

September, 21st-22nd-23th
FERRARA EXHIBITION CENTER

www.remtechexpo.com

COAST EXPO CONFERENCE PROGRAMME

Coast, which takes place in parallel with RemTech Expo, is the only national event dedicated to coastal zone and sea management and protection, with the participation of the most competitive companies of the sector and the main authorities, such as Ministries, Port Authorities, Regions and supervisory bodies. The rich and diversified conference program is about the themes of coastal protection, erosion, protection works, monitoring, dredging, sediment management, port operations, Marine Strategy and offshore. It is worth mentioning the 2nd Ports National Conference and the presentation of the activities of the National Board on Coastal Erosion, promoted by the Italian Ministry of the Environment and Protection of Land and Sea, together with the 15 coastal Regions.



| | |
|---------------------------|--|
| 21st September 2016 | <p>Blue Room: 10:00-13:30 - National Ports Conference Organized by Paolo Ferrandino -</p> <p>Blue Room: 14:30-16:00 - National Guidelines on coastal erosion - Opening session Organized by Roberto Montanari, Paolo Ciavola</p> <p>Coast Room: 16:00 -17:30 - National Guidelines on coastal erosion - 2nd session: Coastal erosion and climate change. Critical issues scenarios Organized by Paolo lupino, Massimiliano Fazzini</p> |
| 22nd September 2016 | <p>Coast Room: 10:00-11:30 - National Guidelines on coastal erosion - 1st session: Coastal erosion and climate change. Adaptation strategies and needs assessment Organized by Luigi Cipriani</p> <p>Coast Room: 11:30-13:30 - National Guidelines on coastal erosion - 2nd session: Coastal defence works. Analysis tools and strategies for their use Organized by Pierluigi Mancuso, Francesco Lalli</p> <p>Coast Room: 14:00-15:45 - National Guidelines on coastal erosion - 1st session: Sediments resources. Potential and environmental aspects of relict marine sedimentary deposits - Organized by Paolo Lupino</p> <p>Coast Room: 15:45-17:30 - National Guidelines on coastal erosion - 2nd session: Sediments resources. Potential and environmental aspects of coastal deposits and in river basins - Organized by Daniela Paganelli</p> |
| 23rd September 2016 | <p>Coast Room: 10:00 -11:30 - National Guidelines on coastal erosion - 1st session: Regulatory framework Organized by Giorgia Filomena</p> <p>Coast Room: 11:00-13:30 - National Guidelines on coastal erosion - Closing session Round Table on European and Mediterranean opportunities Organized by Paolo Lupino and Roberto Montanari</p> <p>Coast Room: 14:00-15:30 - GNRAC National Group for Coastal Environmental Research Organized by Pierluigi Aminti, Lorenzo Cappietti</p> <p>Coast Room: 16:00-18:00 - GNRAC National Group for Coastal Environmental Research - Special session on the exploitation of marine renewable energies Organized by Pierluigi Aminti, Lorenzo Cappietti</p> |

21st SEPTEMBER - Morning

National Ports Conference



Wednesday, 21st September 2016, 10:00 - 13:30

Opening remarks

Silvia Paparella, RemTech Expo

Filippo Maria Soccodato, Alta Scuola (Perugia)

Welcome address by the Authorities

Assoporti

Italian Ministry of Environment and Protection of Land and Sea (Rome)

Contributions

Andrea Ferrante, Superior Council of Public Works - to be confirmed

Laura D'Aprile, Italian Ministry of Environment and Protection of Land and Sea (Rome)

Davide Pellegrini, Fulvio Onorati, ISPRA - to be confirmed

Francesco Messineo, Assoporti - Port Authority of Marina di Carrara - to be confirmed

Contributions from the Call for paper of RemTech Expo's Scientific Committees

Modeling support in the definition and management of the works for the mitigation of the silting-up phenomenon in Tremestieri Port (Messina)

A. Pedroncini, S. Torretta, DHI Srl

F. Di Sarcina, M. Maccarone, Port Authority of Messina

Geotechnical aspects in the design of marine containment areas: the port of Gaeta (Latina)

Moreno Scotto, Maccaferri SpA

Salvatore Miliziano, Sapienza University of Rome

Title to be defined

Flavio De Stefanis, Port Authority of Savona

Debate

Location : Blue Room

Organized by : Paolo Ferrandino

21st SEPTEMBER - Noon



National Guidelines on coastal erosion

Opening session

Wednesday, 21st September 2016, 14:30 – 16:00

| | |
|---|--|
| A sustainable strategy for coastal protection | <i>Silvia Velo, Italian Ministry of Environment and Protection of Land and Sea (Rome)</i> |
| The role of the Italian Regions | <i>Donatella Spanu (Environmental Commission Chairwoman of the Conference of Regions) - tbc</i> |
| Coastal protection in France | <i>Ludovic Schultz, Sous-direction du littoral et des milieux marins, MEEA (France)</i> |
| Coastal protection in Spain | <i>Ana García Fletcher, DG de Sostenibilidad de la Costa y el Mar, MAGRAMA (Spain)</i> |
| Coastal protection in Netherlands | <i>Alessio Giardino, Deltares, on behalf of the Dutch Ministry of Infrastructure and the Environment</i> |
| Introduction to TNEC | <i>Massimo Gabellini, ISPRA</i> |
| The proposal of the National Guidelines on coastal erosion - Technical and management aspects | <i>Roberto Montanari, Emilia-Romagna Region</i> |
| The proposal of the National Guidelines on coastal erosion - Environmental aspects | <i>Luisa Nicoletti, ISPRA</i> |

Location : Blue Room - **Organized by :** Roberto Montanari, Paolo Ciavola

2nd session: Coastal erosion and climate change. Critical issues scenarios

Wednesday, 21st September 2016, 16:00 - 17:30

| | |
|--|---|
| Overview of the state of affairs and the critical issues | <i>Paolo Lupino, Regione Lazio</i> |
| European project Coastal Mapping - Joint European Coastal Mapping Programme | <i>Corine Lochet, SHOM (France)</i> |
| Managed retreat, adaptation or protection: criteria for a decisional framework. | <i>Enzo Pranzini, University of Florence</i> |
| Shoreline extraction from aerial orthophotos compliant with national and international standards | <i>Nicola Pizzeghello, Italian Marine Hydrographical Institute - IIM</i> |
| Meteo-marine analysis of the Adriatic basin and synoptic conditions favorable to the recent coastal storms | <i>Massimiliano Fazzini, University of Ferrara</i> |
| Contributions from the Call for paper of RemTech Expo's Scientific Committees | <i>Acidification processes in the Adriatic Sea and mitigation strategies. C. Vaccaro, C. Corbau, University of Ferrara</i> |
| Debate | |

Location : Coast Room - **Organized by :** Paolo Lupino, Massimiliano Fazzini

22nd SEPTEMBER - Morning



National Guidelines on coastal erosion

1st session: Coastal erosion and climate change. Adaptation strategies and needs assessment

Thursday, 22nd September 2016, 10:00 – 11:30

| | |
|--|--|
| Overview of needs and adaptation strategies | <i>Luigi Cipriani, Tuscany Region</i> |
| The Blue Economy of the coasts in Italy. Econometric models for the beach erosion risk assessment | <i>Marco Pini, Si.Camera-Unioncamere</i> |
| The CAMP Italy project: strategies for coastal dynamics management | <i>Daniela Addis, CAMP Italy Project National Coordinator PAP/RAC UNEP-MAP</i> |
| Defense and protection of the uses of the coasts in the Mediterranean: opportunities for a common vision and coordinated actions | <i>Andrea Barbanti, CNR-ISMAR Venice</i> |
| Contributions from the Call for paper of RemTech Expo's Scientific Committees | <i>Towards integrated management of the coastal area - The definition of coastal works to protect the coastline from erosion in the Veneto Region - Salvatore Patti, Pier Luigi Simonin, Veneto Region</i> |
| Debate | |

Location : Coast Room - **Organized by :** Luigi Cipriani

2nd session: Coastal protection works. Analysis tools and strategies for their use

Thursday, 22nd September 2016, 11:30 - 13:30

| | |
|---|--|
| Protection works and methods for the reduction of losses of sediments | <i>Pierluigi Mancuso, Calabria Region</i> |
| Intervention of lowering of the emerged breakwaters in Viserba of Rimini - Results and general observations | <i>Alessandro Mancinelli, ISAC-CNR, Polytechnic University of Marche</i> |
| Long-term modification induced by defence works on seabed morphology | <i>Pierluigi Aminti, University of Florence</i> |
| Beach stabilization by drainage: state of the art and future perspectives | <i>Diego Vicinanza, University of Naples</i> |
| Good practices in the design of coastal protection works | <i>Francesco Lalli, ISPRA</i> |
| Contributions from the Call for paper of RemTech Expo's Scientific Committees | |
| Debate | |

Location : Coast Room - **Organized by :** Pierluigi Mancuso, Francesco Lalli

22nd SEPTEMBER - Noon



National Guidelines on coastal erosion

3rd session: Sediments resources. Potential and environmental aspects of Relict Marine Sedimentary Deposits (RMSD)

Thursday, 22nd September 2016, 14:00 – 15:45

| | |
|---|--|
| Framework of the uses and potential of relict marine sedimentary deposits | <i>Paolo Lupino, Lazio Region</i> |
| Environmental aspects in the use of RMSD and environmental database env_Sand | <i>Paola La Valle, ISPRA</i> |
| The in_Sand database | <i>Anna Correggiari, CNR-ISMAR Bologna</i> |
| The SAND+ Protocol of the MEDSANDCOAST European project | <i>Francesco L. Chiocci, Sapienza University of Rome</i> |
| <i>Emilia-Romagna's coast nourishment : from a challenge to a best practice</i> | <i>Ing. Claudio Miccoli , Emilia-Romagna Region - Ing. Carlo Boeri , Jan de Nul</i> |
| Contributions from the Call for paper of RemTech Expo's Scientific Committees | <i>Private initiative on RMSD management and beach nourishment: opportunities for a Blue Growth in the coastal zones Diego Paltrinieri, Arenaria</i> |
| Debate | |

Location : Coast Room - **Organized by :** Paolo Lupino

4th session: Sediments resources. Potential and environmental aspects of coastal deposits and in river basins

Thursday, 22nd September 2016, 15:45 - 17:30

| | |
|---|---|
| Environmental aspects for the characterization of sediments | <i>Daniela Paganelli, ISPRA</i> |
| The SICELL system - Erosion assessment and management of coastal sediments through the integration of monitoring data | <i>Christian Marasmi, Emilia-Romagna Region Nunzio De Nigris, Arpae Emilia-Romagna</i> |
| Potential exploitation of the sediments intercepted in reservoirs | <i>Giovanni La Barbera, Rosella Caruana (Italian Committee on Large Dams-ITCOLD)</i> |
| Prospects and potential for the use of sands from port dredging for beach nourishment | <i>Francesco Messineo, Assoport - Port Authority of Marina di Carrara</i> |
| Contributions from the Call for paper of RemTech Expo's Scientific Committees | <i>Best practices and innovative methodologies for the nourishment of the Lignano Pineta's beach Stefano Boscolo Cucco, La Dragaggi</i> |
| Debate | |

Location : Coast Room - **Organized by :** Daniela Paganelli

23rd SEPTEMBER - Morning



National Guidelines on coastal erosion

1st session: Regulatory framework

Friday, 23rd September 2016, 10:00 – 11:30

| | |
|---|--|
| Regulatory framework - Shortcomings and opportunities | Giorgio Filomena, Marche Region |
| The sustainable management of the coastal zones: the State concessions and public accounting, a new opportunity | Gabriele Lami, Port Authority of Livorno |
| Assessment of the environmental and socioeconomic damage generated by coastal infrastructure in the case-law | Sergio Cappucci, ENEA |
| Contributions from the Call for paper of RemTech Expo's Scientific Committees | <i>From the Po Delta Mouth Contract to the Venetian Coast Contract: exportability of an innovative model for water governance at the scale of mouth areas placed within the river-sea interface and guidance of national policies. - Laura Mosca (Technical-Scientific coordinator Po River Mouth Contract)</i> |
| Debate | |

Location : Coast Room - **Organized by :** Giorgio Filomena

Closing session

Friday, 23rd September 2016, 11:30 - 13:30

“Round table with European and Mediterranean institutions and networks - Adaptation to coastal erosion and to the effects of climate change on Mediterranean coasts: strategies and opportunities for Blue Economy”

| | |
|------------------------|--|
| Alessandra Sensi | <i>Union for the Mediterranean</i> |
| Lise Guennal | <i>Conference of Peripheral Maritime Regions - Intermediterranean Commission</i> |
| Daria Povh | <i>Priority Action Programme/Regional Activity Centre UNEP-MAP</i> |
| | <i>Interreg Mediterranean Programme - tbc</i> |
| Barbara Di Piazza | <i>JTS Interreg Adrion Programme</i> |
| Silvia Majer | <i>AG - Interreg Italy-Croatia CBC Programme</i> |
| Margherita Cappelletto | <i>Horizon 2020 Programme - Bluemed initiative</i> |

Location : Coast Room - **Organized by :** Paolo Lupino and Roberto Montanari

23rd SEPTEMBER - Noon

GNRAC National Group for Coastal Environmental Research



Opening session

Friday, 23rd September 2016, 14:00 - 15:30

Report by invitation

Presentations competing for the 7th Prize G3 - Coastal Studies

Presentations from the business world, project companies, institutions, public administrations

Contributions from the Call for paper of RemTech Expo's Scientific Committees

Location : Coast Room - **Organized by :** Pierluigi Aminti, Lorenzo Cappietti

Special session on the exploitation of marine renewable energies

Friday, 23rd September 2016, 16:00 - 18:00

| | |
|--|--|
| Feasibility of extraction of energy from wave and sizing of a point absorber converter in the Mediterranean Sea | <i>R. Archetti, A. Moreno Miquel, A. Antonini, University of Bologna, G. Passoni, S. Bozzi, G. Gruosso, Polytechnic of Milan</i> |
| U-OWC devices embedded in maritime dams for the extraction of energy from wave: pilot plant at the port of Civitavecchia | <i>F. Arena, A. Romolo, G. Malara, V. Fiamma, V. Laface, Mediterranean University</i> |
| Experiment at sea on a scale model of a U-OWC device | <i>F. Arena, V. Fiamma, V. Laface, G. Malara, A. Romolo, Mediterranean University</i> |
| Feasibility of WEC installation in Calabria | <i>F. Aristodemo, eCampus University, D. Algeri Ferraro, P. Veltri, University of Calabria</i> |
| Preliminary estimate of the combined wave-wind energy potential in the Mediterranean basin | <i>G. Besio, University of Genoa</i> |
| Maritime dam for wave energy: pilot plant at the port of Naples | <i>E. Di Lauro, P. Contestabile, D. Vicinanza, Second University of Naples</i> |
| Design of a multi-function port structure: the OBREC device | <i>G. Palma, S. Mizar Formentin, D. Vicinanza, B. Zanuttigh, University of Bologna, P. Contestabile, Second University of Naples</i> |
| Conversion of wave energy through pushed buoyancy floodgates: the prototype of the port of Piombino | <i>P. Sammarco, S. Michele, M. d'Errico, University of Rome "Tor Vergata" G. Bellotti, Rome Third University</i> |
| Wave energy exploitation through a water column oscillation device | <i>I. Simonetti, I. Crema, L. Cappietti, University of Florence</i> |
| The areas of the Italian seas most suitable for the exploiting of wave energy | <i>V. Vannucchi, D. Pelli, L. Cappietti, University of Florence</i> |
| Multi-function offshore installations in the Mediterranean | <i>B. Zanuttigh, G. Palma, S. Mizar Formentin, University of Bologna</i> |

Location : Coast Room - **Organized by :** Pierluigi Aminti, Lorenzo Cappietti