

Circular Ocean Conference, Ålesund September 1.-2. 2016

Developing a circular economy of fishing nets and ropes (FNRs) in Norway

Program

Thurs Sept 1. Day 1: Status and opportunities to facilitate circular economy of FNRs in Norway

Location: [Scandic Hotel Ålesund](#), Molovegen 6.

Master of ceremonies: Dr. Neil James, project manager Circular Ocean, Environmental Research Institute

Session 1: Challenges and measures

- 11:00 Lunch and registration
- 12:00 **Welcome**, Annik Magerhom Fet – Director, NTNU Sustainability
- 12:10 **Introduction to Circular Ocean**, Neil James – Research scientist – Environmental Research Institute (Scotland)
- 12:30 **Measures to mitigate marine plastic waste**, Erlend Standal – Senior Advisor – Norwegian Environment Agency
- 13:00 **How can authorities facilitate a circular economy based on FNRs?** Lise Langård – Advisor – Directorate of Fisheries
- 13:40 Break and NPA culinary experience

Session 2: Recycling of fishnets

- 14:00 **Are fishnets made for recycling?** Bente Lund Jakobsen – Director – Mørenot Aquaculture AS
- 14:30 **Recyclability of collected fish-nets and ropes**, Nils-Roar Hareide – Director – Runde Miljøsentner
- 15:00 **Bringing value to marine waste – experiences from fishnet recycling in Norway**, Øistein Aleksandersen – CEO – Nofir
- 15:30 Break

Session 3: Combating marine plastic waste

- 15:40 **A global, cross-sectoral approach to tackling lost and discarded fishing gear**, Christina Dixon – Global Ghost Gear Initiative (England).
- 16:10 **World Café**, discussions (roundtable and plenary) with tapas
- 17:00 End of day 1
- 20:00 **Dinner and social gathering at [Teaterfabrikken](#)**. *Please meet up in the reception area at 19.40 if you wish to join the group walking to the restaurant.*



Fri Sept 2. Day 2: Innovation and implementation of FNR recycling and reuse

Location: NTNU Ålesund, [Brosundet Auditorium](#), 1st floor in main building. Bus from Scandic Hotel

Master of ceremonies: Sunniva Bratt Slette, Research Scientist, NTNU Sustainability

Session 1: Tools and solutions

08:30 *Departure from Scandic Ålesund by bus for participants staying at the hotel – please meet up precisely outside the main entrance. You can bring your luggage on the bus.*

09:00 **Welcome**, by NTNU

09:05 **Tools for keeping the Norwegian coastline and waters clean**, Kirsti Slotsvik – Director General – The Norwegian Coastal Administration

09:25 **Products, practices and systems for repurposing fishnets**, Martin Charter – Professor – Centre for Sustainable Design, University for the Creative Arts (England)

09:45 Break

Session 2: Reuse and recycling

10:00 **Reusing fishnets for building materials**, Ida Bertelsen – PhD candidate – ARTEK (Denmark)

10:30 **New technology for fishnet recycling**, Hans Axel Kristensen – CEO – Plastix Global (Denmark)

11:05 **Product opportunities of recycled plastic waste**, Runar Stenerud – Project Manager – PLASTO AS

11:25 Break

Session 3: Business opportunities in a circular economy

11:30 **An innovative business model for marine litter in Europe**, Veronika Mikos – Healthy Seas (Netherlands)

12:05 **Circular economy business opportunities**, Jan Børre Rydningen – Special Advisor – Innovation Norway

12:30 Lunch and departure to Mørenot Aquaculture. *Bus leaves from NTNU Ålesund at 12.30. You can bring your luggage on the bus.*

Ca 15:40 Arrival at Moa bus station where you can take a [bus](#) or cab to the airport. There is a bus departing from Moa at 16.00 that arrives at Vigra airport at 16:50.



Conference speakers

Annik Magerholm Fet is the director and academic head of NTNU's strategic research area Sustainability (2014-2023). She is a professor of environmental management, systems engineering and life-cycle analysis at the Department of industrial economics and technology management (IØT), NTNU in Trondheim. She is head of several national and international research projects in global production, and environmental and corporate social responsibility (CSR). Annik is leading work package 5 in the Circular Ocean project.



Neil James is a research scientist at the Environmental Research Institute in Thurso, Scotland. He has a PhD in marine ecology and zoology from University of Liverpool & British Antarctic Survey and has been working with projects on environmental contamination, sustainable resource use and circular economies in remote and rural regions. Neil is the project coordinator for Circular Ocean.

Erlend Standal is a marine biologist and senior advisor for the Norwegian Environment Agency. He works with ecosystems, marine safeguarding, sustainable fishing, marine waste management and ocean environments. As the leader of the biodiversity committee, he has extensive insight in the real world challenges facing marine ecosystems. He has previously worked as an advisor at the Norwegian Directorate of Fisheries and currently represents Norway in OSPAR, as delegation leader to the Biodiversity committee and ICG-ML (working group on marine litter)



Lise Langård is an advisor in the Norwegian Directorate of Fisheries. She has a PhD from the Institute of Marine Research at the University of Bergen, Norway. She currently works with retrieval of lost fishing gear, marine litter and microplastics. Current projects encompass technical developments to reduce the risk of ghost fishing in lost pots and degradable materials in gillnets. The Directorate of Fisheries has been retrieving lost fishing gear since the 1980s and has since then removed over 19 000 gillnets from the ocean.

Bente Lund Jacobsen is CEO in Mørenot Aquaculture and head of the 12 companies in the Mørenot group working in the Aquaculture segment. Bente Lund Jacobsen has a previous background in the financial industry, recruitment industry and the oil & gas sector. She was engaged as CEO for Mørenot Aquaculture in 2012 and holds 16 positions in various Boards, most of them related to the aquaculture industry.





Nils-Roar Hareide is a research scientist and managing director at Runde Environmental Centre. He has a background in biology and ocean sciences and has been engaged in fishnet retrieval, recycling and reuse for almost two decades. He has worked nationally and internationally to help facilitate collaboration on collection, recycling and reuse of fishnets. In 2008, he received the environmental award from the Norwegian Directorate of Fisheries for his efforts and research in this field.

Øistein Aleksandersen is CEO of Nofir AS. He has a background in business with a main profile in circular economy and Buddhist economics. He established Nofir in 2008 and has since then been working to collect and recycle plastics and other materials from fishing gear in Norway and European countries. Nofir was distinguished as a gazelle company in 2015 due to its rapid growth in revenues.



Christina Dixon is a campaign manager at World Animal Protection and coordinates the global solutions working group in the Global Ghost Gear Initiative (GGGI), looking at ways to catalyse and replicate successful projects for dealing with ghost gear through innovation, recycling, gear modification and education. Her background is in animal welfare and political communications.

Sunniva Bratt Slette is a research scientist at NTNU Sustainability, and wrote her Master's thesis on financing the transition to a green economy. She has previously led the environmental profile of the World Championship in orienteering and the World Cup in Biathlon, and has worked as market coordinator for Electric Vehicles in Trondheim through Carpoint Norge AS.



Kirsti Slotsvik is Director General of the Norwegian Coastal Administration. Previously she was Traffic Manager for the Norwegian State Highways Authority, Statens Vegvesen Region Midt. She is a council member of the International Association of Marine Aids to Navigation and Lighthouse Authorities, national member of the European Maritime Safety Agency and a member of the administrative board for the Norwegian Space Centre.

Martin Charter is the Founding Director of The Centre for Sustainable Design[®] at the University for the Creative Arts (UCA). He has worked as a manager, trainer and facilitator on sustainable innovation and product sustainability for over 25 years in academia, business and consultancy. He is a regular speaker in conferences worldwide, and has experience in a wide range of topics related to sustainable business with particular expertise in sustainable innovation and product sustainability.





Ida M. G. Bertelsen is a PhD candidate in the Circular Ocean project at the Technical University of Denmark (DTU) and Arctic Technology Centre - ARTEK in Greenland, Department of Civil Engineering. She examines how marine plastic waste materials, especially broken and discarded fishing nets, can be reused in building materials.

Hans Axel Kristensen has been the CEO of Plastix Global since the establishment of the company. Hans holds a Master in Law from the University of Copenhagen, and has in the last decades completed a range of development and executive management programs. He has previously held various executive management positions in listed international companies such as Scandic Hotels, Dell and Carlsberg.



Runar Stenerud is the project manager in Plasto AS. Plasto AS has become one of the leaders in the injection molding industry in Norway and was one of three finalists in «Norway's smartest industrial company 2016». Stenerud has represented Plasto in several projects of high strategic importance, amongst other Fibercomp, MegaMould and SISVI. He also has experience from a broad range of companies, including 3D solution, TrønderEnergi and Telenor.

Veronika Mikos is project coordinator at the Healthy Seas initiative. Healthy Seas collects waste fishing nets with the help of divers and fishermen to create healthier seas and recycle marine litter into new textile products. Veronika has a background in economy and has 10 years of experience in managing large international projects related to nature conservation. Currently she is also working for the ECNC - European Centre for Nature Conservation.



Jan Børre Rydningen is head of department at Innovation Norway, and has been responsible for the Entrepreneurship department in Møre og Rosmdal. Previously he has been the managing director for Norut IT and vice president within sales and marketing for Kongsberg Spacetec AS.



Contact details, conference coordinators

Sunniva Bratt Slette

Research Scientist
Department of Industrial Economics and Technology Management
Norwegian University of Science and Technology (NTNU)
Tel: +47 922 53 676
sunniva.slette@ntnu.no

Dina Margrethe Aspen

Research Scientist
Department of Industrial Economics and Technology Management
Norwegian University of Science and Technology (NTNU)
tel: +47 924 16 580
dina.margrethe.aspen@iot.ntnu.no

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