MOSAiC / Polarstern

A DRIFTING ARCTIC OBSERVATORY

389
EXPEDITION DAYS

20
PARTNER NATIONS

80+
PARTNER INSTITUTIONS

FIG. 01 / EXPLODED CONCEPT STUDY

NOT TO SCALE



1 **Atmosphere**
Weather observations tracked the air above the drifting floe.

2 **Polarstern**
The icebreaker served as the expedition's research base.

3 **Sea ice**
Teams on the floe observed changes in snow and ice through the seasons.

4 **Ocean**
Sampling below the ice connected conditions in the water to those at the surface.

2019–2020 Polarstern drifted with the Arctic sea ice through a full seasonal cycle.

Sources AWI NOAA