

News from CMSS

New network project receives grant

Support for a new Arctic network project

Senior Researcher Hanna Barbara Rasmussen, Center of Maritime Health and Society (CMSS) and Associate Professor Dewan Ahsan, Department of Sociology, Environmental and Business Economics (SEBE) have recently received support for the project 'The Polar Code and Maritime Safety: International Network on Emergency Preparedness and Occupational Health and Safety in Arctic Shipping'. The funds are awarded by the Ministry of Education and Research's International Network Programme 2020.

The aim of the project is to establish a sustainable research network within maritime safety in the Arctic. This will happen in a collaboration between the University of Southern Denmark (SEBE and CMSS), the Finnish Institute of Occupational Health, Aalborg University (CIRCLA), the Norwegian University of Science and Technology (NTNU), the University of Greenland and Tyumen State University, Russia.

The project is expected to start on 1 February 2021 and run until 31 December 2022. During the project period, meetings will be arranged at some of the universities involved, and the plan is also to hold a workshop in Copenhagen.

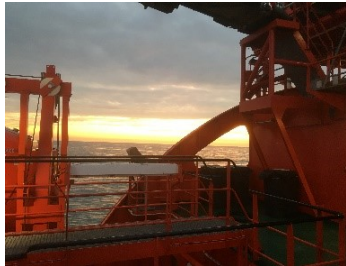
Project SEEDS

The SEEDS project is off to a good start

In September, after completing the required safety training course and the Covid-19 isolation restrictions, Senior researchers Lisa L. Froholdt and Hanna B. Rasmussen embarked on their first

sea passage with ESVAGT to begin 2 workshops in the SEEDS project out in the Triton Knoll Windfarm. During the following 10 days on board, they introduced the crew to the project's five focus areas, including, stress, fatigue and diet.

This is not the first time that CMSS is engaging in Health promotion projects in the maritime industry. The knowledge gained from previous projects is used in SEEDS, however, new ideas and specific company needs have also been incorporated.



Lisa and Hanna have been busy collecting data onboard, including questionnaires and interviews. This data is necessary in order to help ensure an effective implementation of the project. As a novel aspect of the SEEDS project, coaching sessions are offered.

The passage went extremely well, and although their 'sealegs' are adequate, both Hanna and Lisa appreciated the necessity for the ship to sail to the port due to a storm.

CMSS is very pleased with the noticeable interest that the sector has shown for the topic and the project. The next sea passage has been postponed until January because of the present Corona situation. The project is expected to run until the summer of 2021.

New national strategy for work environment research

In January, CMSS was invited by the Ministry of Employment to participate in a seminar on a new national strategy for work environment research. Together with other work environment researchers, we made contributions and participated in discussions, both of which formed the basis for further work on the strategy. Subsequently, a few further additions and clarifications were made in collaboration with representatives of the social partners, prior to the Minister's approval. Finally, the work environment conciliation group was informed about the strategy that has been published just recently.

The national strategy sets a clear direction for Danish work environment research in the next 10 years. The goal is to ensure the necessary research-based knowledge about work environment enabling the work environment players - and not least the companies – to act and make changes in the workplaces.

The strategy is based on three priority parameters. One parameter is about the extent of a problem or potential, the other about filling "knowledge gaps" in the field of work environment, and the third about ensuring that the research supports the new national goals for work environment that will be agreed between the government and the social partners.

CMSS is particularly pleased with the focus that the psychosocial work environment receives, as it lags behind the epidemiological research, among other things. The technological development has a great influence on the work practices of organizations, and both focus areas are in line with the Centre's current priorities and activities.

[Read more about the national strategy for work environment research \(Danish only\)](#)

CMSS took part in IMO meeting as part of Danish delegation

CMSS was part of the Danish delegation at the IMO FAL 44, which took place from 28th September to 2nd October. It was the first virtual regular session of an IMO committee meeting and was excellently chaired and facilitated by Chair Mrs. Marina Angsell (Sweden) and Vice Chair Ms. Hadza Bala Usman (Nigeria). In addition to CMSS, the Danish delegation also included Head of Delegation Ms. Karen Louise Andersen, Head of Section, Danish Maritime Authority, Mr. Michael Strandberg, Project Manager, Danish Maritime Authority, and Mr. Morten Glamsø, Head of Security, Danish Shipping.

It was pleasing that the committee approved the revised version of the IMO compendium on facilitation and electronic business in the ship and port interface. This work will continue in a Corresponding group that was established, and CMSS will contribute to this work if possible.

It was good to see the Secretary-General, Mr. Kitack Lim, who concluded the meeting at the end of the week, with his warm thanks for the delegates' efforts, speaking also for seafarers' crew changes during Covid-19 and women in the maritime industry.

[Read the meeting summary](#)

CMSS becomes member of a new national industrial cluster

Head of Research at CMSS, Senior Researcher Lisa Loloma Froholdt has recently been appointed as member of the new nationwide maritime board MARLOG.



The newly established maritime cluster organization, MARLOG, which is Denmark's official cluster organization for the maritime industry and logistics, works for Denmark as a sustainable and innovative leading power center for the maritime industry and logistics. MARLOG works to promote increased competitiveness for the maritime industries and logistics through innovation, transformation and competence development.

SDU is one out of three Danish universities represented in the MARLOG board, including also DTU and AAU. Head of Research, Professor Mette Præst Knudsen from SDU has contributed to the establishment of MARLOG through an application from 'Innovationskraft', which is a program supported by the Ministry of Education and Research (UFM) and the Danish Board of Business Development (DEB), for funding to the cluster program 'Innovationskraft: Danske klynger for viden og erhverv 2021-2024'. The purpose of the program is to strengthen the innovative power of Danish companies within Denmark's strongest and most promising business and technology areas through cooperation and knowledge transfer between companies, knowledge institutions and other players. The allocation of funds from UFM and DEB takes place over a 4-year period from 2021-2024. UFM and DEB intend to set aside each approx. 80 million DKK annually during the period (a total of approx. DKK 640 million).

As part of the board, Lisa Froholdt will especially contribute to strengthening the maritime education and training area. Also offers of continuing education must be developed to increase the knowledge and competencies of the employees in the maritime industry. At the same time,

a relevant graduate education at master's level for ship officers (Master mariners and Marine engineers) must be developed and introduced. There is also a demand for more established career paths for ship officers, ensuring that a career path at sea does not turn into a dead-end street if the ship officer at a later stage wants to go ashore.

As a maritime researcher, Froholdt has solid experience of working with maritime education, partly at SDU and partly from the UN International Maritime Organization's educational institution, World Maritime University, in Malmö. She has also worked extensively with bridge-building, research projects and development between the university and the industry, and she was responsible for the annual maritime conference, called the Blue Conference. Froholdt has given several presentations and participated in panel discussions in various European countries on maritime education and research, both as a researcher and as a consultant in the private maritime sector. Her research areas include, amongst others, the UN's sustainability goals, mental health for seafarers, human factors and piracy. She is currently working on a project on mental health and well-being in a Danish shipping company as well as on anti-corruption in a large international consortium, also known as PREMPOC*.

* Prempoc stands for 'Prevention of Maritime and Port Corruption' and is a strong multilateral, international team of experts with many years of experience in the field, with theoretical knowledge, practical maritime experience, experience in legislation and 'machine learning', experience in doing research and development projects in anti-corruption in the maritime industry as well as experience in maritime education and training.

[Read more about MARLOG \(Danish only\)](#)

Publications

Recently published scientific articles from CMSS (names of CMSS employees marked in bold)

- **Nørgaard Remmen L**, Fromsejer Heiberg R, Høyrup Christiansen D, **Herttua K**, Berg-Beckhoff G. Work-related musculoskeletal disorders among occupational fishermen: a systematic literature review. Occupational and Environmental Medicine. 2020.

<https://doi.org/10.1136/oemed-2020-106675>

- Fotteler ML, **Andrioti Bygvraa D, Jensen OC**. The impact of the Maritime Labor Convention on seafarers' working and living conditions: an analysis of port state control statistics. *B M C Public Health* 2020;20(1586).
<https://doi.org/10.1186/s12889-020-09682-6>
- Wahl A, **Jensen OC, Andrioti Bygvraa D**. An Analysis on Prevention Interventions: Lessons Learned. *International Journal of Caring Sciences* 2020;13(1): 207-214.
- **Zhao Z**, Walters D, Shan D. Impediments to free movement of Chinese seafarers in the maritime labour market. *The Economic and Labour Relations Review* 2020.
<https://doi.org/10.1177/1035304620937881>
- Wang X, Liu Z, **Zhao Z**, Wang J, Loughney S, Wang H. Passengers' likely behaviour based on demographic difference during an emergency evacuation in a Ro-Ro passenger ship. *Safety Science* 2020;129.
<https://doi.org/10.1016/j.ssci.2020.104803>
- Pedersen S, **Ahsan D**. Emergency preparedness and response: insights from the emerging offshore wind industry. *Safety Science* 2020;121: 516-528.
<https://doi.org/10.1016/j.ssci.2019.09.022>
- **Ahsan D**, Pedersen S. Stakeholders' engagement in emergency management: An overview from the Danish offshore wind sector. In: Huang C, Nivolianitou ZS (eds.). *Risk Analysis Based on Data and Crisis Response Beyond Knowledge*. 1st ed. CRC Press; 2020
<https://doi.org/10.1201/9780429286346-54>

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