



ALFRED-WEGENER-INSTITUT  
HELMHOLTZ-ZENTRUM FÜR POLAR-  
UND MEERESFORSCHUNG

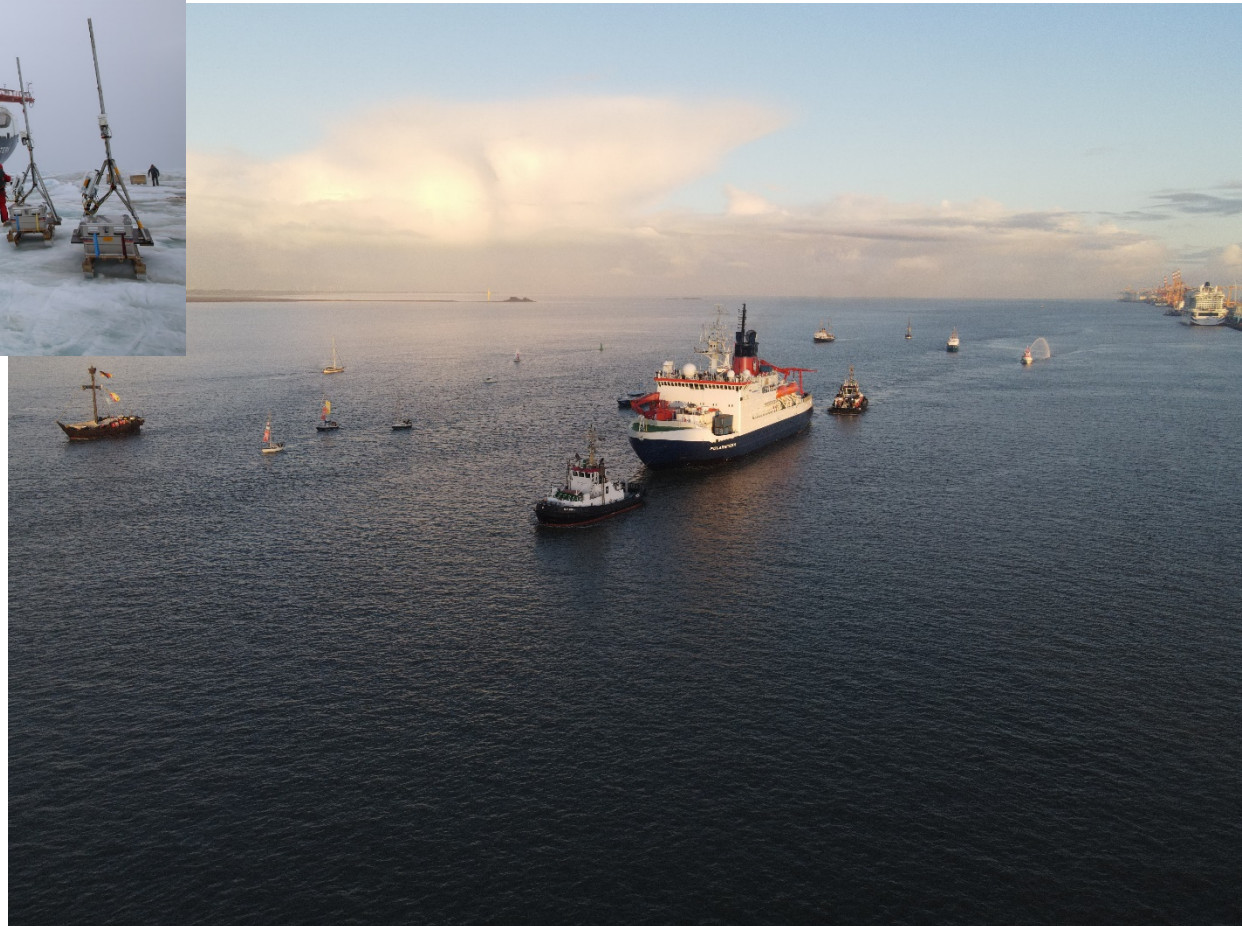


# German Arctic Expeditions 2020 - 2021

**FARO/ASSW, 2021, Portugal**

**Dirk Mengedoht** (Alfred Wegener Institute, Germany)





# Polarstern Arctic Expeditions

planned in 2021

| Leg          | Start                      | End                         | Mission                                                               |
|--------------|----------------------------|-----------------------------|-----------------------------------------------------------------------|
| <b>PS126</b> | 24 May 2021<br>Bremerhaven | 28 June 2021<br>Bremerhaven | FRAM<br>Framjelly<br>(Fram Strait, West Spitzbergen & East Greenland) |

**Testings + 16 days quarantine in Bremerhaven**

# Heincke Arctic Expeditions

2020



| Leg              | Start                                            | End                                              | Mission                                                      |
|------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------|
| <del>HE558</del> | <del>07.08.2020</del><br><del>Tromsø</del>       | <del>29.07.2020</del><br><del>Longyearbyen</del> | <del>Oceanography</del><br><del>Fram Strait / Svalbard</del> |
| <del>HE559</del> | <del>01.08.2020</del><br><del>Longyearbyen</del> | <del>15.08.2020</del><br><del>Longyearbyen</del> | <del>Biology/Geology</del><br><del>Svalbard</del>            |
| <b>HE560</b>     | <b>03.08.2020</b><br>Longyearbyen                | 10.09.2020<br>Bremerhaven                        | Biology<br>Svalbard                                          |

**No Arctic cruises in 2021**



# AWIPEV<sup>79°N</sup>

Arctic Research Base Ny-Ålesund

2020-2021

A photograph of three people standing in a barren, rocky landscape with mountains in the background. The person on the left is a man with glasses wearing a dark jacket with 'AWI' patches. The person in the middle is a woman wearing a dark jacket and a beanie with 'AWI' on it. The person on the right is a man with a beard wearing a red jacket with 'INSTITUT POLAIRE FRANÇAIS' on it. Each person has a white nameplate at their feet.

**Sandra Graßl**  
**Observatory Engineer**

**Bettina Haupt**  
**Station Leader**

**Lucas Blijdorp**  
**Logistic engineer**

[stationleader@awipev.eu](mailto:stationleader@awipev.eu)

Dirk Mengedoht, AWI Logistics

- ***47 projects registered***

*(35 GER, 11 French, 1 Dutch)*

**incl. *FACE-IT***

<https://www.face-it-project.eu/>

Dutch Note:

**SEES cruise will be postponed to 2022**

Multidisciplinary expedition to Edgeöya, Svalbard.

50 scientists + 50 tourists :

“Climate change in an uninhabited terrestrial ecosystem” <http://www.sees.nl>

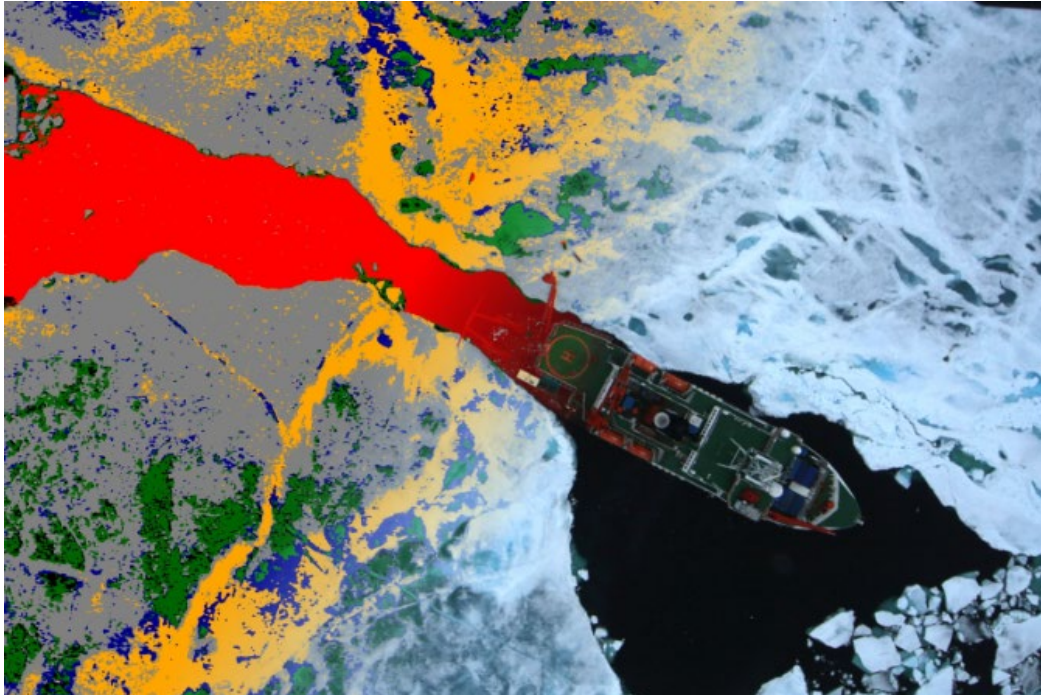


# IceBird **cancelled** in 2020 and 2021

Continuation of sea ice thickness time series in late summer

Additional focus:

Studies on melt pond characteristics of different Arctic sea ice regimes



Sea ice surface  
classification (green: melt  
ponds)

# The Changing Arctic Transpolar System (CATS, 2017 - 2021)

Heidemarie Kassens (GEOMAR) & Vladimir Ivanov (AARI)



- CATS aims to assess how climate change will affect the highly sensitive Arctic Environment and to what extent these changes may impact the climate in Europe
- Kara Sea, Laptev Sea, East Siberian Sea and Chukchi Sea
- Severnaya Zemlya (Cape Baranov)