

Marinetech 2017 - Agenda

14 November

08:30-09:30: Registration

09:30-10:10: Opening Session

10:10-10:30: Opening lecture: João Vitorino (Instituto Hidrográfico), **MONIZEE – the Future**

10:30-11:00: Coffee break

11:00-12:40: Monitoring networks

Moderators: Luísa Bastos, CIIMAR
Carlos Fernandes, Instituto Hidrográfico

Ines Martin Grandes (Fugro Norway AS)

Seawatch: a robust system for long term metocean monitoring network

Miguel Duran Lopez (HCTech - Hércules Control)

BARES: solutions for the instrumental data of waves

Miguel Angel Lieches (Kongsberg Maritime)

Ocean observatories, seabed networks and associated sensors using K-LANDER

Kevin Grangier (Teledyne RD Instruments)

SENTINEL V Real Time measurement

Nuno Almeida (DEIMOS)

SIMOcean: Maritime Open Data and Services Platform

12:40-12:50: Docapesca

Adding value to fisheries products

12:50-14:20: Valuing fisheries products and light lunch

14:20-16:00: Autonomous vehicles

Moderators: Ana Pires, INESC TEC
Miguel Duran, (HCTec- Hércules Control)

Tor Atle Gran (Kongsberg Maritime)

Results from an environmental survey using HUGIN and latest autonomy trends

Luís Madureira (OceanScan – MST)

LAUV (Light Autonomous Underwater Vehicle) Improvements: Towards long term/ long range operations

José Pinto (LSTS)

Coordination of multiple autonomous vehicles: from concept to reality

Pedro Petiz and Tiago Ramalho (Tekever)

The use of RPAS in maritime applications

Nuno Simões (UAVision)

UAVs applied to marine pollution monitoring

16:00-16:30: Coffee break

16:30-18:30: **Project STRONGMAR** (open session)

16:30 – Welcome to participants

16:40 – Antonina dos Santos (IPMA)

The importance of technologies for the Ocean's monitoring

17:00 - Augusto Salgado (Portuguese Navy)

Underwater Archaeology & Robotic: use of ROVs and AUVs to evaluate WWI wrecks

17:20 - Cláudia Matos Pinheiro (A Silva Matos)

Robotics for Oil and Gas

17:40 - Miguel Santos (CIIMAR) * TBC

CORAL: a joint effort for the Sustainability of Ocean Exploitation

18:00 – Eduardo Silva (INESC TEC)

Final remarks

15 November

09:00-10:40: New challenges – part I

Moderators: Maria da Luz Macho-Eiras, MeteoGalia
Tor Atle Gran, Kongsberg Maritime

Ricardo Neta (Composite Solutions)

Development of composite structures for offshore activities

Inés Martin Grandes (Fugro Norway AS)

Novel applications in real-time coastal and ocean monitoring systems

Miguel Terra (DEIMOS):

CoReSyF: Unlocking Our Potential for Coastal Innovation Growth

Kevin Dias (Amberjack Solutions)

Is block chain technology the future?

Maria Fernandes (Qualitas Instruments)

Tsunami detection through HF Radars

10:40-10:50: Mermaid Investments – announcement

10:50-11:20: Coffee break

11:20-12:40: New challenges – part II

Moderators: Emilie Dorgeville, Aanderaa Data Instruments
Alfredo Izquierdo, Universidad de Cádiz-CEIMAR

Xulio Fernandez Hermida (HCTec- Hércules Control)

RAMICA: Exclusive sensor for monitoring the microbiological quality of waters

Francisco Arenas (CIIMAR)

New approaches to explore functional impacts of climate change on our coastal macroalgal-dominated ecosystems

Ana Paula Mucha (CIIMAR)

SpilLess – First-line response to oil spills based on native microorganism cooperation

Catarina Magalhães (CIIMAR)

MarinEye: An autonomous system for integrated marine monitoring

12:40-12:50: Patrícia Borges (Escola Superior de Hotelaria e Tecnologia do Mar de Peniche)

Adding value to fisheries products

12:50-14:20: Valuing fisheries products and light lunch

14:20-17:00: Field demonstrations in the marina

20:00 –Workshop dinner

16 November

09:00-11:00: Observatories – part I

Moderators: Maria Fernandes, Qualitas Instruments
Joaquin del Rio, Universitat Politècnica de Catalunya

Mark Underwood (Commonwealth Scientific and Industrial Research Organization - Oceans and Atmosphere)

Australia's Integrated Marine Observing System (IMOS)

Josh Kohut (Rutgers University)

Frontier Technologies for Integrated Ocean-Atmosphere Observing & Forecasting: Promoting Partnerships for Research, Education, and Service to Society

Maria da Luz Macho-Eiras (MeteoGalicia)

Oceanic observatory for the Iberian shelf (RAIA)

Alfredo Izquierdo (Universidad de Cádiz-CEIMAR)

OCASO: A Cross-Border Initiative for a Coastal Environmental Observatory

Rogério Chumbinho (SmartBay Ireland)

The Galway Bay Underwater Observatory - experiences and opportunities

Vicente Pérez Muñuzuri (University of Santiago de Compostela)

Coastal observatories: their role in supporting research and innovation in Europe

11:00-11:30: Coffee break

11:30-12:10: New challenges – part III

Moderators: Inés Martin Grandes, Fugro Norway AS
Vicente Pérez, University of Santiago de Compostela

Emilie Dorgeville (Aanderaa Data Instruments AS)

Development of a new and cost effective sensor for measuring waves on a wide range of measuring buoys utilizing the latest advances in miniaturized sensors coupled with advanced embedded electronics and software

Cristobal Molina (Nortek AS)

New advances in ADCP's technology

12:10-12:50: Observatories – part II

Moderators: Inés Martin Grandes, Fugro Norway AS
Vicente Pérez, University of Santiago de Compostela

Joaquin del Rio (Universitat Politècnica de Catalunya)

OBSEA, an underwater cabled observatory: on-going projects

Emilie Dorgeville (Aanderaa Data Instruments AS)

Long-term multiparameter observations in the water column of a temperate fjord, University of Gothenburg, Sweden / Aanderaa, Norway

12:50-13:00: Patrícia Borges (Escola Superior de Hotelaria e Tecnologia do Mar de Peniche) **Adding value to fisheries products**

13:00-14:30: Valuing fisheries products and light lunch

14:30-16:10: Observatories – part III

Moderators: Ana Bio, CIIMAR
A. Jorge da Silva, Instituto Hidrográfico

Margarida Hermida (Madeira Oceanographic Observatory)

Oceanic Observatory of Madeira

Pedro Agostinho (Qualitas Instruments)

HF Radar Initiative in Madeira Island: System description, first results and ideas for the future

Josie-Alice Kirby (Plymouth Coastal Observatory, South West Regional Coastal Monitoring Programme, UK)

Coastal Monitoring in the UK: an example from the South West

Paulo Alves da Silva (CESAM & University of Aveiro)

Video monitoring systems as support tools on forecasting extreme coastal events

Diogo Mendes and José Paulo Pinto (Instituto Hidrográfico)

Towards an operational nearshore monitoring system

16:10-16:40: Closing Session