

Ice cold knowledge – how Arctic Sea ice matters

The continuously widening seasonal ice zone belongs to some of humanities most demanding environmental challenges. Nowhere is global climate change greater than in the ice-covered waters of the High North with climate feedbacks impacting human living conditions of the entire Northern Hemisphere.

In the official side-event “The global implications of a rapidly-changing Arctic“, hosted by the Arctic Council, professor Paul Wassmann from UiT The Arctic University of Norway will provide the most recent comprehension of the biogeochemistry, ecology and biodiversity of the hitherto ice-covered waters of the central Arctic Ocean. Arctic sea ice impacts weather variability of the entire Northern Hemisphere, CO₂ uptake by the ocean, productivity of some of the earths most important fisheries, living conditions of Arctic species and human Arctic populations, economic activities and global transport routes. Receding Arctic Sea ice exposes increasingly a dearth of knowledge that has to be made available in order to pave the road for knowledge-based resource and ecosystem management. Professor Wassmann will also illustrate how some of the lacking knowledge can be provided and implemented in order to adapt to Arctic change in a sustainable manner.

Title of talk: How Arctic sea ice matters: what we know and need to know for adaptation

Time: Monday 6th November, 13:15 – 14:45, Bonn Zone

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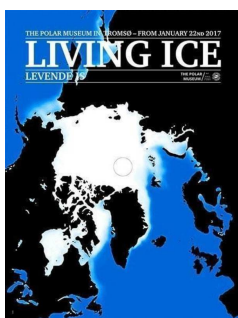
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Paul Wassmann is an acknowledged professor in marine ecology at UiT – The Arctic University of Norway. His research deals with the structure and function of Arctic marine ecosystems, vertical flux regulation in relation to environmental forcing and pelagic-benthic coupling. He is also interested in physical-biological coupled hindcast and forecast models. He has engaged himself in activities to support endeavours that promote pan-Arctic marine ecosystem integration. Since 1984 his Arctic field work has mainly focussed on the Barents Sea, Fram Straight and the slopes of the northern Svalbard shelf.

<http://site.uit.no/arcticsize/>



Living Ice

In this beautifully illustrated electronically flip-book you can read more about how life in the Arctic ocean is influenced by increased melting of sea ice. The book can be found at:

<http://reibo-test.com/livingice/english2/>