



CONFERENCE PROGRAMME

22nd & 23rd March, 2017

FUNCHAL, MADEIRA – PORTUGAL



3rd European Conference on Scientific Diving

March, 22nd & 23rd, 2017 – Funchal, Madeira – Portugal

Tuesday, March 21st, 2017

REGISTRATION

Quinta Calaça, Clube Naval do Funchal

15:00 – 18:30 Registration/help desk

18:30 Photographic exhibition "Eyes over scientific diving in Madeira"

19:00 – 21:00 "Sunset by the sea" - welcome to the conference participants

Wednesday, March 22nd, 2017

OPENING SESSION

Quinta Calaça, Clube Naval do Funchal

8:30 – 9:00 Registration/help desk,

09:00 – 09:30 Funchal City Hall, CIIMAR-Madeira, Clube Naval do Funchal and Organizing Committee

Note: Only presenting authors are listed below

KEYNOTE SPEAKER SESSION

09:30 – 10:00 Ship to Shore, and Back Again: The Archaeology of Coasts - Ben Ford

ARCHAEOLOGY

Chairperson: **Ben Ford**

10:15 – 10:30 UNESCO World Heritage Site Suomenlinna, 18th century sea fortress at the Baltic Sea as a maritime archaeological study site - **Minna Koivikko**

10:30 – 10:45 Human dispersal from Africa to Arabia, could the answers lie at the bottom of the sea? - **Garry Momber**

10:45 – 11:00 Maritime archaeological research at wreck of an 18th century merchant vessel at Finnish Archipelago. - **Riikka Alvik**

11:00-11:15 (Un)Forgotten wrecks, virtually in context - **Brandon Mason**

11:15 – 11:45 COFFEE BREAK

SCIENTIFIC DIVING

Chairperson: **Pedro Neves**

11:45 – 12:00 SCUBA divers as oceanographic samplers: Can data from dive computers augment aquatic temperature monitoring programmes? - **Martin Sayer**

12:00 – 12:15 Scientific diving in Portugal – past, present and future - **David Jacinto**

12:15 – 12:30 American Academy of Underwater Sciences, a history of safety - **Heather Albright**

12:30 – 12:45 A European competency level applied to the use of the closed circuit rebreather in scientific diving at work. First step. Highlighting the best practice - **Alain Norro**

12:45 – 13:00 Scientific dive centre of CCMAR - **Diogo Paulo**

13:00 – 14:30 LUNCH BREAK

METHODS

Chairperson: **Martin Sayer**

14:30 – 14:45 'How' and 'what' matters: sampling methods affects biodiversity estimates of reef fishes - **Nestor Guerra**

14:45 – 15:00 Fish Census: A simulation model to quantify precision, bias and support sampling design in underwater visual census of fish - **Miguel Pais**

15:00 – 15:15 Toward methodological standards for MSFD monitoring programs of NE Atlantic subtidal rocky reef fish: Performance of underwater visual census and possible need of complementary methods - **Pierre Thiriet**

15:15 – 15:30 Mapping maërl beds using SCUBA and open-source software - **Pedro Neves**

15:30 – 15:45 SIAM- a new method to measure distances under water with high accuracy - **Franz Brümmer**

15:45 – 16:00 Quantifying biologically-driven coral reef carbonate production via high-resolution stereophotogrammetry - **Andrew Mogg**

16:00 – 16:30 COFFEE BREAK

CHEMISTRY, MINERALOGY, MONITORING & METHODS

Chairperson: **João Silva**

16:30 – 16:45 Understanding coral reef acclimatization to ocean acidification at submarine CO₂ seeps, Tutum Bay, Ambitle Island, Papua New Guinea - **Thomas Pichler**

16:45 – 17:00 Gas sampling at the submarine Volcano of Panarea, Italy - **Broder Merkel**

17:00 – 17:15 Free diving and spear fishing: a valuable method for data collection in aquatic biology - **João Barreiros**

17:15 – 17:30 After the coal: Monitoring the hydrological and biological development of an open-cast mining lake with scientific divers and citizen scientists - **Christin Mueller**

17:30 – 17:45 May citizen science effectively support underwater monitoring programs? - **Eva Turicchia**

17:45 – 18:00 BALMAS - Port Baseline Survey Pula and Rijeka - **Andrej Jaklin**

18:00-19:00 POSTER SESSION

MADEIRA TRADITIONS

19:00 – 20:30 Guided visit to Funchal Marine Biology Station **or** Guided visit to Madeira Wine Cellar (4,75 € per person)

Thursday, March 23rd, 2017

KEYNOTE SPEAKER SESSION

09:00 - 09:45 "Diving" into "bucket" marine ecology - Fernando Tuya

ECOLOGY

Chairperson: **Fernando Tuya**

09:45 – 10:00 Benthic community structure of shipwrecks strongly differs from natural rocky reefs along the Portuguese coast - **Matilde Costa**

10:00 – 10:15 Environmental impact of dredging in poole bay, UK - **Ken Collins**

10:30 – 10:45 Active sensing using light? Active photolocation enhances detection of cryptic predators - **Matteo Santon**

10:45 – 11:00 The ecological light niche of a Mediterranean cryptic micro-predator - **Ulrike Harant**

11:00 – 11:30 COFFEE BREAK

ECOLOGY

Chairperson: **Alain Norro**

11:30 – 11:45 Deepening the efficacy of marine ecological monitoring studies - **Maria Salomidi**

11:45 – 12:00 Automatic benthic chambers in coastal environment: towards high frequency measurements - **Vincent Ouisse**

12:00 – 12:15 Exploring the distribution of protected species and hard substrate habitats in the Aegean Sea - **Maria Sini**

12:15 – 12:30 Structural responses of eelgrass beds (*Zostera marina*) to the scraping mooring chain movements intensity in permanent anchorage areas: a new request for eco-mooring - **Frédéric Ysnel**

12:30 – 12:45 Evaluation of the potential generation of sand by the rhodolith beds of the Confital Bay and Las Canteras Beach (Gran Canaria, Canary Islands, Spain) - **Angel Luque**

12:45 – 13:00 Assess the impact of non-indigenous algae (*Asparagopsis taxiformis*) on coral host community: Symbiodinium sp. in New Caledonia house reef - **Paola Parretti**

13:00 – 14:30 LUNCH

ECOLOGY & SCIENTIFIC DIVING

Chairperson: **Cláudia Ribeiro**

14:30 – 14:45 Addressing detectability in underwater visual surveys of benthic species - **Yiannis Issaris**

14:45 – 15:00 Implementing an integrated research approach towards coral reef conservation in the Maldives - **João Monteiro**

15:00 – 15:15 Sponges- one part of the high biodiversity of the Palinurus Coral Reef in the Iraqi part of the Arabian/ Persian Gulf - **Thomas Pohl**

15:15-15:30 Monitoring the effects of heat discharge from a nuclear power plant on the aquatic vegetation in a subarctic enclosed sea area - **Jouni Leinikki**

15:30 – 15:45 Environmental monitoring of a seagrass bed at the south coast of Madeira Island - **Manfred Kaufmann**

15:45 – 16:00 The European scientific diving panel – ESDP - **Martin Sayer**

16:00 – 16:30 COFFEE BREAK

16:30 – 17:30 General discussion and meeting conclusions

17:30 – 18:00 Closing remarks

CLOSING SESSION

17:30 – 18:00 Madeira Regional Government, CIIMAR-Madeira, Clube Naval do Funchal and Organizing Committee

CONFERENCE DINNER

20:00 – Quinta Calaça, Clube Naval do Funchal

Friday, March 24th, 2017

11:15 Hyperbaric Medicine Workshop, Hospital Dr. Nélio Mendonça (registration needed, limited to 28 participants)