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UND MEERESFORSCHUNG

Climate Research

AWI publishes magazine on climate research in the Arctic and Antarctic

87 pages of reliable information on our planet's hotspots

[14. February 2018] Making climate research accessible - it was with this goal in mind that the Alfred Wegener Institute released the magazine "Tracking Changes". In articles, interviews and infographics, readers will come to realise why pursuing climate research in the polar regions is so vital. Further, the engaging and highly informative read will make them ideally prepared for the next time they find themselves in a discussion about climate change.

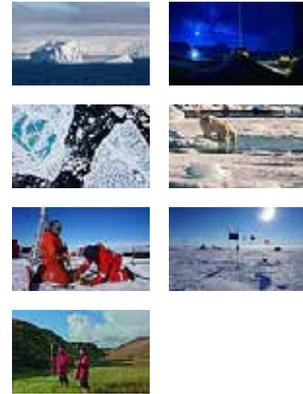


The Arctic is warming - and more than twice as quickly as the rest of the planet. In fact, you'd be hard pressed to find a region where the effects of climate change are more apparent. But will there soon truly be no more sea ice there in the summer? Why is damage amounting to billions of euros now arising in the Arctic infrastructure? And what will all of these changes mean for life at our latitudes? Day after day, experts at the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research (AWI) collect tremendous amounts of data and use advanced climate models to find the answers to these questions. Their mission is to painstakingly investigate and understand climate changes in the polar regions, so as to be able to make accurate forecasts concerning the future development of our climate.

A new magazine on climate research in the polar regions now gathers their latest findings. In fifteen articles, readers will learn how researchers arrive at this important data, and what it tells us about our planet's future. They'll find reliable information on how research expeditions into the ice, laboratory tests and climate models all contribute to our grasp of the climate. In addition, the researchers explain what drives them to return to the polar regions time and time again. And complex topics like rising sea levels are visualised with the aid of infographics. Among others, you can read about:

- Which islands and coastlines will still be inhabitable in the future? The answer largely depends on how rapidly the ice masses in Greenland and the Antarctic continue to melt. Accordingly, AWI researchers are using satellites to closely monitor the state of these ice sheets.
- With the help of underwater recorders, AWI scientists are investigating the unique soundscape of the Southern Ocean. The recorded sounds can tell us when and where to find whales and seals - information that is important e.g. for the establishment and supervision of Marine Protected Areas. However, not all of the sounds they pick up are created by animals.

Downloads



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- Last year an iceberg seven times the size of Berlin calved off from the Larsen C Ice Shelf in the Antarctic. What happened next? When such a colossal iceberg drifts through the Southern Ocean, its course is hardly random. Join us for a talk about cracking ice, sliding giants and a lonely wanderer by the name of A68.

The magazine can be [downloaded](#)

In addition, the print version can be ordered free of charge at the following address:

Klimabüro für Polargebiete und Meeresspiegelanstieg
Am Handelshafen 12
27570 Bremerhaven

info@klimabuero-polarmeer.de

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Institute**



The Alfred
Wegener Institute
pursues research

in the polar regions and the oceans of mid and high latitudes. As one of the 19 centres of the Helmholtz Association it coordinates polar research in Germany and provides ships like the research icebreaker Polarstern and stations for the international scientific community.

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