

<b>INFRASTRUCTURE/FACILITY</b>	<i>Marine Stations Helgoland and Sylt</i>
<b>INFRASTRUCTURE/FACILITY</b>	<i>Marine Stations with lab facilities, course rooms, mesocosm facility</i>
<b>LOCATION OF INFRASTRUCTURE/FACILITY</b>	<i>Marine Station Helgoland (island of Helgoland, North Sea)</i>  <i>Wadden Sea Station Sylt (Island of Sylt, North Sea)</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>
<b>CONTACT</b>	<i>Dr. Angelika Dummermuth, Scientific Coordinator</i> <a href="mailto:angelika.dummermuth@awi.de">angelika.dummermuth@awi.de</a>  Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung Klußmannstrasse 3 D-27570 Bremerhaven  Phone: +49 (0)471 4831-1012 Mobil: +49 (0)160 90 65 98 13 Fax: +49 (0) 471 4831 1355 Email: <a href="mailto:Angelika.Dummermuth@awi.de">Angelika.Dummermuth@awi.de</a> <a href="http://www.awi.de">www.awi.de</a>

## DESCRIPTION

*The Marine Stations Helgoland and Sylt are permanent coastal stations in the German Bight operated as one joint research infrastructure by the Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI). Using both stations, the south-west region of the North Sea and its ecosystem features are tightly monitored via ecological time series, which are recorded and made available to government offices, professional associations, and research institutes world-wide. The stations are a hub for national and transnational access for guest researchers and visiting scientists in the German Bight. For over fifty years, the stations have served as centres of student education by providing facilities for university courses. The stations operate the coastal research vessels Mya II, Uthörn and Aade. The Biologische Anstalt Helgoland (BAH) is home to the AWI Centre for Scientific Diving, which conducts, promotes, and supports diver-related underwater science within the framework of all AWI research themes. The BAH is also home to the school laboratory OPENSEA, which offers high school students a scientific environment to explore marine science. The Wadden Sea Station on the island of Sylt offers 24 seawater mesocosms for ecological studies of future climate scenarios. Public outreach centres are associated with both locations (BLUEHOUSE and Erlebniszentrum Naturgewalten).*

Website:

<https://www.awi.de/en/fleet-stations/stations/marine-stations-helgoland-and-sylt.html>

Description in the Journal of large-scale research facilities (<https://doi.org/10.17815/jlsrf-8-184>)

RI/ Facility participating in an ERIC	NO
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## INSTRUMENTS AND AUXILIARY EQUIPMENT

*The portfolio of the stations comprises personal, remote and virtual access to field samples and data, as well as the provision of modern infrastructure for advanced work in the context of coastal research (laboratories, testing devices, standard sampling procedures, seawater supply, temperature constant rooms, research vessels, accommodation etc.). In addition to the basic facilities, visiting scientists have access to nutrient analyses, micro- and molecular biology laboratories through cooperation with on-site scientists and, uniquely, to outdoor mesocosms capable of simulating ocean warming and acidification under various tidal conditions. The research vessels can be requested for short research cruises to take pelagic or benthic samples.*

Users get access to the facilities for service requests in the user portal:

<https://accessinfra.awi.de>.

For details of equipment see user manual:

<https://spaces.awi.de/display/MSHS/Marine+Stations+Helgoland+and+Sylt+-+Wiki>

## ACCESS PROVIDED

**Physical, partially remote and remote:**

As a result of the wide array of different services of the large-scale research infrastructure, there are several ways of access. The most obvious one is visiting the stations. National and international users get access to the facilities via the user portal [www.accessinfra.awi.de](http://www.accessinfra.awi.de). Guidelines, forms and instructions and further information are made available on the websites of the Marine Stations Helgoland and Sylt (<https://www.awi.de/en/expedition/stations/translate-to-english-meeresstationen-helgoland-und-sylt.html>).

After registering on the web portal, users can apply for the usage time at the Marine Stations Helgoland and Sylt, including the associated infrastructures and facilities. First, legal, ethical, technical and logistical feasibility is checked. Applications for periods of less than 15 user days are possible on an ongoing basis. Those requesting more than 15 days of use are reviewed by the international User Advisory Board.

Remote access is not yet organized via the web portal but could be included as a new category in future. The data of the ecological time series are archived in the World Data Centre PANGAEA and can be accessed by science, public authorities, educational institutions, and national/international organizations via the marine-data-portal (<https://marine-data.de/>). To make information about and the knowledge resulting from the HR and SR LTER time series findable and accessible for the scientific community and other interested stakeholder groups meaningful and reproducible data products were already compiled for selected parameters. The resulting data products are presented on two dashboards ([Helgoland Roads Dashboard](#), [Sylt Roads Dashboard](#)), where information about the time series, near-real-time data and the data products are consolidated.

## SPECIAL REQUIREMENTS

Num of access/Call;	<p>1 per year for university courses (for university courses in 2026 the call is open until 28. February 2025)</p> <p>1 per year for guest research projects &gt;15 working days</p> <p>Applications for periods of use &gt;15 working days are made via an annual invitation to tender. The application deadline is 31 July for the period of use in the following year.</p> <p>Applications for usage time up to max. 15 working days are possible on an ongoing basis.</p>
Max period granted in the year:	Not limited
Exclusion Periods in the year:	December-January (only for university courses) No exclusion period for guest researchers
Max period granted per single user team (working day; days for R/V)	7 working days for university courses 15 working days for guest researchers
Max num of user team members	20 for courses on Helgoland, 18 for courses on

admitted	<i>Sylt, 3 per guest laboratory</i>
Admin/Safety requirements for the user team	<i>Obligatory safety and laboratory instruction</i>
Min # days/months of notice to the RI Resp/PI for preparing the access	<i>Depending on research project</i>
Geographical Areas where RI/facility access is granted to user teams	<i>North Sea</i>