

DATE: 6 FEBRUARY 2018

VENUE: KILEN, KS 43, KILEVEJ 14A, DK-2000 FREDERIKSBERG

# THE MARITIME INDUSTRY 2030 RESEARCHERS WORKSHOP

**CBS MARITIME**

MARITIME INDUSTRY 2030 IS KINDLY SUPPORTED BY  
THE DANISH MARITIME FUND

**CBS**  COPENHAGEN BUSINESS SCHOOL  
HANDELSHØJSKOLEN

## ABOUT MARITIME RESEARCH ALLIANCE

In addressing the challenges ahead for the maritime industry, we need to look through more than the one pair of research spectacles! Such can be said to be the message from the OECD, various academic researchers, consultants and journalists as well as from a broad range of maritime organizations, when visualizing the maritime industry towards 2030. In other words, a singular focus on the industry problems either from a health, technical, economic, social or regulatory perspective, is not fulfilling the need for research-based answers to the challenges facing the industry in the future. We believe that the path forward requires interdisciplinary knowledge production, thus analyzing the problems from different angles and providing complex solutions to complex challenges facing ocean based industries in the future.

In an attempt to answer the call for enhanced interdisciplinary maritime research, five Danish universities, all engaged in maritime and ocean research and education, are initiating further collaboration through the newly established *Maritime Research Alliance*. The alliance has participation of researchers from Aalborg University, Technical University of Denmark, Copenhagen Business School, University of Copenhagen and The University of Southern Denmark.

The first provision will be an international, joint researcher/practitioner event entitled "The Maritime Industry in 2030" held at Copenhagen Business School on 5-6 February 2018. On **5 February** we invite practitioners and researchers to an **open conference**, after which we follow with a **closed researchers workshop** on **6 February** for maritime and marine researchers.

The focus of Maritime Research Alliance is to:

- Initiate interdisciplinary research projects that address challenges related to digital and sustainable ocean economy and governance
- Establish an organizational platform of maritime and ocean experts within different areas of expertise
- Create awareness around maritime and ocean research and education at Danish universities
- Be an entry point for collaboration with the industry as well as international universities and organizations
- Market the maritime research alliance as a partner in relation to new research initiatives – national and international

*Frontpage photo: Iris/Scanpix*

### PARTNERS:



**AALBORG UNIVERSITY**  
DENMARK



### PARTNERS:



## 2 RESEARCHERS WORKSHOP

# THE MARITIME INDUSTRY 2030

### PROGRAM OF THE DAY – 6 FEBRUARY 2018:

09:45 – 10:00: Registration and Light Breakfast

10:00 – 10:10: Welcome and Follow-up by Maritime Research Alliance:

*“Fitting the Form and the Content – Initiating Future Research Projects Based on Conference Input”*

10:10 – 10:40: Keynote by Professor Katherine Richardson (University of Copenhagen) – Leader of Sustainability Science Center and Appointed Member to the United Nations Global Sustainable Development Report for 2019:

*“Sustainable Development and the Role of Research: Interdisciplinary Cooperation Between Researchers, Businesses and Decision-makers – The Way Forward!”*

10:40 – 12:00: Round Table Discussions and Group Presentations

### **12:00 – 12:45: LUNCH AND NETWORKING**

12:45 – 13:15: Keynote by Dr. Tristan Smith (Bartlett School of Environment, Energy and Resources) – Reader in Energy and Shipping and Leader of UCL – Energy Shipping Group:

*“Initiating Interdisciplinary Research Aimed at Providing Solutions To Complex Maritime Research Questions”*

13:15 – 14:45: Round Table Discussions and Group Presentations

14:45 – 15:15: Coffee Break

15:15 – 16:00: “How the Form Now Fits the Content?” Wrap-Up by Maritime Research Alliance

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# RESEARCH AREAS AND GROUPS

The aim of the workshop is to take the first steps towards initiating interdisciplinary research projects that address business and policy challenges related to i.e. digitization, sustainable maritime supply chains, connectivity, ocean economy and governance.

Based on the different maritime and marine research agendas represented by the five Danish universities, we organize the workshop around seven areas of research, as they correspond to recent public policy recommendations. The different research areas form the basis for the formation of the groups.

The seven workshop groups are entitled: 1) Digitization incl. Autonomous Systems, 2) Decarbonization, 3) Emerging Sectors of the Sea 4) Connectivity, Trade Facilitation and Supply Chain Efficiency 5) Health and Safety 6) Governance 7) Innovation and New Maritime Technology.

The organizers ask that the participants return with a prioritized list of which group he/she wishes to be a part of during the workshop. Based on the input from the participants, the organizers will divide participants into 6-8 groups, each consisting of 5-8 people. Kindly indicate your main area of research on your list, so that the organizers may ensure interdisciplinarity within the groups

**RSVP no later than 29 January 2018 via email to:**  
**maritimeindustry2030@cbs.dk - subject: Researchers Workshop 6.2**

The connection between research areas, research disciplines and future interdisciplinary research collaboration, can be illustrated as in the table below:

Examples of Research Disciplines 	Research Areas/Policy Recommendations (the different groups)						
	Digitization incl Autonomous Systems	Decarbonization	Emerging Sectors of the Sea	Connectivity, Trade Facilitation and Supply Chain Efficiency	Health and Safety	Governance	Innovation and New Maritime Technology
Engineering	Common Front (Maritime Research Alliance)						
Law							
Management							
IT							
Biology							

## 4 KEY NOTE SPEAKERS

PROFESSOR KATHERINE RICHARDSON,  
UNIVERSITY OF COPENHAGEN



**Professor Katherine Richardson**

*Foto: Magnus Aronson*

Katherine Richardson is Professor of Biological Oceanography and Leader of the Sustainability Science Centre at the University of Copenhagen. She was Chair of the Danish Commission on Climate Change Policy which developed the plan for removing fossil fuels from the Danish energy and transport sectors upon which the current national energy strategy is based. She is a member of the Danish Council on Climate Change and appointed member to the United Nations Scientific Panel to draft the Global Sustainable Development Report, published in 2019. Her research focuses on biogeochemical processes in the surface ocean and how these are influenced by climate change. Specifically, her work deals with how changes in climate and biodiversity in the ocean interact to influence the global carbon cycle. She is also a co-leader in the development of the Planetary Boundaries framework aiming to identify a safe operating space for humanity in relation to its perturbation of the global environment. KR has published over 100 scientific papers and book chapters.

**About Sustainability Science Centre, University of Copenhagen:**

*At the Sustainability Science Centre, we see interdisciplinary cooperation between researchers, businesses and decision-makers as the key to solving the new challenges we face as a society. We work to ensure that the right people are connected, so that both scientists, students and the public at large become a part of the process to reshape our common future. ([www.sustainability.ku.dk](http://www.sustainability.ku.dk))*

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## DR. TRISTAN SMITH, BARTLETT SCHOOL OF ENVIRONMENT, ENERGY AND RESOURCES



*Dr. Tristan Smith*

Dr. Tristan Smith is a Reader in Energy and Shipping at UCL-Energy and leads the UCL-Energy Shipping Group at The Bartlett School of Environment, Energy and Resources.

His research focus is mainly on the development of techno-economic models for the shipping industry and the design of effective policy and instruments for CO<sub>2</sub> emissions reduction. Tristan is a well-known speaker and is actively engaging with the shipping industry through a variety of applied research and consultancy contracts and projects that range from policy analysis to scenario modelling and technical support. He was the principal investigator on the Shipping in Changing Climates consortium that sought to understand and develop solutions for environmentally friendly, energy efficient and sustainable shipping, a member of the Carbon War Room Shipping Efficiency Advisory Board, and co-chair of the Carbon Pricing Leadership Coalition's Maritime Thread.

### **About UCL-Energy Shipping Group at The Bartlett School of Environment, Energy and Resources:**

*Our mission is to accelerate the transition to an equitable, globally sustainable energy system through world-class shipping research, education and policy support.*

*(<https://www.ucl.ac.uk/bartlett/energy/research/themes/transport/shipping>)*

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# 6 WORKSHOP FACILITATOR

To help design, facilitate and visually document the output from the workshop, the organizers are working together with workshop-organizer and graphic illustrator, Bigger Picture:

**About Bigger Picture:**

*“We work where there is a need for shared pictures around complex issues and a high degree of engagement from everyone involved” (www.biggerpicture.dk)*

## IDA MAJ EMBORG, CONSULTANT / GRAPHIC FACILITATOR

Ida facilitates change and communication processes and she teaches teams from the private as well as the public sector in graphic facilitation. With a background in Performance Design and Organisational Studies, she has an analytical approach to problems as well as solid experience in process and project management in relation to public-private innovation, organizational development and event design.

## SOFIE LIND MESTERTON PROCESS ILLUSTRATOR

Sofie is an illustrator with practical background from The Royal Danish School of Design where she is used to create visual concepts, stories and dialogue through drawing. As process illustrator she quickly catches key points and creates visual overview in complex matters. Sofie is structured, quick on the hand and has a humorous stroke.

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A BUSINESS IN SOCIETY PLATFORM  
AT COPENHAGEN BUSINESS SCHOOL

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