

<b>INFRASTRUCTURE/FACILITY</b>	<i>RV Heincke</i>
<b>INFRASTRUCTURE/FACILITY</b>	<i>Research vessel</i>
<b>LOCATION OF INFRASTRUCTURE/FACILITY</b>	<i>North Sea, North Atlantic</i>
<b>LEGAL NAME OF OWNER ORGANIZATION</b>	<i>Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung – AWI</i> <a href="http://www.awi.de">www.awi.de</a>
<b>COUNTRY</b>	<i>Germany</i>
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## **DESCRIPTION**

*HEINCKE operated by the Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung, is a medium size multipurpose research vessel, which was designed for long-term cruises throughout the North Atlantic up to Svalbard and the adjacent shelf seas. She offers workplaces and accommodation for 12 scientists and 12 crew members. The operating range of this low noise ship is about 7500 nautical miles (= 30 passage days). Four laboratories (wet, dry, constant temperature controlled and hydroacoustic/CTD) offer almost vibration-free workplaces. Additionally, space is available for special containers. The ship is equipped with several winch systems, cranes, and*

sonar systems, which allow a wide range of biological, chemical, oceanographic, geological and geophysical research applications. The onboard science support equipment allows working in water depths of up to approximately 2000 meters.

Website:

<https://www.awi.de/en/fleet-stations/research-vessel-and-cutter/research-vessel-heincke.html>

Description in the Journal of large-scale research facilities (<https://doi.org/10.17815/jlsrf-3-164>)

RI/ Facility  
participating in an  
ERIC

NO

## INSTRUMENTS AND AUXILIARY EQUIPMENT

The scientific devices onboard RV Heincke are subdivided into the categories [Echo Sounders](#), [Meteorology](#), [Oceanography](#), [Ship Navigation](#) and [Underwater Positioning Systems](#).

### Echo Sounders

- *Fishing Echo Sounder (Simrad EK 60 / EK 80)*
- *Multibeam Echo Sounder (EM712)*
- *Scanmar Fishnet Echo Sounders*
- *Sediment Echo Sounder (Innomar SES)*
- *Sound Velocity Probe (MIDAS SVP)*
- *Sound Velocity Probe (Valeport Mini SVS)*

### Meteorology

- *Hyperspectral UV-VIS Radiance Sensor (RAMSES)*
- *Weather Station*

### Oceanography

- *CTD Probe with Carousel Water Sampler*
- *Flow Meter (PROMAG 50)*
- *Fluorometer (ECO FL(RT))*
- *Thermosalinograph*

### Ship Navigation

- *Dual Axis Doppler Log (DO Log)*
- *Electromagnetic Log (EM Log)*
- *GPS Receiver DGPS SAAB R5*
- *GPS Receiver Trimble Marine SPS461*
- *Gyrocompass (NAVIGAT X MK1)*
- *Motion Sensor (PHINS)*
- *Navigation Echo Sounder*
- *Ship Navigation Platform (NACOS)*

### Underwater Positioning Systems

- *Global Acoustic Positioning System (GAPS)*

For technical details, please see wiki:

<https://spaces.awi.de/pages/viewpage.action?pageId=289473090>

#### ACCESS PROVIDED

- *Remote: en-route sensors of the requested facility are operated by the owner's staff the presence of the user team is not required*
- *Physical (In person/hands-on): the presence of the user team is required/recommended during the whole operation period*

Information for expedition participants:

<https://www.awi.de/en/about-us/logistics/information-for-expedition-participants.html>

#### SPECIAL REQUIREMENTS

Num of access/Call;	<i>2 The submission of proposals for all medium-sized vessels can be done twice a year: End of August and end of February each year.</i>
Max period granted in the year:	<i>5 days</i>
Exclusion Periods in the year:	<i>December-January</i>
Max period granted per single user team (working day; days for R/V)	<i>5 days</i>
Max num of user team members admitted	<i>38</i>
Admin/Safety requirements for the user team	<i>For voyages of up to 7 days, medical information from participants is not required. However, it is recommended that participants be examined by the family doctor and dentist, with reference to the upcoming trip. If there are any doubts about health, users should not participate in their own interest. Detailed information is available here: <a href="https://spaces.awi.de/x/wzcGG">https://spaces.awi.de/x/wzcGG</a> Information about safety onboard can be found here: <a href="https://spaces.awi.de/x/ETqGG">https://spaces.awi.de/x/ETqGG</a></i>
Min # days/months of notice to the RI Resp/PI for preparing the access	<i>6 months</i>
Geographical Areas where RI/facility access is granted to user teams	<i>North Sea, North Atlanti</i>