G.
- [10:00-10:20] The coastal area spatial plan for Montenegro
Karajovic, S.
- [10:20-10:40] Waterfront land use change, marine resource conditions regulation: New Bedford pilot study
Portman, M.E.

COFFEE BREAK | 10:40-11:00

SESSION VI: MARINE AND COASTAL SPATIAL PLANNING & COASTAL DUNES

Chairman: Carlos Pereira da Silva

- [11:00-11:20] O processo de artificialização do território litoral. Exemplos do litoral Catarinense (Brasil): Balneário Camboriú e Jurê Internacional (Florianópolis)
Ferreira, J.C.; Silva, L. & Polette, M.
- [11:20-11:40] Índices de análise espacial e a quantificação dos efeitos da fragmentação dos habitats de duna frontal pelo pisoteio (Vila Nova de Gaia, Portugal)
Laranjeira, M.M. & Pereira, A.R.
- [11:40-12:00] Monitoramento da vulnerabilidade biofísica dunar no litoral de Sergipe, Brasil
Oliveira, A.C.A. & Souza, R.M.
- [12:00-12:20] Coastal dune monitoring: implementing remote sensing techniques
Delgado-Fernandez, I. & Davidson-Arnott, R.G.D.

LUNCH | 13:00-14:00

SESSION VII: ASSESSMENT OF FIELD OBSERVATION TECHNIQUES

Chairman: António Trigo-Teixeira

- [14:00-14:20] Late quaternary coastline variations between Tróia and Cape Espichel from new geological and geophysical data
Brito, P.; Henrique, D.; Terrinha, P. Rebêlo, L. & Ferraz, M.
- [14:20-14:40] A importância dos efeitos não-astronómicos na análise harmónica da maré
Quaresma, L.S. & Reis, J.L.
- [14:40-15:00] Development of low cost and high precision prototype systems for morphological and sedimentary data acquisition in sandy shores
Baptista, P.; Cunha, T.; Bernardes, C.; Gama, C. & Ferreira, O.
- [15:00-15:20] A low tide cyclonic vortex induced by topography in the low Douro river estuary
Quaresma, L.S.; Pinto, J.T.; Alenquer, N. & Silva A.J.
- [15:20-15:40] Análise de Hidromorfologias e Hidroformas Costeira Locais Utilizando Ferramentas SIG - Sector Esmoriz-Furadouro
Pais-Barbosa, J.; Veloso-Gomes, F. & Taveira-Pinto, F.
- [15:40-16:00] TerraSAR-X radar for coastal studies and pollution detection
Silva, J.C.B.

COFFEE BREAK | 16:00-16:20

SESSION VIII: ASSESSMENT OF FIELD OBSERVATION TECHNIQUES

Chairman: Fátima Alves

- [16:20-16:40] Is there a Northwest Iberian Coastal current?
Silva, A.J.; Martins, I.M.; Santos, A.I.; Moita, M.T. & Bastos, L.C.
- [16:40-17:00] Improving results of ADCP transects in shallow estuarine waters
Diniz, F.; Quaresma, L.S. & Silva, A.J.
- [17:00-17:20] Characteristics of the runoff from small streams flowing into the ria de Aveiro
Silva, J.F. & Almeida, J.R.M.
- [17:20-17:40] Results of natural tests of processing technology of hydrostatic pressure pulsations for definition of wind waves on a sea surface
Sokolov, V.
- [17:40-18:00] All weather monitoring of currents and waves by radar
Ziemer, Friedwart & Cysewski, Marius

WEDNESDAY | MAY 28, 2008

SESSION IX: MULTIFUNCTIONALITY AND VALUATION & LONG TERM COASTAL GEO-MORPHOLOGICAL CHANGE

Chairman: Kazimierz Furmanczyk

- [09:00-09:20] Preferences for reducing visual impacts from offshore wind farms - Heterogeneity and coastal zone recreational patterns
Dubgaard, A. & Ladenburg, J.
- [09:20-09:40] Morphodynamic impacts of a tidal barrage in the Mersey estuary, and its implications on the Dee estuary
Carroll, B. & Li, M.
- [09:40-10:00] Sediment volume variation in the NW sector of Tróia Peninsula (Portugal) between 1928 and 1995
Rebêlo, L.; Ferraz, M.; Brito, P.; Terrinha, P. & Zanetti, L.
- [10:00-10:20] Analysis of the natural and anthropogenic evolution of Cancun beach, México, as a contribution to its sustainable management
Félix, D.A.; Mendoza, B.E.; Silva, C.R.; Rivera-Arriga, E.; & Palacio A.G.
- [10:20-10:40] Physiographic units and depth of closure for Italian coast: methods and results
Bruschi, A.; Lisi, I.; Del Gizzo, M.; Corsini, S.; Archina, M. & Barbano, A.

COFFEE BREAK | 10:40-11:00

SESSION X: LONG TERM COASTAL GEO-MORPHOLOGICAL CHANGE

Chairman: José Carlos Ferreira

- [11:00-11:20] Long-term natural/human-induced changes to the beaches of Varna bay (Bulgarian coast)
Stancheva, M.; Palazov, A.; Marinski, J.; Peychev, V. & Stanchev, H.
- [11:20-11:40] Prediction of the coastal erosion in a selected area (Rewal Community) at the Polish coast
Furmanczyk, K. & Nowak, J.D.
- [11:40-12:00] Long term and short term coastal line changes of the Eastern Gulf of Finland. Problems of coastal erosion
Ryabchuk, D.; Spiridonov, M.; Zhamoida, V. & Nesterova, E.
- [12:00-12:20] Accurate forecast of tidal heights using non-stationary tidal data by Wavelet Filter Banks and Harmonic Analysis
Martinho, A.S.; Reis, J.L. & Silva, A.J.
- [12:20-12:40] Climatic and tectonic significance of upper Pleistocene terraces from Lavadores, Northern of Portugal
Jesus, A.P.; Mosquera, D.F.; Romani, J.R.V. & Noronha, F.

LUNCH | 13:00-14:00

SESSION XI: POLLUTION, PREVENTION, DETECTION AND MITIGATION

Chairman: Francisco Taveira-Pinto

- [14:00-14:20] Exploring the cost-effectiveness of economic incentives for water quality improvement in linked catchments and marine ecosystems
Roebeling, P.C. & van Grieken, M.E.
- [14:20-14:40] Long term changes in chemical properties of Sado estuary sediments
Brogueira, M.J.; Cabeçadas, G. & Nogueira, M.
- [14:40-15:00] Observação da pluma residual libertada pelo emissário submarino da Guia - Cascais
Silva, D.; Quaresma, L.S. & Silva, A.J.
- [15:00-15:20] Development and preliminary results of an Eulerian-Lagrangian 3D Oil spill model
Azevedo, A.; Oliveira, A. & Fortunato, A.

CLOSING CEREMONY | 15:20-16:00

POSTER PRESENTATIONS

Comunidades piscatórias litorais: contributos para a sua preservação

Viegas, M.C. & Castro e Lemos, M.L.

Catastrophic gravity currents in the near bottom ocean layer

Zhmur, V.

Community assembly in sand-dune vegetation as a source of indicators for vulnerability assessments

Honrado, J.; Macedo, J.A.; Vicente, J.; Lomba, A.; Henriques, R.F. Granja, H. & Barreto Caldas, F.

Coastal waste lands and cultural sea-marks amphibian territories

Pacitto, J.L.

Characterisation of the planktonic trophic food web of the Bizerte lagoon network analysis (South-Western Mediterranean)

Grami, B.; Hlaili, A.S; Niquil, N. & Mabrouk, H.H.

Biogeographic bias and the need for functional approaches to bioindication in coastal areas

Macedo, J.A.; Silva, G.; Lomba, A.; Vicente, J.; Henriques, R.; Granja, H. & Honrado, J.

Estrutura ecológica da paisagem e rede de corredores verdes - instrumentos para uma gestão integrada e sustentável do litoral

Ferreira, J.C.

Coastal erosion management, a matter of CONSCIENCE

Ferreira, Maria (EUCC-MED)

Assessment and recovery of the shoreline biodiversity in Italian risk coastal areas

Mandrone, S. & Vicini, C.