

Ocean Outlook 2019

Program May 8-10

Observation technologies for sustainable use of Ocean & Coastal Ecosystems – The Action Zone

Wednesday 8 May

0900 – 1700 Microplastic workshop for students to be held at IMR, Nordnes

Organizers: *Bjørn Einar Grøsvik and Tanja Kögel (Institute of Marine Research), Marte Haave and Alessio Gomiero (Norwegian research Center AS), Scott Gallagher and Mark Hahn (Woods Hole Oceanographic Institution)*

Program at <https://oceanoutlook2019.hi.no/>

1800-2100 Ice-breaker and poster presentation in Aulaen, Natural Museum, University of Bergen.

Participants from OO19 meeting, OO19 microplastic workshop and NOAA/IMR eDNA workshop

1800-1810 IMR director *Sissel Rogne*

1810-1830 eDNA, unmanned vehicles, and ship-based acoustic-trawl surveys: plans for the U.S. west coast 2019 Pacific hake survey - *Cisco Werner, NOAA*

Thursday 9 May (Aulaen, Natural Museum)

0830 – 0900 Coffee and fruit

Chair: Geir Huse

0900 – 0910 UoB rector *Dag Rune Olsen*

0910 – 0930 Setting the stage – The changing ocean, *Tore Furevik, Bjerknes Centre for Climate Research*

0930 – 0950 The need for integrated observations and modelling systems – *Geir Lasse Taranger, IMR*

0950 – 1010 Coastal and ocean observations observation platforms and systems. *Paul Matthias, WHOI*

1010 – 1030 Health break

1030 – 1045 Coastwatch – the Norwegian coastal observing system, *Frode Vikebø, IMR*

1045 – 1200 Round table discussions, Ocean and coastal observations systems and models

1200 – 1300 Lunch

Chair: John Stegeman

- 1300 – 1315 Chemical warfare in the aquatic environment; the chemical defense networks of fish model species. *Marta Eide, UoB*
- 1315 – 1330 Application of DNA based methods for ocean biodiversity assessment *Annette Govindarajan, WHOI*
- 1330 – 1410 Round table discussions

Chair: Jon Howland

- 1410 – 1425 The WHOI Ocean Twilight Zone Project to understand the Mesopelagic structure and dynamics. *Peter Wiebe, WHOI*
- 1425 – 1440 Light and the ecology of mesopelagic fish at high latitudes. *Tom Langbehn, UoB*
- 1440 – 1500 Health break
- 1500 – 1540 Round table discussions – mesopelagic ecosystems
- 1540 – 1555 Environmental microplastic quantification and effect studies don't match – methodological possibilities and challenges. *Tanja Kögel, IMR*
- 1555 – 1610 Monitoring micro-plastic on ferry boxes world-wide on commercial ships. *Tonny Algrøy, Kongsberg Maritime*
- 1610 – 1655 Round table discussions – Microplastic
- 1655 – 1705 Beyond student mobility - *Unni Sagberg - DIKU*
- 1705 – 1720 Summing up day one and plans for day two. *Geir Lasse Taranger, IMR*
- 1730 – 1830 Walk up to Fløyen/or take the Funicular to Fløyen
- 1900 – 2200 Conference dinner at Fløyen restaurant

Friday 10 May (IMR, Nordnes)

0900 – 1200 **Parallel breakout sessions on the future:**

- Ocean and coastal observations and modelling. *Chair: Johnny Johannesen, NERSC*
Rapporteur: Ailin Brakstad, UoB
- DNA based monitoring methods. *Chair: Mark Strom, NOAA, Rapporteur: Per Arneberg, IMR. Introduction by John Stegeman, WHOI*
- Microplastic. *Chair: Tanja Kögel, IMR. Rapporteur: Bjørn Einar Grøsvik, IMR. Introduction by Jim Churchill. Talk by Ketil Andersen. Student conclusion from the course.*
- Mesopelagic ecosystems. *Chair: Peter Wiebe, WHOI. Rapporteur: Tom Langbehn, UoB*

1215 – 1300 Lunch for all participants at IMR main building

1300 – 1440 Plenary session with presentations from each of the breakout groups

1440 – 1500 Closing and announcement for Ocean Outlook 2020 – *John Stegeman, WHOI*