

DEVOTES



FINAL CONFERENCE PROGRAMME

MARINE BIODIVERSITY

THE KEY TO HEALTHY AND PRODUCTIVE SEAS

17 - 19 October, 2016

Madou building - European Commission's Directorate-General, BRUSSELS

#DEVOTES4HealthyOceans

www.devotes-project.eu

14:00

OPENING of DEVOTES Final Conference

SALT / Sadio Nor Theatre

14:05

WELCOME to DEVOTES - a Bridge Between Science and Policy

Ángel Borja, AZTI

14:25

KEYNOTE: Marine Biodiversity and the Health of the Oceans

Paul Snelgrove, CHONe

14:55

A NEAT way to Assess Marine Biodiversity

Jacob Carstensen, Aarhus University / Torsten Berg, MariLim

16:00 - 16:30

Intermission

Stretch your legs, recharge with energy, mingle and enjoy yourself

16:30 - 18:05

ROUND TABLE: Ensuring Communication Between Science and Policy

Chair: Matjaz Malgaj, Marine Strategy Coordination Group (DG Environment)

Facilitator: Alice Newton (Norwegian Institute for Air Research)

Participants: Mark Dickey-Collas (International Council for the Exploration of the Seas), Irina Makarenko (The Black Sea Commission), Emily Corcoran (OSPAR), Ana Teresa Caetano (DG Research and Innovation)

18:05

Session Summary

Ángel Borja, AZTI

18:20 - 18:30

Pecha Kucha Performance / practical information

SALT / Sadio Nor Theatre

ACKNOWLEDGMENTS

Throughout the Final Conference programme there will be various educative and entertaining videos and performances. These are tailor made for the conference. All videos are produced by SALT and Warholm Film. All performances are produced and carried out by Sadio Nor Theatre in close cooperation with SALT. The Final Conference will be fully recorded by Redhead productions. All copyrights reserved DEVOTES.

08:30

Welcoming Performance

SALT / Sadio Nor Theatre

08:35

DEVOTES Expectations

Ana Teresa Caetano, DG Research and Innovation

08:45

DEVOTES Scientific Achievements for a Better Marine Assessment

Ángel Borja, AZTI

09:05

KEYNOTE: Assessing Nature's Benefits to Promote Sustainable Use and Conservation Simultaneously

M. Tundi Agardy, The Marine Ecosystem Services Program, Forest Trends

09:35 - 10:40

BLOCK 1

HUMAN PRESSURES - SUBMERGING OUR SEAS / INDICATORS - BEACONS OF DIVERSITY

INTRODUCTION: The MSFD Landscape - did we know what we knew, what we didn't know, and do we know it now?

Chair: Mike Elliott, University of Hull

Keystone species: a species catalogue for European seas

Christopher Smith, Hellenic Centre for Marine Research

Long-term changes in primary production of the North Sea and its trophic effects

Christopher Lynam, Centre for Environment Fisheries and Aquaculture Science

Distribution of skates and sharks in the North Sea: 112 years of change

Christopher Lynam, Centre for Environment Fisheries and Aquaculture Science

The large fish indicator is responsive to trawling pressure, and to reductions thereof

Christopher Lynam, Centre for Environment Fisheries and Aquaculture Science

How to define the environmental targets for indicators of non-indigenous species?

Sergej Olenin, Klaipeda University

10:40 - 11:00

Discussion

11:00 - 11:30

Intermission

Take a break, enjoy a hot cup, mingle and enjoy yourself

11:30 - 12:40

BLOCK 2

INDICATORS - BEACONS OF BIODIVERSITY (continued)

INTRODUCTION: Do we grasp the many facets of marine biodiversity?

Chair: Anna-Stiina Heiskanen, SYKE Finnish Environment Institute

An objective framework to test quality of candidate indicators of good environmental status

Ana Queirós, Plymouth Marine Laboratory

Quantitative criteria for choosing targets and indicators for sustainable use of ecosystems

Laura Uusitalo, SYKE Finnish Environment Institute

Is it possible to define a set of pan-european target values for the assessment of marine benthic communities' status? Preliminary results

Hugues Blanchet, SALT

Biodiversity in marine ecosystems - European developments towards robust assessments

Anna-Stiina Heiskanen, SYKE Finnish Environment Institute

Marine ecological indicators derived from multiple biological traits

Olivier Beauchard, Netherlands Institute for Sea Research

A holistic assessment of plankton diversity under the Marine Strategy Framework Directive

Luis Felipe Artigas, Université du Littoral Côte d'Opale / CNRS

12:40 - 13:00

Discussion

13:00 - 14:00

Lunch

Breathe fully, indulge slowly, mingle and enjoy yourself.

14:00 - 14:55

BLOCK 3:

MODELS - PLOTTING THE COURSE IN UNCHARTED WATERS

INTRODUCTION: Ecological models to support better management and policy implementation

Chair: Christian Wilson, OceanDTM

Uses of innovative modelling tools within the implementation of the marine strategy framework directive

Laura Uusitalo, SYKE Finnish Environment Institute

Towards better capabilities to model marine biodiversity

Letizia Tedesco, SYKE Finnish Environment Institute

Biological connectivity at genetic and community levels

Guillem Chust, AZTI

Top-down and bottom-up control of marine food webs: integrating fishing impacts and temperature change with food web interactions

Christopher Lynam, Centre for Environment Fisheries and Aquaculture Science

How will fisheries management measures contribute towards the attainment of Good Environmental Status for the North Sea ecosystem?

Christopher Lynam, Centre for Environment Fisheries and Aquaculture Science

14:55 - 15:15

Discussion

15:15 - 15:45

Intermission

Stretch fully, loosen your shoulders, mingle and enjoy yourself

15:45 - 17:05

BLOCK 4

MONITORING - TRACKING THE CHANGES OF THE SEAS

INTRODUCTION: Innovative monitoring tools: challenges and perspectives

Chair: Roberto Danovaro, CONISMA

Towards an online monitoring of toxic chemical and biological compounds

Alessandro Porchetta, University of Rome Tor Vergata

Integrated approach for the implementation of the MSFD monitoring of pelagic habitats (phytoplankton), based on the combination of reference and (semi)automated methods

Luis Felipe Artigas, Université du Littoral Côte d'Opale /CNRS

Is planktonic biodiversity monitoring useful for the assessment of environmental status of marine waters?

Isabel Ferrera, The Spanish National Council for Scientific Research

Genetic based marine monitoring: deriving biotic indices from macroinvertebrate and bacterial metabarcoding

Naiara Rodríguez-Ezpeleta, AZTI

Autonomous Reef Monitoring Structures (ARMS):

A standardized approach to monitoring of benthic organism.

John Pearman, King Abdullah University of Science and Technology

Application of Autonomous Reef Monitoring Structures (ARMS) photo analysis to European Regional Seas and the Red Sea

David Romain, The French National Centre for Scientific Research

Comparing community composition from the Red Sea to the Baltic Sea : morphology and metabarcoding

Anne Chenuil, The French National Centre for Scientific Research

Marine habitat mapping: a contribution to understanding the human niche

Christian Wilson, OceanDTM

17:05 - 17:30

Discussion

19:00 - 21:00

CONFERENCE DINNER

DEVOTES Final Conference invites all registered participants to Thon Hotel EU, Rue de la Loi / Wetstraat 75, for a conference buffet dinner. During dinner there will be a less formal DEVOSCARS Award Ceremony. Prepare your acceptance speech - you may be nominated.

08:30

Welcoming Performance

SALT / Sadio Nor Theatre

08:35

KEYNOTE: Building a Bridge Between Science and Policy

Ricardo Serrão Santos, EU Parliament

09:05 - 10:10

BLOCK 5

FAIRWAYS TO GOOD ENVIRONMENTAL STATUS – BENEFITS AND BARRIERS

INTRODUCTION: A general synopsis of barriers to, and benefits of MSFD and GES: is there a comparison to be made with the shipping forecast?

Chair: Melanie Austen, Plymouth Marine Laboratory

Is existing legislation fit-for-purpose to achieve Good Environmental Status in European seas?

Sue Boyes, University of Hull

Covering marine management needs through policy-based research

María C. Uyarra, AZTI

A cost-effectiveness analysis to marine monitoring activity:

An application to case studies in EU regional seas

Arantza Murillas-Maza, AZTI

Effective management measures to achieve MSY are different from current fisheries policies

Adrian Farcas, Centre for Environment Fisheries and Aquaculture Science

Ecosystem services approach for the cost-benefit analysis of implementing management measures: The UK example

Stefanie Broszeit, Plymouth Marine Laboratory

Interdisciplinary cost-benefit analysis to support MSFD: DEVOTES examples

Melanie Austen, Plymouth Marine Laboratory

10:10 - 10:30

Discussion

10:30 - 11:00

Intermission

Breath fully, find your preferred hot cup, mingle and enjoy yourself

11:00 - 12:05

BLOCK 6

INTEGRATIVE ASSESSMENT – FROM SHOALS TO SEAS AND INTO THE FUTURE

INTRODUCTION: From micro- to ecosystem scale: Do we know enough to make decisions?

Chair: Sabine Cochrane, SALT and Jacob Carstensen, Aarhus University

DAPSIWRM as the basis for linking pressures and assessments

Christopher Smith, Hellenic Centre for Marine Research

Can Good Environmental Status (GES) for biodiversity be attained in areas affected by eutrophication?

Jesper Andersen, NIVA Denmark Water Research

Confidence in integrated assessment: quantifying and interpreting uncertainties for decision making

Jacob Carstensen, Aarhus University

Indicator-based assessment of marine biological diversity –lessons from 10 case studies across the European Seas

Laura Uusitalo, SYKE Finnish Environment Institute

Intercalibration results of classification of ecological status: Implications for the joint implementation of the Water and Marine Framework Directives in coastal areas

Fuensanta Salas Herrero, Joint Research Centre-European Commission

How can climate change affect our assessments?

Mike Elliott, University of Hull

12:05 - 12:25

Discussion

12:25 - 12:55

CONCLUDING REMARKS

Ángel Borja, AZTI and Sigi Gruber, DG Research and Innovation

12:55 - 13:00

CLOSURE of DEVOTES Final Conference

SALT / Sadio Nor Theatre

Thank you for attending the DEVOTES Final Conference. We appreciate your contribution to the discussion of MARINE BIODIVERSITY.

DEvelopment Of innovative Tools for understanding marine biodiversity and assessing good Environmental Status, DEVOTES, has produced more than 400 contributions to conferences, more than 160 scientific published papers, the Nested Environmental status Assessment Tool (NEAT) software, and organized four summer schools and 10 workshops. More than 200 scientists have been involved in this exciting project and DEVOTES would like to thank each and every one of you for your commitment.

The EU Commission has funded this project under the 7th Framework Programme, "The Ocean of Tomorrow" Theme (grant agreement no. 308392).

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