



Danish Ministry of the Environment
Nature Agency



International Symposium on Marine Nature Restoration in Northern Europe - restoration of reefs.

11-12 March 2013, Copenhagen

Venue:

Hotel Park Inn by Radisson Copenhagen, Engvej 171, DK-2300 Copenhagen

Transport:

The Metro line (M2): Stop at "Femøren" 2nd stop from the Airport, its next to venue.

Marine biodiversity is under significant pressure in coastal and marine waters around the world. In Europe this has been recognised through numerous science, management and policy initiatives e.g. the Habitats Directive, Birds Directive, Marine Strategy Framework Directive as well as in the up-coming Reform of the Common Fisheries Policy. One key, though under developed, management tool for facing the challenge of halting the loss of marine and coastal biodiversity is the restoration of marine habitats and thus supporting the species depending upon them. Fully functional and well-managed protected habitats, such as cave-forming reefs, play a key role acting as sanctuaries as well as donor sites for areas with lower protection levels.

The symposium will focus on the potential role of marine nature restoration in northern Europe based upon the experience and monitoring results of a number of recent restoration projects.

The symposium aims to bring different stakeholders including national authorities, NGOs and various relevant marine nature restoration initiatives together in order to share experiences and discuss the way forward for the role of marine nature restoration in northern Europe.

The outcome of the symposium will be a review of nature restoration as a tool in management and a list of recommendations and guidelines for future marine nature restoration initiatives. The symposium is supported by the EU LIFE project "Rebuilding of Marine Cavernous Boulder Reefs in Kattegat (Blue Reef)".

Information's about registration, fee and transport are contained in an attached file, or see: www.blureef.dk

Registration at the venue: Monday morning from 8.30-10.



Cavernous Boulder Reef in Kattegat, Denmark. ©Photo: Karsten Dahl

Programme (changes may occur):

Monday at 11th March at 10.00 – 17.30

09 – 10.00	Coffee/tee/breakfast
10.00 - 10.25	<p>Welcome: Helle Pilsgaard. Deputy Director. Danish Nature Agency [5 min] Katherine Richardson, Head of Blue Reef Steering committee, Professor, Department of Biology, Ecology and Evolution, Copenhagen University [15 min]</p>
10.25 – 11.45 Chair: Johnny Reker	<p>Setting the scene: Restoring the biodiversity of the Great Barrier Reef: An important component of ecosystem-based management. Jon Day Director, Planning, Heritage and Sustainable Funding, Great Barrier Reef Marine Park Authority, Australia [35 min]</p> <p>Building the marine N2000 network – towards effective management. Fotios Papoulias, European Commission, DG Environment - Unit B.3 "Nature" Brussels. Belgium [20 min]</p> <p>Connecting the Habitats Directive with the Water Framework Directive using restoration of stone reefs as a supplementary measure to nutrient reductions". Jesper Harbo Andersen, Aarhus University DCE, Denmark [25 min]</p>
11.45 - 12.45	Lunch



12.45 - 14.05	<p>European perspectives on nature restoration: Protection and restoration of Reefs in Northern Europe and EU. Henning Von Nordheim, Germany [35 min]</p> <p>Managing Marine N2000 areas and Reefs. Lars Rudfeld, Danish Nature Agency [15 min]</p> <p>Habitat and Reefs and the Management of fisheries in N2000 areas. Anja Gadgård Boye, The Danish FishAgri Agency [15 min]</p> <p>Constructions at the sea territory, including the restoration of stone reefs. Winnie Vestergård, Head of department, Danish Coastal Authority [15 min]</p>
14.05 -14.30	Coffee/tee
<p>14.30 -16.00 Chair: Helge A Thomsen</p> <p>(16.00 - 16.30)</p>	<p>The Blue Reef project - Introduction and results Goals, planning, timeline and challenges for the Blue Reef project. Else Marie Stamphøj, Danish Nature Agency [15 min]</p> <p>Before construction: Hydrographic Investigations of Baseline and Reef Design, Hanne Kaas and Sanne L. Niemann, DHI-group, Hoersholm, Denmark [15 min]</p> <p>Restoration of benthic communities – what is so far achieved in biomasses and diversity. Karsten Dahl, Aarhus University, DCE, Denmark [15 min]</p> <p>Changes in fish community species and size structure, Claus Stenberg, National Institute for Aquatic Resources, Denmark [15 min]</p> <p>Blue Reef: a foraging site for the fish community? Josianne Støttrup, National Institute for Aquatic Resources, Denmark [15 min]</p> <p>Re-established stony reef attracts harbour porpoises “for a midnight snack”. Lonnie Mikkelsen, Aarhus University, Bioscience, Denmark [15 min]</p> <p>Blue Reef stakeholders</p> <p>Reefs / N2000 and Fisheries. Henrik S. Lund, Danish Fishermen's Association, [15 min]</p> <p>Marine nature restoration in management. Henning Mørk Jørgensen, The Danish Society for Nature Conservation [15 min]</p>
16.30 – 17.30	Short intro to the Blue Reef video, Line Friis Fredriksen, Danish Broadcasting Corporation – And refreshments



	Tuesday 12th March at 09.30 -15.30
09.00-09.30	Coffee/tee/breakfast
09.30 - 10.50 Chair: Karsten Dahl	<p>Nature reserves Lobster reserves in coastal Skagerrak; a field laboratory for science and management. Even Moland, Institute of Marine Research, Norway [20 min]</p> <p>Restorations of biogenic reefs in areas with mussel fishery. Per Dolmer, National Institute for Aquatic Resources, [20 min]</p> <p>Nature restoration and other projects in Northern Europe Restoration of a stone reef by Diver organisations, farmers and the city of Sønderborg, The Municipality of Sønderborg, Bo Mammen Kruse, [20 min]</p> <p>Survival and growth of transplanted fragments of cold Water coral <i>Lophelia pertusa</i> in Swedish waters. Lisbeth Jonsson, University of Gotenburg, Sweden [20 min]</p>
10.50 -11.15	Coffee/tee
11.15 -12.30	<p>Mussel beds in the Dutch Wadden Sea: ephemeral hotspots for biodiversity, Aad Small IMARES, Wageningen University, The Netherlands [20 min]</p> <p>Restoration of biogenic reefs. Case study on mussel reefs in Nørre Fjord, Denmark. Louise D. Kristensen, National Institute for Aquatic Resources [20 min]</p> <p>The Artificial Reef-Nienhagen in the Baltic, the reef design; local behaviour of cod, Biomass and species diversity of invertebrates. Norbert Schulz, Association Fish and Environment Mecklenburg-Western Pomerania, Thomas Mohr, Institute for Fisheries Mecklenburg-Western Pomerania and Stephan Sandrock, Bioplan GmbH, Germany [30 min]</p>
12.30-13.30	Lunch
13.30 -13.50 Chair: Jacob Harrekilde Jensen	What it's all about - biodiversity. Pictures from reefs in Kattegat and the North Sea area - from the MSFD and Habitat monitoring cruises, Jan Nicolaisen, Orbicon [20 min]
13.50 – 14.05	Blue Reef stakeholders- continued Benefit from Blue Reef? A perspective from a small island municipality in Kattegat. Søren Abildtup, Director general, Læsø Municipality [15 min]
14.05 – 15.30 Moderator Josianne Støttrup	The need for a Code of conduct? <i>Discussion with participants and moderators- short intro by</i>



Danish Ministry of the Environment
Nature Agency



and others	<i>a panel With the view to discuss the use of reefs as a management tool in marine nature restoration. And the need for national or international practical code of conduct/ or any supplement to e.g. existing OSPARs guidance 2012-3 for artificial reefs.</i>
15.30 -	Closing: Lisbet Ølgaard. Head of Division, Danish Nature Agency