

North Sea Fisheries and climate change

Webinar

The effects of climate change on the oceans and the seas such as rise of temperature, acidification, sea level rise and migration of species are becoming increasingly noticeable. There is a clear necessity to adapt to the unavoidable consequences of climate change while taking measures to mitigate its effects. By adopting the EU Green Deal in December 2019, the European Commission is putting climate and environmental action as one of its key priorities.

The webinar will investigate the effects of climate change on productivity of the North Sea ecosystem and its implications for fish stock management. It will do so taking into account the carbon footprint of aquatic food for future planetary health diet and considering broader climate-ocean nexus implications for the North Sea fisheries.

Zoom: 7 December, 10.00-12.30 CET
Moderator: Alexandra Philippe

Programme		
10:00-10:10	Introduction: overview of Climate Change FG objectives & EU policies	Alexandra Philippe, NSAC
10:10-10:55	Climate change impact on fisheries in the North Sea	
	Effects of climate change on fish stock migration in the North Sea and implications for management	Mark Dickey-Collas, ICES
	The influence of fishing and climate on North Sea cod stocks: a view from FishClim (Beaugrand G., Balembos A., Kléparski L., Kirby RR)	Grégory Beaugrand, Laboratory of Oceanography and Geosciences, Lille University
	Sector observations concerning fish migration and management / Industry-science opportunities	Michael Andersen, Danish Fishers PO
	10 min Q&A	
10:55-11:40	Fisheries role in climate change: North Sea perspective	
	Good fisheries management is good carbon management	Rebecca Hubbard, Our Fish
	Constraints and trade-offs in the climate impact of fisheries	Giovanni Codotto, Aalborg University

	Sector efforts in ensuring compatibility of fisheries production with conservation objectives	Kenn Skau Fischer, Danish Fishers PO / NSAC
	10 min Q&A	
11:40-11.50	10 min coffee break	
11:50-12.20	Reconciling sovereign food supply with nature conservation	
	Resilience of the EU common fisheries policy towards climate change and fuel efficiency (CINEA study)	Francois Bastardie, DTU Aqua
	NSAC Advice on decarbonisation of fishing fleet	Alexandra Philippe, NSAC
	10 min Q&A	
12.20-12.30	Concluding remarks by NSAC Chair	Guus Pastoor, NSAC

Speakers

Alexandra Philippe

Alexandra Philippe is Fisheries and Maritime Affairs Advisor at the European Bureau for Conservation and Development (EBCD) and Chair of the NSAC Climate Change Focus Group. Prior to that, Alexandra has worked for eight years at the European Parliament mostly as parliamentary assistant to the Chair of the Committee on Fisheries. During this time, she contributed to the parliamentary work on fisheries and participated in the negotiations on initiative and legislative texts related to these topics. She acquired an expertise in fisheries issues and in EU political affairs and processes.

Mark Dickey-Collas

As the Chair of the Advisory Committee of ICES (www.ices.dk), Mark Dickey-Collas (@DickeyCollas) oversees requests for impartial evidence on the state and sustainable use of our seas and oceans from international commissions and organizations, and fisheries and ecosystem management bodies. Mark has 25 years experienced in providing fisheries and marine science advice. Mark liaises with regional and international organisations across the north Atlantic and Arctic on issues such as ecosystem assessment, ocean health, data provision, Good Environmental Status (MSFD), vulnerable species and impacts of fishing. His scientific experience is in the field of population dynamics, ecosystem modelling and the policy/science interface (<http://www.researcherid.com/rid/A-8036-2008>).

Grégory Beaugrand

Grégory Beaugrand is a CNRS senior scientist at the Laboratory of Oceanography and Geosciences working on the effects of climate change on marine species. He is currently developing models as part of the MacroEcological Theory on the Arrangement of Life (METAL). He has also worked on the influence of hydro-climatic variability and climate change on fish distribution and recruitment.

Michael Andersen

Michael Andersen is Chief Scientific Advisor to the Danish Fishers PO, a position he has held for more than 25 years. Before that he worked for 5 years as a fisheries scientist in Greenland, where he found out that his background as a scientist could facilitate the dialogue between industry and science. Until 2021 he chaired the Demersal Working Group for the Baltic Advisory Council and he works as General Secretary for the Baltic Fishermen's Association. In the NSAC, he is Chair of the Landing Obligation focus group.

Rebecca Hubbard

Rebecca Hubbard is the Program Director of Our Fish, a campaign project established to achieve better fisheries management in the EU as direct action on the climate and biodiversity crisis. Rebecca has a Bachelor of Environmental Science and over 20 years experience in environmental advocacy campaigns, specialising in ocean conservation. Rebecca is specialized in campaigning, communications, collaboration and project management. Her work has involved leading a national, conservation-fishing alliance to strengthen fisheries legislation, improving transparency and monitoring of impacts from salmon aquaculture, marine protected areas, ancient forest protection, and consumer campaigns on genetically engineered food. Currently she is focusing on how sustainable fisheries in Europe can help mitigate climate chaos and halt biodiversity loss.

Giovanni Codotto

Giovanni Codotto is a PhD student working on Life Cycle Assessment (LCA) of fisheries, using a consequential approach, at Planning Department of Aalborg University. He has previously worked as a research assistant at the same institution on different LCA projects, among which he worked with climate impacts of Danish fisheries.

Francois Bastardie

Francois Bastardie is a DTU-Aqua Senior Scientist and method developer in the Section of Ecosystem-based Marine Management with a PhD in Biological Science. He has 15 years of experience that led to more than 60 peer-reviewed publications by conducting scientific-based fisheries management evaluation with scenario-testing evaluation and simulations, including fleet dynamics and consequences on the economy of fisheries, population dynamics and fish stock assessment. He was recently in charge of an international CFP & Climate change project tasked by the CINEA to review and model the past and future effects of climate change on an array of EU fisheries (including North Sea) with considerations on resilience/adaptation pathways. He is now experiencing these workflows from science to policy as an appointed member of the EU STECF.

Kenn Skau Fischer

Kenn Skau Fischer is the Executive Committee Chair of the North Sea Advisory Council. He is also the CEO for the Danish Fishers PO, one of the largest producer organisations in the fisheries in the EU. He is an university educated economist and has more than 20 years of experience working with fishery policy and management in Denmark and in the EU. He is devoted to a continued development of a sustainable fisheries and that improved dialogue and cooperation being essential to the fishing sector and has especially at national level worked hard to build bridges between the academic world and the fisheries sector. He chairs and co-

chairs several positions at national level in the fisheries sector, including the Danish umbrella organisation, the Seafood Branch, promoting fish and fish products in Denmark.

Guus Pastoor

Guus Pastoor is Chair of the NSAC General Assembly and Chair of the board of AIPCE, the European Federation of Fish Processors and Importers and has over 25 years of experience in the fishing sector. Mr Pastoor is also Chair of the Market Advisory Council. At the national level, he chairs the Dutch Fish Federation (Visfederatie), the Inter-branch Organisation for Brown Shrimp Fisheries, and is Vice-Chair of the Dutch Fish Marketing Board. He graduated at Rotterdam's Erasmus University with a degree in business and fiscal economic. Prior to his work in the fish sector, he worked as a manager and business consultant in the dairy industry for several years as well as the logistic sector.