



Programme for the Danish Marine Science Meeting 2024

Time	TUESDAY 23 JANUARY		
9:00-10:00	Registration and coffee		
10:00-11:00	Official opening: Chair Karen Edelvang (DTU Aqua)		
10:00-10:15	Welcome to Havforskermøde – Karen Edelvang (DTU Aqua)		
10:15-10:30	Welcome speech – Fritz Köster, Director (DTU Aqua)		
10:30-11:00	Keynote 1: Stiig Markager (AU) “Eutrophication in Danish coastal marine systems; past, current status and research gaps” (Auditorium 81) Chair: Karen Edelvang		
11:00-11:20	Coffee and room changes		
Sessions	Ocean Observation technologies Chair: <i>Patrizio Mariani (DTU Aqua)</i> (Auditorium 81)	Multiple pressures Chairs: <i>Jacob Carstensen (AU Ecos), Jesper Andersen (Niva DK)</i> (Auditorium 82)	Operational oceanography Chair: <i>Jun She (DMI)</i> (Auditorium 83)
	Duration of presentations 20 min	Duration of presentations 20 min	Duration of presentations 15 min
11:20-13:00	Study processes at the seafloor with autonomous landers: methods & applications <i>Anders Tengberg (Uni. Goth.)</i>	Modeling multiple pressures in marine ecosystems: state of the art and future directions <i>Andy Stock (NIVA,DK)</i>	The Copernicus Marine Service and the Baltic Sea model products <i>V. Huess (DMI)</i>
	A multi-spectral confocal high-resolution LIDAR for in-vivo underwater classification of zooplankton and microplastics <i>Joachim Santos (DTU Elektro)</i>	Variable lyskrav for vækst af ålegræs under multiple stressorer <i>Timi L. Banke (SDU)</i>	On the evidence of the impact of offshore wind farms on wave climate: a case study in the Baltic Sea <i>Natacha Fery (Vattenfall)</i>
	Can you shed new light on the murkiness of optically complex Danish water from space? <i>Sanjina U. Stæhr (AU Ecos)</i>	Stability of subtidal blue mussel beds in eutrophic coastal areas <i>Isabelle Johansson (DTU-Aqua)</i>	Near coastal ocean, ice and sea ice information for the Greenlandic waters <i>Till Soya Rasmussen (DMI)</i>
	Integrating Ocean Technology and Ecology: Advanced Monitoring of Danish Waters for	Hvad regulerer iltsvinds udbredelse og intensitet? <i>Jens Würzler Hansen (AU)</i>	High resolution modelling of Godthåbsfjord <i>Johan Söderqvist (GeoMETOC)</i>

	Sustainable Blue Economy and Environmental Protection <i>Patrizio Mariani (DTU Aqua)</i>		
	Monitoring phytoplankton dynamics in Nuup Kangerlua with ocean color remote sensing <i>Rafael Goncalves-Araujo (DTU Aqua)</i>	Multiple pressures and their effects in danish waters: from mapping to analyses <i>Andersen, J.H. (NIVA,DK)</i>	From operational oceanography to digital oceanography – a modelling perspective <i>Jun She (DMI)</i>
			Marine Hedeølger omkring Danmark – fortiden, nutiden, fremtiden <i>Mark R. Payne (DMI)</i>
			Assessing the wave set-up contribution to coastal sea-level rise impact: A climate projection study for Denmark <i>Jian Su (DMI)</i>
13:00-14:00	Lunch		
14:00-14:30	Keynote 2: Per Sørensen (Kystdirektoratet) “Storm surges can be devastating - is that why we forget them?” (Auditorium 81) Chair: Karen Edelvang		
Sessions	Biodiversity monitoring including eDNA Chairs: Lars Magnus W. Jacobsen & Jon S. Svendsen (DTU Aqua) (Auditorium 81)	Miljøfarlige stoffer Chair: Sinja Rist (DTU Aqua) & Henriette Selck (Tnk. Hav) (Auditorium 82)	Fisheries technology Chair: Mads Christoffersen (Tnk. Hav) (Auditorium 83)
	Duration of presentation 15 min	Duration of presentation 20 min	Duration of presentation 20 min
	Bringing data from the North Sea back to life: Ecosystem-based analytics to assess the changes in biodiversity of an ecosystem <i>Lars O. Mortensen (DHI)</i>	Mixing zones – the regulatory dilution solution to pollution – environmental implications <i>Henriette Selck (Tænketanken. Hav)</i>	Assessing fisheries of shore crab (<i>Carcinus maenas</i>) as mitigation measure to support the restoration of benthic ecosystems in temperate waters <i>Paula Canal-Verges (SDU Bi)</i>
14:30-16:15	Camera based documentation of biodiversity improvements in harbors <i>Maria Moltesen (DTU Aqua)</i>	Skagerrak som et akkumuleringsområde for marint affald <i>Jakob Strand (AU Ecos)</i>	Autofisk: Automatiseret monitoring af torskefangsten fra fiskefartøjer <i>Stefan H. Bengtson (AAU IAM)</i>

	Biotic and abiotic factors of foundation water replenishment holes in offshores wind farm Hollandse Kust Zuid <i>Frank Jacobs (Rich NS)</i>	PFAS i det danske havmiljø <i>Martin M. Larsen (AU Ecos)</i>	Catch welfare in commercial fisheries <i>Mike Breen (IMR)</i>
	The core of the matter – Importance of identification method and biological replication for sediment based-monitoring <i>Sune Agersnap (AU Bi / NIRAS)</i>	Determining ecotoxicity drivers and biodegradation kinetics of discharged chemicals in produced water from oil and gas extraction in the North Sea <i>Lars Skjolding (DTU Sustain)</i>	Humane slaughter in pelagic fishery Claus R. Sparrevohn (DPPO) & Nikolaj Lindeborgh (<i>Dyr. Beskyt</i>)
	Environmental DNA sampling comparison for biodiversity detection of otherwise elusive communities <i>Ole B. Brodnicke (KU / DHI)</i>	Ecotoxicity testing for regulatory use <i>Amalie T. B. Jensen (DHI)</i>	Udvikling af skånsomme og effektive fiskeredskaber <i>Rikke P. Frandsen (DTU Aqua)</i>
	Using quantitative Polymerase Chain Reaction and digital droplet Polymerase Chain Reaction for detection of environmental DNA from nonindigenous marine species <i>Steen Wilhelm Knudsen (NIVA /SNM)</i>		Reduktion af miljøpåvirkninger fra erhvervsfiskeri med bundsløbende redskaber – anbefalinger fra Tænketanken Hav <i>Mads Christoffersen og Mathilde Højrup (Tnk. Hav)</i>
16:15-17:45	Refreshments and Poster session		
18:00-20:00	Dinner with street food at DTU		

Time	WEDNESDAY 24 JANUARY		
9:00–9:15	Today's programme – DTU Aqua organisers		
9:15-10:00	Keynote 3: Katherine Richardson (KU Globe) “The North Atlantic in transition” (Auditorium 81) Chair: Karen Edelvang (DTU Aqua)		
10:00-10:20	Coffee and room changes		
Sessions	Modelling of marine environments Chair: <i>Anders Erichsen (DHI) and Henrik Andersson (DHI)</i> (Auditorium 81)	Monitoring of fish stocks Chairs: <i>Anja Retzel (GN), Marie Storr-Paulsen & Karin Hüssey (DTU Aqua)</i> (Auditorium 82)	Marine research funding and strategies Chairs: <i>Christian Riisager-Simonsen (DTU Aqua) & Steffen Olsen (DMI)</i> (Auditorium 83)
10:20-12:00	Duration of presentations 20 min	Duration of presentations 15 min	Duration of presentations 20 min
	Modeling impact of blue mussel mitigation farms in coastal ecosystems. Skive Fjord, Denmark, an example <i>Tobias. K. Andersen (DTU Aqua)</i>	Rådgivning for torsk i Grønland baseret på genetik <i>Anja Rentzel (GN)</i>	Den danske, grønlandske og færøske komité for FN's Tiår for havet <i>Adrian Lema (DMI)</i>
	Anvendelsesmuligheders af en landsdækkende ålegræsmodel <i>Cordula Göke (AU Ecos)</i>	Arktiske ekkoer <i>Teunis Jansen (DTU Aqua)</i>	EU Mission Ocean og den danske Mission HUB <i>Niels Gøtke (UFS)</i>
	Dispersal pathways of non-indigenous in the Wadden Sea; a model study <i>Vibe Schourup-Kristensen (AU Ecos)</i>	Time-space documentation of recovery/expansion of summer feeding habitat in the Northeast Atlantic by Bluefin tuna based on observations from multiple sources <i>Brian R. MacKenzie (DTU Aqua)</i>	Dansk Center for Havforsknings finansieringsmuligheder <i>Colin Stedmon (DCH)</i>
	Integreret Fjord- og oplandsmodellering, Ringkøbing Fjord og opland <i>Flemming Gertz (SEGES)</i>	Danish historical fisheries data <i>Jasmin Ann-Christine Thomassen</i>	
	Measurements of photo inhibition and modelling its impact on primary productivity in the North Sea and North Atlantic <i>Line Dam Jensen (KU Globe)</i>	Ocean-climate conditions and spawner biomass affect the survival of blue whiting early-life history stages <i>Costanza Cappelli (DTU Aqua)</i>	
		PIT-mærkning afslører tobisens rumlige livshistorie-parametre <i>Hans J. Olesen (DTU Aqua)</i>	

12:00-13:00	Lunch		
13:00-13:30	Key note 4: Henrik Gislason (DTU Aqua) Trawls påvirkning af havbundens biodiversitet (Auditorium 81) Chair: Karen Edelvang (DTU Aqua)		
13:30-13:40	Room changes		
Sessions	Marine birds and mammals Chairs: <i>Niels Jepsen (DTU Aqua), Kirstin A. Hansen (SDU)</i> (Auditorium 81)	Blue carbon accounting Chairs: <i>Signe Høgslund, Christian Lønborg (AU Ecos)</i> (Auditorium 82)	Jammerbugt – et naturligt observatorium Chair: <i>Verner B. Ernstsén (GEUS) og Grete E. Dinesen (DTU Aqua)</i> (Auditorium 83)
13:40-15:20	Duration of presentation 20 min Predator-prey interactions between fish, mammals and birds in an environment subjected to heavy human influence <i>Martin L. Kristensen (NIRAS)</i>	Duration of presentation 20 min Drivhusgasser i kystnære vådområder - case study Gyldensteen Strand <i>Erik Kristensen (SDU Bi)</i>	Duration of presentation 15 min Carbon Capture and Storage in the Jammerbugt subsurface: Investigating the deep geology offshore NW Jutland and its potential for CO ₂ storage <i>Michael B. W. Fyhn (GEUS)</i>
	Seabirds and offshore wind farms – advancing the understanding of collision risk <i>Jesper K. Larsen</i>	Spatial modeling of soil organic carbon stocks and accumulation rates in Danish eelgrass meadows <i>Dorte Krause-Jensen (AU Ecos)</i>	En geologisk model for Jammerbugten baseret på multiprojekt data <i>Niels Nørgaard-Pedersen (GEUS)</i>
	The acoustic sensory ecology of diving Alcid seabirds and potential noise impacts <i>Adam Smith (SDU Bi)</i>	Blue Carbon in Danish saltmarsh soils: medium organic carbon stocks, low sequestration rates and associated drivers <i>Carmen Leiva Dueñas (AU Ecos)</i>	Havbundens morfologi og habitater i Jammerbugt: Diversitet og dynamik <i>Mikkel S. Andersen (GEUS)</i>
	Cormorant predation – a potential threat to coastal fish populations <i>Niels Jepsen (DTU Aqua)</i>	Carbon mineralization and greenhouse gas dynamics of an eelgrass meadow in Dalby Bay Denmark: Implications for blue carbon assessments <i>Gry Overvad Frederiksberg (SDU Bi)</i>	Testing and comparing biological seabed indicators in response to bottom trawling in the Jammer Bay <i>Esther D. Beukhof (DTU Aqua)</i>
	Far reaching effects on harbour porpoises to ship presence and pile driving of a new oil and gas platform in the North Sea <i>Jonas Teilmann (AU Ecos)</i>	Impacts of physical disturbance on sediment organic matter reactivity: an experimental approach <i>Christian Lønborg (AU Ecos)</i>	Spring af spor efter fiskeri og spor af liv i sporene <i>Niels Madsen (AAU IKB)</i>
			Computer vision og kunstig intelligens under overfladen i Jammerbugt <i>Malte Pedersen (AAU IAM)</i>

15:20-15:50	Coffee and room changes		
Sessions	Maritime activities and Arctic Chairs: <i>Marja Koski (DTU Aqua), Janne Fritt-Rasmussen (AU Ecos)</i> (Auditorium 81)	Marine thesis cup Marinbiologisk Selskab v. Matilde Sort m.fl. (Auditorium 82)	Exploring the untapped potential of aquaculture Chair: <i>Annette Bruhn (AU Ecos)</i> (Auditorium 83)
15:50-17:30	Duration of presentation 15 min	Duration of presentation 5 min	Duration of presentation 20 min
	Identifying drivers of phytoplankton diversity and communities in Arctic fjords – from time series modelling to experiments <i>Tobias R. Vonnahme (GINR)</i>	<i>Selection of presentations in progress</i>	Organic live feed cultures for marine fish hatcheries <i>Per M. Jepsen (RUC)</i>
	Marine biological hotspots along the continental slopes between Greenland and Canada <i>Thomas Juul-Pedersen (GINR)</i>		Multi-use platforms combining offshore wind farms with low-trophic aquaculture show great potential to support the global sustainability goals <i>Marie Maar (AU Ecos)</i>
	A floats journey in a Greenland fjord <i>Lorenz Meire (GINR)</i>		Cultivation of sugar kelp in Danish waters – best available technology, challenges and opportunities <i>Teis Boderskov (AU Ecos)</i>
	Cumulative impacts of climate change and oil pollution on Arctic copepods <i>Sinja Rist (DTU Aqua)</i>		Monitoring in aquaculture is win-win-win-win <i>Anders Tengbjerg (Uni. Goth)</i>
	Forsøg på reducere af bifangst i det grønlandske stenbiderfiskeri <i>Søren L. Post (GINR)</i>		Ready, set, grow! - Species selection of local Danish green tide algae for land based integrated multi-trophic recirculated aquaculture systems (IMRAS) <i>Kristoffer Larsen-Ledet (AU Ecos)</i>
	Wet wipes discharged by wastewater as a contribution to plastic pollution in the Arctic <i>Lis Bach (AU Ecos)</i>		
17:30-18:00	Go to dinner		
18:00-23.00	Dinner		

Time	THURSDAY 25 JANUARY		
9:00–9:15	Today's programme – DTU Aqua organisers		
9:15-10:00	Keynote 5: Henrieka Detlef (AU) Sea-ice dynamics north of Greenland and in the Labrador Sea since the last glacial (Auditorium 81) Chair: Karen Edelvang (DTU Aqua)		
10:00-10:20	Coffee and room changes		
Sessions	Science to support marine spatial planning in Denmark Chairs: Ditte Mandøe Andresen (Tænketanken Hav), Thomas K. Sørensen (WWF) (Auditorium 81)	Marine tools for nature restoration Chairs: Karen Timmerman (DTU Aqua) & Mogens Flindt (SDU Bi) (Auditorium 82)	Marine geoscience 1 Chairs: Christof Pearce (AU) & Paul Knutz (GEUS) (Auditorium 83)
10:20-12:00	Duration of presentation 20 min Et samlet dansk datagrundlag til en økosystembaseret tilgang til havplanlægning <i>Søren Laurentius Nielsen og Ditte Mandøe Andreassen (Tænketanken Hav)</i>	Duration of presentation 20 min Næringsstoffreduktioner -en forudsætning for marin naturgenopretning <i>Anders Erichsen (DHI) & Karen Timmerman (DTU Aqua)</i>	Duration of presentation 2 min <i>See dedicated program below, with short 2-minute presentations followed by poster session.</i>
	Marin habitatkortlægning i Østersøen 2022-2023 <i>Lars Ø. Hansen & Verner B. Ernstsens (GEUS)</i>	Etablering af biogene rev, Hvorfor og hvordan gøres det? <i>Pernille Nielsen (DTU Aqua)</i>	
	Miljøkortlægning af havvindspotentialet og vurdering af kumulative effekter <i>Eva Friis Møller (AU)</i>	Site selection of areas with potential for eelgrass transplantation in Denmark <i>Paula Canal-Vergés (SDU Bi)</i>	
	Danmarks fremtidige havmiljø – klimadata til brug for planlægningen på havet <i>Mark R. Payne (DMI)</i>	Kolonisering af bentisk infauna efter udlægning af sand cap i Gyldensteen kystlagune <i>Katrine Grønbæk Ahlmann (SDU Bi)</i>	
		Historisk analyse af stenrev, stenfiskeri og dybdeforhold <i>Cordula Göke (AU)</i>	
12:00-13:00	Lunch		
13:00-13:10	Room changes		

<p>Sessions</p>	<p>Coexistence between offshore energy sector and the marine environment – the need for research, multisector collaboration, and knowledge dissemination Chairs: <i>Liselotte Hohwy Stokholm (Tnk. Hav), Katrina Povidisa-Delefosse (Total Energ.), Matthieu Povidis-Delefosse (Vattenfall)</i> (Auditorium 81)</p>	<p>Communication of marine science Chairs: <i>Marianne H. Rasmussen (Husavik Res.), Kristina Ydesen (Nordsø Ak.)</i> (Auditorium 82)</p>	<p>Marine geoscience 2 Chairs: <i>Christof Pearce (AU) & Paul Knutz (GEUS)</i> (Auditorium 83)</p>
<p>13:10-15:20</p>	<p>Duration of presentation 20 min Upscaling offshore activities in denmark – the urgent need for data, research, and mitigation <i>Liselotte Hohwy Stokholm (Tnk. Hav)</i> Shared experience from collaborative long-term offshore monitoring in Belgium: WinMon.BE <i>Steven Degraer (RoBINS,Belgium)</i> Shared experience from collaborative long-term offshore monitoring in the UK: INSITE <i>Dr Henk van Rein (Howell marine consulting)</i></p>	<p>Duration of presentation 20 min Charting a course for ocean literacy in the Ocean Decade <i>Bridget Burger (Cap Cod Com. Col)</i> Arctic sense: Using visual virtual reality in marine education <i>Marianne Rasmussen (Uni Ice. Hus. Res.)</i> Local distribution and breeding timing of harbour porpoises (<i>Phocoena phocoena</i>) determined with citizen science <i>Freja Jakobsen (SDU)</i></p>	<p><i>Discussions on research themes, infrastructure, proposals etc.</i></p>
<p>15:20-15:50</p>	<p>Coffee and room changes</p>		
<p>15:50-16:15</p>	<p>Thank you for now, awards, next meeting – DTU Aqua organizers</p>		



Dedicated programme for Marine Geoscience Session 1 with 4 minute short presentations Thursday 25. January

Gorm Wendelboe (Teledyne)	Seabed sediment grain size estimation by application of remote sensing: A simple geo-acoustic inversion method used for multibeam echosounder
Thomas Vangkilde-Pedersen (GEUS)	Geological screening for offshore wind farms in Danish waters
Freja Nielsen (IGN-KU)	Landslide deposits in Karrat Fjord, West Greenland
Marit-Solveig Seidenkrantz (AU)	Deglacial retreat patterns and dynamics of the Norske Trough ice stream, NE Greenland
Sunny Singhroha (GEUS)	Seismic imaging of shallow marine sediments offshore Denmark using ultra-high resolution multi-channel seismic data
Thomas Funck (GEUS)	Crustal scale seismic studies in the Arctic with ocean bottom seismometers – taking advantage of declining sea-ice
Mads Ramsgaard Stoltenberg (AU)	Time transgressive response of benthic foraminifera to the deglaciation of the Northeast Greenland shelf
Christoph Böttner (AU)	Fluid flow and natural geologic seepage offshore northeast Greenland
Mia Nørholm (IGN KU)	Reconstructing Pliocene bathymetry in Baffin Bay through flexural backstripping
Lara Perez (GEUS)	Landslides in a changing climate: Geohazards and benthic habitats in west Greenland
Bodil Wesenberg Lauridse (GEUS)	SEEP ecology – a multiproxy approach to establish a seabed ecological baseline in the North Sea prior to human activities in the subsurface
Anna Bang Kvorning (GEUS/KU Globe)	Holocene regime shifts in Southwest Greenland linked to Atlantic Water influence and ice sheet dynamics
Lis Allaart (GEUS)	North Sea tunnel valleys – architecture, genesis, and prediction (NOARG)
Jørgen Bendtsen (KU Globe)	Using glacial rock flour for marine carbon dioxide removal: Studies from Kangerlussuaq Fjord
Katrine Juul Andresen (AU)	Doggerland's changing landscapes – late glacial to early Holocene geo-archaeology
Thorbjørn Andersen (IGN KU)	Particle aggregation and sedimentation in a high Arctic Fjord, NE Greenland
Cecilia Nielsen (AU)	Salt tectonism with implications for CCS
John Hopper (GEUS)	New multibeam mapping data from Ammassalik Basin, SE Greenland: A tale of glacial landforms influenced by variable basement lithologies
Christof Pearce (AU)	Marine diatom assemblages in Arctic paleoceanography – qualitative and quantitative approaches
Paul Knutz (GEUS)	Icesheet evolution in Baffin Bay: Preliminary results from IODP Exp 400

Poster Sessions

23 January 2024 at 16:15- 17:45

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Sessions	Ocean Observation technologies	Multiple pressures	Operational oceanography
	In-situ analysis of nitrogen in coastal waters: a Danish case study <i>Christian Lønborg</i>	Hypoxia reduces the predation impact on the non-indigineous jellyfish <i>mnemiopsis leidyi</i> <i>Magnus Heide Andreasen (DTU-Aqua)</i>	
	Developing a GES indicator based on eelgrass areal distribution derived from orthophotos. <i>Mihailo Azhar</i>	Danmarks havstrategi og påvirkninger af havbunden <i>Michelle Obenhausen Mortensen (Miljøministeriets)</i>	
	Adaptation of the Argo Technology and Strategies for Shelf Observation <i>Bodil Toftegård</i>	Effects of food and temperature on the lipid accumulation strategy of arctic copepods: experimental approach <i>Sigrún H. Jónasdóttir (DTU-Aqua)</i>	
	Low-Cost Hyperspectral Imaging in Macroalgae Monitoring <i>Marc Allentoft-Larsen (AU)</i>	Establishing a baseline for environmental impact assessment for the Østlig Ringvej project: perspectives on water flow, ecological conditions, water quality <i>Gunnar P. Jensen (Sund & Bælt)</i>	

	Side Scan Sonar: Tracking Tracks - footprints from towed fishing gears <i>Alex Jørgensen</i>		
	The drones are coming - Mapping the seabed <i>Amanda Irland</i>		
	Advancing Seabed Imaging: Integrated Mosaicking Technologies for Enhanced Marine Exploration <i>Thompson, F (DTU Aqua)</i>		
	Autonomous profile measurements for water quality monitoring in Danish offshore waters <i>Colin Stedmon (DTU Aqua)</i>		
Sessions	Biodiversity monitoring including eDNA	Miljøfarlige stoffer	Fisheries technology
	Impact of deoxygenation on microbial distribution and roles in the biogeochemical cycles in the tropical south Atlantic ocean <i>Peihang Xu (SDU)</i>	New concept for integrated assessment of pollution sources in the sea (NEWSEA) <i>Zhanna Tairova (AU)</i>	
	WINDNA: eDNA based solutions for biodiversity monitoring at offshore wind farms <i>Jos Kielgast (DTU)</i>		
	Biodiversity monitoring of offshore structures in the Danish North Sea using environmental DNA (eDNA) <i>Magnus W. Jacobsen (DTU Aqua)</i>		
	Discovery of 3 new invasive copepod species in the years 2021 to 2023, not formerly found in Danish Waters		

	<i>Kirsten Engell -Sørensen (Fishlab)</i>		
Sessions	Modelling of marine environments	Monitoring of fish stocks	Marine research funding and strategies
	Turbulence along the shelf edge in the North Sea appears to generate heterogeneity in plankton food web structure <i>Axelle Cordier (KU Globe)</i>	The key fisher project: a citizen science programme to monitor danish coastal fishes <i>Mette K. Schiønning (DTU Aqua)</i>	
	OLAMUR project – Ocean model application for sustainable aquaculture <i>Jens Murawski (DMI)</i>	Where do you come from, where do you go: inferring connectivity and stock mixing from otolith microchemistry <i>Karin Hüsey (DTU Aqua)</i>	
	Motion and commotion at great meteor seamount, an underwater giant in the North Atlantic <i>Christian Mohn (AU)</i>	<i>Seven years of data collection through an electronic angler citizen science platform: lessons learned</i> <i>Christian Skov (DTU Aqua)</i>	
	Dynamic models are versatile tools for predicting how ecosystems behave; Examples from Youngsund, Greenland and turbulent flow around windmill foundations <i>Janus Larsen (AU)</i>	Oprensning af mistede fiskeredskaber i Grønland <i>Rasmus Nygaard (Grønlands Naturinstitut,)</i>	
	Towards ecosystem-based techniques for tipping point detection <i>Ashley D. Hemraj and Jacob Carstensen (AU)</i>		
Sessions	Marine birds and mammals	Blue carbon accounting	Jammerbugt – et naturligt observatorium

	Acoustic responses of white-beaked dolphins (<i>Lagenorhynchus albirostris</i>) to changes in maritime traffic A case study in Skjálfandi bay, Iceland <i>Mathieu Reverberi (DTU Aqua)</i>	A marine sediment blue carbon database for European regional seas (Euro-carbon) <i>Anna Elizabeth Løvgren Graversen (AU)</i>	Assessing the impact of demersal towed fishing gears on benthic macrofaunal assemblages in Jammerbugten <i>Karen A. Sønnichsen (AAU IKB)</i>
	Harbour porpoise displacement by a bottlenose dolphin in southern fyn <i>Olga Filatova (SDU)</i>	Residence Times and Legacy of Blue Carbon Reservoirs <i>Andre W. Visser (DTU Aqua)</i>	
Sessions	Maritime activities and Arctic	Marine thesis cup	Exploring the untapped potential of aquaculture
	The sensitivity of primary productivity in Disko Bay, a coastal Arctic ecosystem, to changes in freshwater discharge and sea ice cover <i>Marie Maar (AU)</i>		Degradation of macroalgae detritus: how does detritus from macroalgae cultivation affect carbon release from marine sediments? <i>Julie Lyhne Ehrenreich (AU)</i>
	Effect of zooplankton community structure on the biological pump in Arctic <i>Marja Koski (DTU Aqua)</i>		Seasonal variation in fertility status, gamete release, germination success rate and growth of <i>Fucus serratus</i> <i>Jørgen Ulrik Graudal Levinsen (AU)</i>
	Wet wipes in raw wastewater is a contribution to plastic pollution in the Arctic <i>Lis Bach (AU Ecos)</i>		Impacts of climate change on water quality, benthic mussels and suspended mussel culture in a shallow, eutrophic estuary <i>Marie Maar (AU)</i>
	Bioaccumulation of mercury in the Arctic plankton <i>Delove Asiedu (DTU Aqua)</i>		
	LSFO, effects and response options in an Arctic context <i>Janne Fritt-Rasmussen (AU)</i>		

Sessions	Science to support marine spatial planning in Denmark	Marine tools for nature restoration	Marine geoscience 1
	Life cycle assessment of concrete in artificial reefs: A case study of Køge Bay's circle reef project. <i>Siff N. Lørup, (DTU)</i>	Marine virkemidler- Implementeringsscenarier og Miljøeffekter <i>Andreas Holbach (AU)</i>	<i>See dedicated program above, with short 2-minute presentations followed by poster session.</i>
	Tænk tanken Hav – en uafhængig, vidensbaseret og løsningsorienteret tænketank <i>Liselotte Hohwy Stokholm (Tænk tanken Hav)</i>	Høst af søsalat som habitatrestaurerende virkemiddel <i>Annette Bruhn (AU)</i>	
	Marin habitatkortlægning i Østersøen 2022-2023 <i>Lars Ø. Hansen & Verner B. Ernstsen (GEUS)</i>	Projekt Sund Vejle Fjord - Biodiversitet i naturgenoprettede ålegræsbede, blåmuslingebanker og stenrev <i>Rune C. Steinfurth (SDU)</i>	
		How to reuse dredged marine sediment <i>Cátia Carreira (COWI)</i>	
		Habitat restoration and protection effects on european lobsters (<i>Homarus gammarus</i>): the livø stone reef marine protected area, Limfjorden. <i>Pedro S. Freitas (DTU)</i>	
		Cultivation of sugar kelp for nature restoration <i>Annette Bruhn (AU)</i>	
		Udpegning af egnede områder til genetablering af stenrev med et gis baseret værktøj <i>Peter A.U. Stæhr (AU)</i>	
Sessions	Coexistence between offshore energy sector and the marine environment	Communication of marine science	Free style Posters (Regardless to the sessions)

	The impact of offshore wind farms on marine biodiversity (biowind) <i>Karolina Reducha Andersen (AU)</i>		Connectivity between Siberian river runoff and the lower limb of the Atlantic Meridional Overturning Circulation <i>Caroline Gjelstrup (DTU Aqua)</i>
	A multidisciplinary toolbox for investigating methane seepage sources and origins in the Danish North Sea <i>Katrine Elnegaard Hansen (GEUS)</i>		SUBMUSSEL – udvikling af undersænket muslingeopdræt <i>Louise Dahl Kristensen (WSP,DK)</i>
	Offshore wind farm decommissioning and its impacts on marine biodiversity and social acceptance <i>Liv Kristensen Stranddorf (Vattenfall)</i>		Forvaltningsværktøj til placering af muslingeopdræt med fokus på natur og miljø <i>Maren Moltke Lyngsgaard (WSP,DK)</i>
	Temporary organizing with nature: reconfiguring the organization-natural environment interplay <i>Jonathan Feddersen (CBS)</i>		
	Biodiversity monitoring of offshore structures in the Danish North Sea using environmental DNA (eDNA) <i>Magnus W. Jacobsen (DTU Aqua)</i>		
	Exploring fish aggregations at oil and gas platform foundations in the North Sea <i>Bruno Ibanez-Erquiaga (DTU Aqua)</i>		
	Environmental DNA based insights of fish diversity associated to oil platforms in the Arabian Gulf <i>Sørensen, Johan M (Statens Naturhistorisk Museum)</i>		
	Bats offshore in the Kattegat and SW Baltic – combining efforts to get the bigger picture <i>Bjarke Laubek (Vattenfall)</i>		
	Coexistence initiatives in an offshore windfarm - a Danish case study, Anholt offshore windfarm (ANH, Ørsted) <i>Andrea Fischel (Ørsted)</i>		



Exhibitors

C.K. Environment A/S
Foga Aps, Foga Consult ApS
Kem-En-Tec Nordic A/S
Teledyne RESON
Sequoia Scientific, Inc.
AML Oceanographic
Xylem Water Solution Denmark
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