

One year in the eternal ice – a milestone in climate research



Professor Dr. Markus Rex
Frozen at the North Pole
[Eingefroren am Nordpol]
The log book of the RV
Polarstern

C. Bertelsmann
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With numerous 4c illustrations and
graphs
English sample translation available

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Markus Rex is the head of atmospheric research at the Alfred Wegener Institute, Helmholtz Centre for Polar and Sea Research, and he is professor for atmospheric physics at the University of Potsdam. He had already joined numerous expeditions to the Arctic, Antarctica and other remote regions of the world to research the complex climatic processes that lead to at times dramatic climate changes. He heads the MOSAiC project, a unique research collaboration by 90 institutions from 20 countries.

On the 20th September 2019 began the largest polar expedition of all time: The research vessel RV Polarstern set off from the port of Tromsø, Norway, to be frozen to the ice of the North Pole. Scientists from 20 countries have boarded to research the consequences of climate change for one whole year.

Markus Rex, the head of this research expedition called MOSAiC, recounts in his book the story of this unique endeavour. He reports excitingly and vividly about the everyday life of the expedition, which was exposed to unimaginable conditions and challenges in the Arctic: constant ice cracks, the dramatic rise of huge mountains of ice, enormous snow storms, extreme cold, the impenetrable darkness of the polar night, which lasted for months, and the frequent encounters with dangerous polar bears. And right in the middle of all this, the Corona pandemic brings the expedition to the edge of the abyss. Rex captivatingly describes how his research team overcomes the exertions always guided by the goal of shedding light on the processes of global climate change, which is nowhere as pronounced as it is in the Arctic.

Frozen at the North Pole is not only the story of the largest research adventure ever but at the same time a vivid insight into the dramatic consequences of climate change.

The book contains many colour illustrations, including exclusive photos from the expedition, graphics and maps.

Press

"Rex writes intelligibly, unagitatedly, and at the same time full of respect for nature." *SWR 1*

"Rex succeeds [...] in creating a gripping mixture of everyday life under extreme conditions, scientific facts and the magic of a fascinating unknown world." *MDR Wissen*

"A fascinating book." *Markus Lanz*