

Inventory of the infrastructure in the Baltic Sea region suited for BONUS research

BONUS 2011-2017

BONUS

Science for a better future of the Baltic Sea region

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www.bonusportal.org

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1. Introduction

The research ships, field stations and advanced computing facilities listed in this inventory are potentially available for research in the BONUS programme. The inventory is intended to support applicants who participate in the BONUS calls in order for them to identify suitable infrastructures for their field work. If the applicants expect to receive the free of charge research infrastructure service as in kind contribution by any of the BONUS states, the project proposal must contain a corresponding notification form. Applicants are also advised to contact the infrastructure providers and negotiate the potentially needed services as early in the proposing process as possible. Note that not all of the research infrastructures included in the inventory will be available as in kind infrastructure contribution.

For the research ships and field stations the more detailed information is available [through hypertext links in the inventory].

This inventory presents the best knowledge of the BONUS Secretariat and it is updated systematically. Readers are requested to report of any updates and noticed imprecision to the BONUS Secretariat.

For more information, please contact the BONUS Secretariat's helpdesk by emailing helpdesk@bonusportal.org.

2. Inventory of research ships operating in the Baltic Sea suited for BONUS research

2.1. Summary tables

Coastal ships < 23m

| Name (link to ship information sheet if available) | Length | Country | Infrastructure provider | Contact |
|---|--------|-----------|---|---|
| Aurelia | 17 m | Sweden | Asko Laboratory, University of Stockholm | Lena Kautski lena.kautsky@smf.su.se |
| Emma | 8 m | Lithuania | Coastal Research and Planning Institute, Klaipeda university) | Zita Gasiunaite zita@corpi.ku.lt |
| Genetica II | 15 m | Denmark | Dept. Marine Biology, University of Aarhus | Verner Damm verner.damm@biology.au.dk |
| Geomari | 20 m | Finland | Geological Survey of Finland | Jyrki Rantataro jyrki.rantataro@gtk.fi |
| Havfisken II ¹ | 17 m | Denmark | National Institute of Aquatic Resources (DTU Aqua), Technical University of Denmark | Hans-Erik Mahnfeldt hmah@aqua.dtu.dk |
| IMOROS 2 | 12,5 m | Poland | Maritime Institute in Gdansk | Benedykt Hac Benedykt.Hac@im.gda.pl |
| IMOROS 3 | 8 m | Poland | Maritime Institute in Gdansk | Benedykt Hac Benedykt.Hac@im.gda.pl |

¹ will be commissioned 2012 as replacement for Hasfisken I

| | | | | |
|------------------------|------|-----------|---|--|
| Lotty | 16 m | Sweden | Umea Marine Center, Umeå University | Johan Wikner, johan.wikner@umf.umu.se |
| Lophelia | 12 m | Sweden | Tjärnö Station, Sven Lovén Centre for Marine Sciences, University of Gothenburg | Lars Hagström lars.hagstorm@loven.gu.se |
| Marinis | 8 m | Lithuania | Marine Research Department, Environmental Protection Agency | Algirdas Stankevičius a.stankevicius@aaa.am.lt |
| Nereus | 16 m | Sweden | Lovén Centre for Marine Sciences, University of Gothenburg | Lars Hagström lars.hagstorm@loven.gu.se |
| Ophelia | 15 m | Denmark | Department of Biology, University of Copenhagen | Jens Erik Nybo Larsen jenslarsen@bio.ku.dk |
| Oscar von Sydow | 12 m | Sweden | Kristineberg Station, Sven Lovén Centre for Marine Sciences, University of Gothenburg | Berne Petersson berne.petersson@loven.gu.se |
| Polarfuchs | 13 m | Germany | Leibniz Institute of Marine Sciences, IFM-GEOMAR | Klas Lackschewitz klackschewitz@ifm-geomar.de |
| Stynka II | 12 m | Poland | Sea Fisheries Institute | Włodzimierz Grygel wlodzimierz.grygiel@mir.gdynia.pl |
| Tyra | 13 m | Denmark | Department of Marine Biology, University of Aarhus | Torben Vang torben.vang@biology.au.dk |

| | | | | |
|-------------------------|------|---------|--|--|
| Vilma | 15 m | Estonia | Estonian Marine Institute, University of Tartu | Robert Aps robert.aps@ut.ee |
| Limanda | 12 m | Sweden | Asko Laboratory | Lena Kautski lena.kautsky@smf.su.se |

Regional Ships 23 m to < 55 m

| Name/contact (link to ship information sheet if available) | Length | Country | Infrastructure provider | Contact |
|---|--------|-----------|--|---|
| Alkor# , | 55 m | Germany | Leibniz Institute of Marine Sciences, IFM-GEOMAR | Klas Lackschewitz klackschewitz@ifm-geomar.de |
| Baltica | 42 m | Poland | Sea Fisheries Institute | Włodzimierz Grygiel wlodzimierz.grygiel@mir.gdynia.pl |
| Darius | 23 m | Lithuania | Fishery Research Laboratory, Fishery Department, Ministry of Agriculture | Sarunas Toliulis sarunast@gmail.com |
| Imor | 32 m | Poland | Maritime Institute in Gdansk | Kazimierz Szeffler kaszef@im.gda.pl |
| Heincke# | 55 m | Germany | Alfred-Wegener-Institute for Polar and marine research | Rainer Knust rainer.knust@awi.de |
| KBV 005# | 46 m | Sweden | Swedish Coast Guard, Umea Marine Research Centre | Johan Wikner johan.wikner@umf.umu.se |
| Littorina | 30 m | Germany | Leibniz Institute of Marine Sciences, IFM-GEOMAR | Klas Lackschewitz klackschewitz@ifm-geomar.de |
| Ludwig Prandtl# | 32 m | Germany | Institute of Coastal Research, Helmholtz Centre Geestacht | Volker Dzaak volker.dzaak@hzg.de |

| | | | | |
|--------------------------------|------|-----------|---|---|
| Muikku | 28 m | Finland | Finnish Environment Institute | Juha Flinkman juha.flinkman@ymparisto.fi |
| MS Fyrbyggaren | 46 m | Sweden | Swedish Marine Administration | Lena Kautski lena.kautsky@smf.su.se |
| Oceania# | 49 m | Poland | Institute of Oceanology, Polish Academy of Sciences | Jan Piechura jan.piechura@iopan.gda.pl |
| Ocean Surveyor | 38 m | Sweden | Geological Survey of Sweden | sgu@sgu.se |
| Oceanograf 2 | 23 m | Poland | University of Gdansk | oceak@univ.gda.pl |
| Salme | 32 m | Estonia | Marine Systems Institute, Tallinn University of Technology | Urmas Lips urmas.lips@phys.sea.ee |
| Skagerak | 39 m | Sweden | Sven Lovén Centre for Marine Sciences, University of Gothenburg | Lars Hagström lars.hagstorm@loven.gu.se |
| Vejune/Vejunas** | 24 m | Lithuania | Marine research department, Environmental Protection Agency | Algirdas Stankevičius a.stankevicius@aaa.am.lt |

** to be commissioned end of 2011

=ships operating quite frequently outside the Baltic Sea

Not all ships <25m are suited fully for further offshore, particularly, their time at sea may be limited by the possibility to run two watches. The differentiation between regional and ocean ships comprises some overlapping

Oceanic Ships 55m to < 65 m

| Name/contact (link to ship information sheet if available) | Length | Country | Infrastructure provider | Contact |
|---|--------|---------|---|---|
| Aranda# | 60 m | Finland | Finnish Environment Institute | Juha Flinkman juha.flinkman@ymparisto.fi |
| Elisabeth Mann-Borghese** | 57 m | Germany | Leibniz Institute for Baltic Sea Research No | Ulrich Bathmann ulrich.bathmann@io-warnemuende.de |
| Nawigator XXI | 60 m | Poland | Maritime University of Szczecin | Vice Rector for Maritime Affairs rm@am.szczecin.pl |
| Poseidon# | 61 m | Germany | Leibniz Institute of Marine Sciences, IFM-GEOMAR | Klas Lackschewitz klackschewitz@ifm-geomar.de |

** commissioned mid 2011, rebuilt

=ships operating quite frequently outside the Baltic Sea

Global ships > 65 m (occasionally operating in the Baltic Sea)

| Name/contact (link to ship information sheet if available) | Length | Country | Infrastructure provider | Contact |
|--|--------|---------|--|--|
| Dana# | 78 m | Denmark | DTU Aqua, National Institute of Aquatic Resources, Technical University of Denmark | Hans-Erik Mahnfeldt hmah@qua.dtu.dk |
| Maria S. Merian# | 94 m | | State Mecklenburg- Vorpommern | Detlef Quadfasel detlef.quadfasel@zmaw.de |
| Oden# | 107 m | | Swedish Maritime Administration No | Joakim Lindström joakim.lindstrom@polar.se |

=ships operating quite frequently outside the Baltic Sea

2.2. Ship information sheets

Alkor

Home port: Kiel, Germany

Ship owner: State Schleswig-Holstein

Director or other authority who decides about ship time: pherzig@ifm-geomar.de

Institution and/or shipping agency operating the ship: Leibniz Institute for Marine Research (IFM-GEOMAR), Wischhofstr. 1-3, D 24148 Kiel; www.ifm-geomar.de,

Briese Schifffahrts GmbH&Co.KG, Hafenstrasse 12, D 26 789 Leer

Contact person and/or committee warranting ship time and planning annual cruise schedules: Dr. Klas Lackschewitz, klackschewitz@ifm-geomar.de

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: administration of IFM-GEOMAR

Availability of ships, time slots when the ship is not available, operational area:

Year round considering all applicants and institute obligations, entire Baltic Sea and North Sea

Possibility of joining non-BONUS cruises: Yes, info: klackschewitz@ifm-geomar.de

Period of cruise planning, lead time for application: 1 year, 15th of January of preceding year

Allocation of ship time, quality control, eligibility: Decision by Prof. Schulz-Bull, chair of the steering group on the operation of medium-sized research vessels; successful scientific evaluation; BONUS projects, detlef.schulz-bull@io-warnemuende.de

Present cost for the ship per day at sea: 8500€

Berths for scientist: 12

Cruising speed, range: 11 kn, 4000 nm

Endurance at sea: 21 days

Length: 55m

Major facilities: 4 labs from 8 to 40 m² ; moon pool; 1 container place; diverse lifting gear, winches and cables; seawater system, variety of echo sounders; data distribution; ADCP

Additional infrastructure contributions, its value: on request

Sampling gear

Specific equipment

Specific personal

See also: www.ifm-geomar.de/index.php?id=1052

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

Aranda

Home port: Helsinki, Finland

Ship owner: Finnish Environment Institute, Marine Research Centre/Finnish Meteorological Institute

Director or other authority who decides about ship time: juha.flinkman@ymparisto.fi

Institution and/or shipping agency operating the ship:

Finnish Environment Institute, Marine Research Center, www.itameriportaali.fi/en_GB

VG-Shipping Oy www.vg-shipping.fi/?id=company&lang=en

Contact person and/or committee warranting ship time and planning annual cruise schedules:

panu.hanninen@ymparisto.fi; juha.flinkman@ymparisto.fi

Availability of ship, time slots when the ship is not available, operational area:

Year round considering all applicants and institute obligations, entire Baltic Sea

Possibility of joining non-BONUS cruises: Yes, info: juha.flinkman@ymparisto.fi

Period of cruise planning, lead time for application: 1 year, February of preceding year

Allocation of ship time, quality control, eligibility: Decision one year ahead. All sampling and analysis processes in e.g. HELCOM Combine program QA'd by FINAS, successful scientific evaluation; BONUS projects

Present cost for the ship *per day* at sea: 20.000€

Berths for scientist: 27

Cruising speed, range: 10.5 kn, ca. 12.000 nm

Endurance at sea: 60 days

Length: 60m

Major facilities: lab space 124 m²; container places; diverse lifting gear, winches and cables; seawater system, variety of echo sounders; weather station; data distribution; CTD/Rosette; ADCP etc. Please see:

www.itameriportaali.fi/en/aranda/tekniset_tiedot/en_GB/tekniset_tiedot/

Additional infrastructure contributions, its value: on request

Sampling gear

Specific equipment

Specific personal

Scientific diving (air, mixed gas) and ROV ops

See also: www.itameriportaali.fi/en/aranda/aranda_matkat/en_GB/2011/

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

Aurelia

Home port: Askö Laboratory

Ship owner: Stockholm University Marine Research Centre

Institution and/or shipping agency operating the ship: Askö Laboratory

Person or authority to sign a commitment for access to and use of infrastructure: Director and professor Lena Kautsky, [lena.kautsky@smf.su.se](mailto:lana.kautsky@smf.su.se)

Contact person and/or committee warranting ship time and planning annual cruise schedules: skipper Susann Ericsson, susann.ericsson@smf.su.se

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: Director Lena Kautsky, [lena.kautsky@smf.su.se](mailto:lana.kautsky@smf.su.se)

Availability of ship: Ship is available when it is not used by Swedish researchers, education and monitoring

Operational area and time slots: Operational area mainly local close to the station and in the northern part of the Baltic proper

Possibility of joining cruises of the respective institute: few cruises, but possible to join

Period of cruise planning, lead time for application: application in March of preceding year

Allocation of ship time, quality control, eligibility: -

Present cost for the ship per day at sea: contact the director and see homepage of the Askö Laboratory for information as well as for the points below.

Berth for scientist

Cruising speed

Endurance at sea

Length: 17m

Lab space and equipment*

Acoustics and navigation equipment*

Sampling gear*

*If necessary: Extra costs for using equipment

Legal aspects for scientists: business trip assignment by their employer, liability insurance for larger damage, casualty and health insurance.

Note: the ship is available for BONUS researcher independent on if the BONUS project includes a researcher from Stockholm University or other Swedish research collaborators

See also: www.smf.su.se/askolaboratoriet/

Baltica

Home port: Gdynia, Poland

Ship owners: the National Marine Fisheries Research Institute (NMFRI, former Sea Fisheries Institute in Gdynia) and the Institute of Meteorology and Water Management, Marine Branch in Gdynia.

Director or other authority who decides about ship time: Dr. Tomasz Linkowski, Director of the NMFRI in Gdynia; e-mail: linkowski@mir.gdynia.pl

Institution and/or shipping agency operating the ship:

National Marine Fisheries Research Institute, ul. Kołłątaja 1, 81-332, Gdynia
Poland, sekretariat@mir.gdynia.pl; www.nmfri.gdynia.pl

Contact person and/or committee warranting ship time and planning annual cruise schedules:

linkowski@mir.gdynia.pl

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: grygiel@mir.gdynia.pl and Anna.ochman@mir.gdynia.pl

Availability of ship, time slots when the ship is not available, operational area:

The vessel is available almost a whole year, with the exception of about 3 weeks, usually late spring or summer, needed for vessel technical checking in shipyard, however availability of the vessel is strongly determined by both ship-owners annual surveys plan. Entire Baltic Sea.

Possibility of joining non-BONUS cruises: Yes, but very limited in time, info: wojciech.pelczarski@mir.gdynia.pl;

Period of cruise planning, lead-time for application: 1 year, June of preceding year

Allocation of ship time, quality control, eligibility: Decision by MIR, linkowski@mir.gdynia.pl

Present cost for the ship *per day* at sea: € 4000

Berths for scientist: maximum – 11, but 9 berths - in a case of survey with fish control-catches, life saving equipment is available for maximum 22 persons including both crew and scientific staff members.

Cruising speed, range: max. 9-10 kn,

Endurance at sea: 25-30 days

Length: 52m

Major facilities:

- Biology (dry) laboratory (25 m²),
- Chemical laboratory (20 m²),
- Ichthyology (wet) laboratory (18 m²),
- Physics laboratory (12 m²),
- Meteorology cabin,
- Area for taking samples from the side port and winches,
- 7 on-deck stations for sampling and fishing equipped with a line-cable hydrographic elevator and trawl,
- rotating stern frame (3 tons),
- portable state-of-the-art. research and sampling laboratory and on-deck equipment for physical, chemical, biological and meteorological research and for estimating resources and catch techniques.

Major special equipment:

- the SIMRAD EK-60 scientific, split beam echosounder with the frequencies of 38 and 120 kHz, and the Echo-view software V4.10 type of programme for analysing the records of echointegration,
- Acoustic Doppler Current Profiler: 4 transducers 300 kHz (wide) RDI,
- Variety of sampling and fishing gears
- trawl sonar WESMAR TCS 700E type,

Additional infrastructure contributions, its value: on request

Sampling gears:

- standard CTD Neil Brown probe, type MARK III B (coupled with a bathometer rosette for 12 bottles, 5-liter each bottle - type Niskin 1010),
- portable mini STD/CTD probe, type SD-204,
- plankton nets (WP2, BONGO, Multiplankton Sampler, MIK)
- seafloor sampling gears

See also: www.sfi.gdynia.pl/?page_id=12

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

Two more smaller ships are available from the Sea Fisheries Institute MIR in Gdynia:

Stynka II

Home port: Swinoujscie

17 m coastal ship, open deck, daily cruises, max 14 people including 3 crew, no laboratories, for work in the Odra Lagoon and near shore Odra Bight

Mir 2

Home port: Elblag

7 m coastal ship, open deck motor boat, no laboratories, daily cruises only for work in Vistula Lagoon and Bay of Gdansk.

Elisabeth Mann Borgese

Home port: Rostock, Germany

Ship owner: State Mecklenburg Vorpommern

Director or other authority who decides about ship time: ulrich.bathmann@io-warnemuende.de

Institution and/or shipping agency operating the ship:

Leibniz Institute for Baltic Sea Research (IOW), Seestrasse 15, D 18 119 Rostock www.io-warnemuende.de

Briese Schifffahrts GmbH&Co.KG, Hafenstrasse 12, D 26 789 Leer

Contact person and/or committee warranting ship time and planning annual cruise schedules: johann.ruickoldt@io-warnemuende.de

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: beatrix.blabusch@io-warnemuende.de

Availability of ship, time slots when the ship is not available, operational area:

Year round considering all applicants and institute obligations, entire Baltic Sea

Possibility of joining non-BONUS cruises: Yes, info: johann.ruickoldt@io-warnemuende.de

Period of cruise planning, lead-time for application: 1 year, February of preceding year

Allocation of ship time, quality control, eligibility: QC: successful scientific evaluation and by institute group under leadership of gregor.rehder@io-warnemuende.de ; eligibility: reviewed science, BONUS projects

Present cost for the ship *per day* at sea: 8.000€

Berths for scientist: 12

Cruising speed, range: 11 kn, 4000 nm

Endurance at sea: approx. 14 days

Length: 57m

Major facilities: 7 labs from 8 to 16 m²; moon pool; container places; diverse lifting gear, winches and cables; clean seawater system, variety of echo sounders; weather station; data distribution; ADCP,

Additional infrastructure contributions, its value: on request,

See also: www.io-warnemuende.de/tl_files/forschung/schiffe/datenblatt_emb-2011.pdf

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

See also: www.io-warnemuende.de

Emma

Home port: Klaipeda

Ship owner: emma technologies GmbH

Director or other authority who decides about ship time: Martin Volz

Institution and/or shipping agency operating the ship: Coastal Research and Planning Institute (of Klaipeda university)

Contact person and/or committee warranting ship time and planning annual cruise schedules: Dr. Nerijus Blažauskas, nb@corpi.ku.lt

Contact person for reporting annually about value of the in kind contribution to BONUS: Dr. Nerijus Blažauskas, nb@corpi.ku.lt

Availability of ships, time slots when not the ship is not available, operational area: Available when not in operation; operation area – internal waters and territorial waters (up to 12 nm)

Possibility of joining cruises of the respective institute: Yes

Period of cruise planning, lead time for application: on short notice – always ready to operate

Allocation of ship time, quality control, eligibility:

Present cost for the ship per day at sea: 880 EUR/day

Berths for scientist: No

Cruising speed: working – 2 kn; max – not less than 12 kn. (up to 20 kn)

Endurance at sea: 12 hours

Size: 800/250/35 cm

Additional infrastructure contributions its value: ~2000 EUR/day

Lab space and installed major equipment: Prametric Subbottom Profiler, Combined shallow water Multibeam echosounder/Side Scan Sonar with Motion sensor/Gyrocompass; Electrical winch w 100m tow cable, Power generator 2,9 kW

Acoustics and navigation equipment: Yes

Sampling gear: Yes

Specific equipment: Side scan sonar; ROV; Van Veen grabs; CTD; ADCP; Sediment Trap; Trailer

Specific personal: Helmsman; Hydrographer

Legal aspects for scientists, *inter alia*: business trip assignment by their employer, liability insurance for larger damage, casualty and health insurance: Boat - Insured, Stuff - Not

Frybyggaren

R/V Frybyggaren, 42 m, may be potentially available for supporting research in the Baltic. Interested applicants are advised to contact Lena Kautsky [lena.kautsky@smf.su.se](mailto:lana.kautsky@smf.su.se)

See also: www.smf.su.se/askolaboratoriet/

Geomari

Home port: Espoo, Finland

Ship owner: Geological Survey of Finland

Director or other authority who decides about ship time: jyrki.rantataro@gtk.fi

Institution and/or shipping agency operating the ship:

Geological Survey of Finland, Betonimiehenkuja 4, FI 02150 Espoo. Finland, www.gtk.fi

Contact person and/or committee warranting ship time and planning annual cruise schedules: Mr. Jyrki Rantataro

Availability of ships, time slots when not the ship is not available, operational area:

None ??

Possibility of joining non-BONUS cruises: None

Period of cruise planning, lead time for application:

Allocation of ship time, quality control, eligibility:

Present cost for the ship *per day* at sea: xxxxx€

Berths for scientist: 3

Cruising speed, range: 20 kn, 100 nm

Endurance at sea: 5-7 days

Length: 20m

Major facilities: 1 wetlab ca. 6 m² ; moon pool; 1 lifting gear, 1 winch, variety of acoustic-seismic sounders; data processing

Additional infrastructure contributions, its value: on request,

Sampling gear

Specific equipment

Specific personal

See also: www.gtk.fi

Havfisken II

Ship Havfisken II, to be commissioned in autumn 2012

Home port: not decided yet

Ship owner: Technical University of Denmark (DTU)

Institution and/or shipping agency operating the ship: National Institute of Aquatic Resources (DTU Aqua)

Person or authority to sign a commitment for access to and use of infrastructure: Friedrich W. Köster,
fwk@aquu.dtu.dk

Contact person and/or committee warranting ship time and planning annual cruise schedules: Hans-Erik Mahnfeldt,
hmah@aquu.dtu.dk

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: Helge A. Thomsen, hat@aquu.dtu.dk

Availability of ship: ca. 120 days per year

Operational area and time slots: Baltic south 56° north, 180 days utilisation evenly distributed between March and November, i.e. each month of these month ca. 10 days capacity plus mid January-February

Possibility of joining cruises of the respective institute: standard fisheries and plankton/hydrography surveys: 1-2 additional persons

Period of cruise planning, lead time for application: last quarter of preceding year, filling out holes in the cruise plan can be done with ca. 3 months lead-time

Allocation of ship time, quality control, eligibility: decision by the institute

Present cost for the ship per day at sea : 2.400,- EUR

Berth for scientist: 3-4

Cruising speed: 11 kn

Endurance at sea: 10 days

Length: 17m

Lab space and equipment: 45 m² wetlab, moonpool, A-frame on stern and side

Acoustics and navigation equipment: Simard EK60 multifrequency echosounding system incl. echointegrator, Scanmar hydroacoustic gear operation system

Sampling gear: medium sized physical, chemical and biological oceanography, bottom and pelagic trawling, dredging, mid-sized bottom sampler

Availability of special equipment with prizes for use, if necessary: shallow water ROV's, Triaxus, hydroacoustic equipment (hourly rates for technician)

Legal aspects for scientists, *inter alia*: business trip assignment by their employer and marine life rescuing/fire fighting courses.

See also: www.aquu.dtu.dk

Heincke

Home port: Bremerhaven, Germany

Ship owner: Federal State of Germany.

Director or other authority who decides about ship time: Prof. Dr. Karin Lochte

Institution and/or shipping agency operating the ship:

Alfred-Wegener Institut für Polar- und Meeresforschung, 27570 Bremerhaven, Am Handelshafen 12, Germany
Briese Schifffahrts GmbH&Co.KG, Hafenstrasse 12, D 26 789 Leer

Contact person and/or committee warranting ship time and planning annual cruise schedules: Dr. Rainer Knust, rainer.knust@awi.de / Kpt. Marius Hirsekorn

Contact person for reporting annual value of in kind contribution to BONUS: AWiAdministration

Availability of ships, time slots when not the ship is not available, operational area:

Year round, North Sea, Baltic Sea, North Atlantic

Possibility of joining non-BONUS cruises: Yes, info: rainer.knust@awi.de

Period of cruise planning, lead time for application: 1 year, February of preceding year

Allocation of ship time, quality control, eligibility: Steering group "Middle sized research vessels", Warnemünde detlef.schulz-bull@io-warnemuende.de, decision by successful scientific evaluation

Present cost for the ship *per day* at sea: 9000 €

Berths for scientist: 12

Cruising speed, range: 10 kn, 7500 nm

Endurance at sea: 30 days

Length: 55m

Major facilities: 3 labs (1 thermo lab, 1 dry lab, 1 wet lab) , cold storage (-24°C and -80°C), small moon pool; container places; diverse lifting gear, winches and cables including fishing gear; seawater system, clean water system, div. echo sounders (Kongsberg EM710, Innomar SES-2000, ADCP, Kongsberg EK-60). Data-system: DShip.

Additional infrastructure contributions, its value: on request,

Sampling gear (fishing gear), Specific equipment (none), Specific personal (none)

See also: www.awi.de/de/infrastruktur/schiffe/heincke/

Legal aspects for scientists: liability, insurance for larger damage, casualty and health insurance.

KBV 005

Home port: Härnosand, Sweden

Ship owner: Swedish Coastguard

Director or authority who decides about the ship: ulf.bamstedt@emg.umu.se

Institution and/or shipping agency running the ship: Umeå Marine Science Centre, Umeå University, Norrbyn, SE-910 20, Hörnefors, Sweden, www.umf.umu.se

Contact person and/or committee warranting ship time and plan annual cruise schedules:

johan.wikner@umf.umu.se

Contact person for reporting annual value of in kind contribution to BONUS: johan.wikner@umf.umu.se

Availability of ships, time slots when not the ship is not available, operational area:

Year round considering all applicants and institute obligations, Gulf of Bothnia

Possibility of joining non-BONUS cruises: Yes, info: johan.wikner@umf.umu.se

Period of cruise planning, lead time for application: Research at subsidised cost has to be applied for the 1st of December the year before the expedition. At full daily rate reservation can be made 2 months in advance. Contact UMSC for detailed planning that should be submitted to the ship owner at latest 3 weeks before departure.

Allocation of ship time, quality control, eligibility: Decision by the UMSC board, successful scientific evaluation; BONUS projects

Present cost for the ship *per day* at sea: 5500€ at full cost. 1000€ is the subsidised cost. Contact UMSC for current rates (www.umf.umu.se).

Berths for scientist: 8

Cruising speed, range: 11 kn, 6000 nm

Endurance at sea: 7 days

Length: 45 m

Major facilities: In a semi-stationary container attached to the main building of the ship is a sampling room with a rosette sampler and CTD sound. In the main building common laboratory (2 persons), isotope laboratory (2 persons), chemistry laboratory (2 persons). One laboratory container (4 persons) can be mounted when need on the deck. Also a benthic sampling container can be mounted on the when needed. A smaller deck crane (Palfinger PK14080 MBS, weight capacity 5700 kg (2 m stretch), 1030 kg (11 m stretch), 500 m wire length, remote control) is available as a larger crane (weight capacity 8 metric ton (min stretch) 400 kg (max stretch), max stretch 32 m, 35 m wire length, remote control).

Additional infrastructure contributions, its value: on request,

The collaboration between Umeå Marine Sciences Centre and Coastguard has run for 18 years. This makes the skipper and crew knowledgeable about ship positioning and support during sampling. The ship is equipped with a weather station and deck boat.

See also: [Research Vessel KBV005 - Umeå Marine Sciences Centre \(UMF\) - Umeå University, Sweden](#)

Limanda

Home port: Askö Laboratory

Ship owner: Stockholm University Marine Research Centre

Institution and/or shipping agency operating the ship: Askö laboratory

Person or authority to sign a commitment for access to and use of infrastructure: Director and professor Lena Kautsky, lena.kautsky@smf.su.se

Contact person and/or committee warranting ship time and planning annual cruise schedules: skipper Susann Ericsson, susann.ericsson@smf.su.se

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: Director Lena Kautsky, lena.kautsky@smf.su.se

Availability of ships: Depending on available time when it is not used by Swedish researchers, education and monitoring

Operational area and time slots: Operational area mainly local close to the station and in the northern part of the Baltic proper

Possibility of joining cruises of the respective institute: few cruises but possible to join

Period of cruise planning, lead time for application: application in March of preceding year

Allocation of ship time, quality control, eligibility: -

Present cost for the ship per day at sea: --

contact the director and see homepage of the Askö Laboratory for information as well as for the points below.

Berth for scientist:

Cruising speed:

Endurance at sea:

Length: 12 m

Lab space and equipment*

Acoustics and navigation equipment*

Sampling gear*

*If necessary: Extra costs for using equipment

Legal aspects for scientists: business trip assignment by their employer, liability insurance for larger damage, casualty and health insurance.

Note: the ship is available for BONUS researchers independently on if the BONUS project includes a researcher from Stockholm university or other Swedish research collaborators

See also: www.smf.su.se/askolaboratoriet/

Lotty

Home port: Norrbyn, Sweden

Ship owner: Umeå University

Director or other authority who decides about ship time: ulf.bamstedt@emg.umu.se .

Institution and/or shipping agency operating the ship:

Umeå Marine Science Centre, Umeå University, Norrbyn, SE-910 20, Hörnefors, Sweden, www.umf.umu.se

Contact person and/or committee warranting ship time and planning annual cruise schedules:

johan.wikner@umf.umu.se

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: johan.wikner@umf.umu.se

Availability of ships, time slots when the ship is not available, operational area:

Ice free season (about 1st May-30th Nov.) considering all applicants and institute obligations, Gulf of Bothnia

Possibility of joining non BONUS-cruises: Yes, info: johan.wikner@umf.umu.se

Period of cruise planning, lead time for application: Research at subsidised cost has to be applied for the 1st of December the year before the expedition. At full daily rate reservation can be made 2 weeks in advance if available. Contact UMSC for detailed.

Allocation of ship time, quality control, eligibility: Decision by the UMSC board, successful scientific evaluation; BONUS projects.

Present cost for the ship *per day* at sea: 1400€ at full cost. 350€ is the subsidised cost. Contact UMSC for current rates (www.umf.umu.se).

Berths for scientist: 2

Cruising speed, range: 22 kn, 350 nm, 5 nm from main land, 15 nm from closest harbour.

Endurance at sea: 5 days

Length: 16m

Major facilities: 4 m² with a bench and 220 V current supply. Cargo room of 6 m².

Additional infra structure contributions, its value:

Basic acoustics and navigation equipment: Echo sounder, Electronic Chart System, Global Positioning System.

Sampling gear: Van Veen grabber, Gemini corer, Niskin bottles, CTD sond and plankton nets

See also: [Research Vessel Lotty - Umeå Marine Sciences Centre \(UMF\) - Umeå University, Sweden](#)

Ludwig Prandtl

Home port: Hamburg, Germany

Ship owner: Helmholtz-Zentrum Geesthacht, Zentrum für Material- und Küstenforschung GmbH

Director or other authority who decides about ship time: hvonstorch@web.de

Institution and/or shipping agency operating the ship:

Helmholtz-Zentrum Geesthacht, Zentrum für Material- und Küstenforschung GmbH, Max-Planck-Str. 1, 21502 Geesthacht, www.hzg.de

Contact person and/or committee warranting ship time and planning annual cruise schedules: volker.dzaak@hzg.de

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: volker.dzaak@hzg.de

Availability of ships, time slots when not the ship is not available, operational area:

Year round considering all applicants and institute obligations, Coastal area of the western part of the Baltic Sea

Possibility of joining non-BONUS cruises: ---

Period of cruise planning, lead time for application: 4 month, October of preceding year

Allocation of ship time, quality control, eligibility: QC: successful scientific evaluation and by institute group under leadership of hvonstorch@web.de ; eligibility: reviewed science, BONUS projects

Present cost for the ship *per day* at sea: 2.500 €

Berths for scientist: ---

Cruising speed, range: 10 kn, daily cruise

Endurance at sea: daily cruise, up to 8 scientists

Length: 32m

Major facilities: The vessel is equipped with a dry lab and a wet lab, moon pool, weather station, data communication and distribution, ADCP, multi beam echo sounder, FerryBox, 2 A-frames, folding crane (4t)

Additional infra structure contributions, its value: on request

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

Maria S. Merian

Home port: Rostock, Germany

Ship owner: State of Mecklenburg - Vorpommern

Director or other authority who decides about ship time: Senate commission for oceanography of the Deutsche Forschungsgemeinschaft www.dfg.de

Institution and/or shipping agency operating the ship:

Leitstelle Meteor/Merian, leitstelle@ifm.uni-hamburg.de, detlef.quadfasel@zmaw.de

Briese Schifffahrts GmbH&Co.KG, Hafenstrasse 12, D 26 789 Leer

Contact person and/or committee warranting ship time and planning annual cruise schedules

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: detlef.quadfasel@zmaw.de

Availability of ships, time slots when not the ship is not available, operational area:

Year round considering all applicants and institute obligations, world wide

Possibility of joining non-BONUS cruises: yes, detlef.quadfasel@zmaw.de and respective senior scientists

Period of cruise planning, lead time for application: 2 to 3 years, application twice a year

Allocation of ship time, quality control, eligibility: by senate commission of DFG, Sekom.Ozean@marum.de

Present cost for the ship *per day* at sea: 18 000 to 20 000 €

Berths for scientist: 23

Cruising speed, range: 12-15 kn, 7 500 nm

Endurance at sea: 35 days

Length: 95m

Major facilities: several heavy and light lifting gear, variety of winches, deep sea cables up to 6000m, moon pool, seawater system, modern navigation, dynamic positioning, weather station, data communication and distribution, ADCP, multi beam echo sounder, FerryBox, 2 A-frames, folding crane (4t), Schiebebalken; cool rooms;

Laboratory space: 92 m²

Additional infrastructure contributions, its value: on request

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

Muikku

Home port: Helsinki/Turku, Finland

Ship owner: Finnish Environment Institute, Marine Research Center

Director or other authority who decides about ship time: juha.flinkman@ymparisto.fi

Institution and/or shipping agency operating the ship:

Finnish Environment Institute, Marine Research Center, www.itameriportaali.fi/en_GB

VG-Shipping Oy www.vg-shipping.fi/?id=company&lang=en

Contact person and/or committee warranting ship time and planning annual cruise schedules:

panu.hanninen@ymparisto.fi; juha.flinkman@ymparisto.fi

Availability of ships, time slots when the ship is not available, operational area: April to October, considering all applicants and institute obligations, Finnish coastal areas.

Possibility of joining non BONUS-cruises: Yes, info: juha.flinkman@ymparisto.fi

Period of cruise planning, lead time for application: 1 year, February of preceding year

Allocation of ship time, quality control, eligibility: Decision by 1 year ahead. All sampling and analysis processes in e.g. HELCOM Combine program QA'd by FINAS, successful scientific evaluation; BONUS projects

Present cost for the ship *per day* at sea: 3000€

Berths for scientist: 8-10

Cruising speed, range: 10 kn, ca. 1000 nm

Endurance at sea: 10 days

Length: 28m

Major facilities: lab space 17 m²; diverse lifting gear, winches and cables; seawater system, variety of echo sounders; weather station; data distribution; CTD/Rosette. Please see

www.itameriportaali.fi/en/tutkimus/muikku/en_GB/muikku

Additional infra structure contributions, its value: on request,

Sampling gear

Specific equipment

Specific personal

Scientific diving (air, mixed gas) and ROV ops

See also: www.ymparisto.fi/muikku

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

Oceania

Home port: Gdańsk, Poland

Ship owner: Institut of Oceanology PAS

Director or other authority who decides about ship time: Janusz Pempkowiak pempa@iopan.gda.pl

Institution and/or shipping agency operating the ship: Institut of Oceanology PAS, Powstańców Warszawy 55, 81-712 Sopot, Poland

Contact person and/or committee warranting ship time and planning annual cruise schedules: Regina Terlecka terlecka@iopan.gda.pl

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: terlecka@iopan.gda.pl

Availability of ships, time slots when not the ship is not available, operational area: 120 days, Baltic Sea, European Arctic Seas.

Possibility of joining cruises of the respective institute: yes, info terlecka@iopan.gda.pl

Period of cruise planning, lead time for application: 1 year

Allocation of ship time, quality control, eligibility: Decision by pempa@iopan.gda.pl successful scientific evaluation, BONUS project

Present cost for the ship per day at sea: 4,5K Eur.

Berths for scientist: 14

Cruising speed: 10

Endurance at sea: 30 days

Length: 49m

Additional infra structure contributions its value:

Lab space and installed major equipment: 47 m² (wet, dry labs, computer room) CTD, Vm ADCP, winches, Krane

Acoustics and navigation equipment*: echo sounders, sonar, DGPS, radars, ECDIS 4000

Sampling gear: Rosette, butometers, boxcorer, plankton nets, Van Veen bottoms sampler, Nemisto sediment sampler

Specific equipment: CTD, LADCP

Specific personal: scientific equipment operators

Legal aspects for scientists: business trip assignment by their employer – yes; liability insurance for larger damage – yes; casualty and health insurance - yes.

See also: www.iopan.gda.pl

Oden

Home port: Norrköping, Sweden

Ship owner: Swedish Maritime Administration

Director or other authority who decides about ship time: Swedish Polar Research Secretariat

Institution and/or shipping agency operating the ship: no

Contact person and/or committee warranting ship time and plan annual cruise schedules: Joakim Lindström,
joakim.lindstrom@polar.se

Contact person for information needed for mode of financing and of cost calculation for the in-kind contribution and for external audit: Joakim Lindström, joakim.lindstrom@polar.se

Availability of ships, time slots when not the ship is not available, operational area: Ship is available from 1st of May until 31st of December in general. Other times upon request.

Possibility of joining non- ONUS-cruises: YES

Period of cruise planning, lead time for application: varies, normally 9 months

Allocation of ship time, quality control, eligibility:

Present cost for the ship per day at sea: About 37 000 euro + fuel, oil etc.

Berths for scientist: About 42

Cruising speed, range: 16 knot

Endurance at sea: 100 days, worldwide

Length: 107 meter

Major facilities: several saunas, gym, cinema, several relaxing areas, conference rooms, office facilities, large dining area, etc.

Additional infra structure contributions, its value: Lab space and installed major equipment: 60 meters laboratory benches in many different laboratory areas, seawater intake, most winches for bottomsampling, CTD, Moon Pool, Multibeam and subbottom profiler of world class, for use down to 8000 meters, large-scale IT systems to store and access to various data. Weather data via satellite. Satellite-communications for email, telephone, internet etc....

Acoustics and navigation equipment: See above

Sampling gear: CTD, Piston coring, dredging etc....

Specific equipment: World class Multibeam suitable for all waters

Specific personal: Very experienced crew for research in polar areas.

Legal aspects for scientists: accepted in health

See also: www.polar.se/en/research/logistics/vessels

Poseidon

Home port: Kiel, Germany

Ship owner: State Schleswig-Holstein

Director or other authority who decides about ship time: pherzig@ifm-geomar.de

Institution and/or shipping agency operating the ship:

Leibniz Institute for Marine Research (IFM-GEOMAR), Wischhofstr. 1-3, D 24148 Kiel
www.ifm-geomar.de, Briese Schifffahrts GmbH&Co.KG, Hafenstrasse 12, D 26 789 Leer

Contact person and/or committee warranting ship time and planning annual cruise schedules: Dr. Klas Lackschewitz,
klackschewitz@ifm-geomar.de

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: IFM-GEOMAR administration

Availability of ships, time slots when not the ship is not available, operational area:

Year round considering all applicants and institute obligations, entire Baltic Sea and North Sea

Possibility of joining non-BONUS cruises: Yes, info: klackschewitz@ifm-geomar.de

Period of cruise planning, lead time for application: 1 year, 15th of January of preceding year

Allocation of ship time, quality control, eligibility: Decision by Prof. Schulz-Bull, chair of the steering group on the operation of medium-sized research vessels; successful scientific evaluation; BONUS projects; Detlef.Schulz-Bull@io-warnemuende.de

Present cost for the ship per day at sea: 10,500€

Berths for scientist: 11

Cruising speed, range: 9 kn, 5000 nm

Endurance at sea: 24 days

Length: 61m

Major facilities: 4 labs from 10 to 37 m² ; moon pool; 1 container place; diverse lifting gear, winches and cables; seawater system, variety of echo sounders; data distribution; ADCP, Additional infra structure contributions, its value: on request,

Sampling gear

Specific equipment

Specific personal

See also: www.ifm-geomar.de/index.php?id=1028

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance.

Salme

Home port: Tallinn (Lennusadam), Estonia

Ship owner: Tallinn University of Technology (TUT)

Director or other authority who decides about ship time: Marine Systems Institute at TUT, Akadeemia 15a, 12618 Tallinn, Estonia, Director Jüri Elken

Institution and/or shipping agency operating the ship:

Marine Systems Institute at TUT, Akadeemia 15a, 12618 Tallinn, Estonia, msi@msi.ttu.ee

Contact person and/or committee warranting ship time and planning annual cruise schedules: Urmas Lips, scientific coordinator of research vessel

Contact person for information needed for mode of financing and of cost calculation for the in kind contribution and for external audit: Urmas Lips

Availability of ships, time slots when the ship is not available, operational area:

Ship is available from April until January considering weather conditions and institute obligations, in February-March the availability depends upon ice conditions; operational area is the entire Baltic Sea

Possibility of joining non-BONUS cruises: Yes

Period of cruise planning, lead time for application: December of preceding year

Allocation of ship time, quality control, eligibility: Decision by the Commission consisting of Heads of Department and Director of the Marine Systems Institute; scientific evaluation of applications for the ship-time financially supported by the institute, other cruises/activities depend on project funding.

Present cost for the ship *per day* at sea: 2320 € (including VAT 20 %)

Berths for scientist: 12

Cruising speed, range: 9 knots, 1000 nm

Endurance at sea: 7 days

Length: 32m

Major facilities: wet laboratory and dry laboratory, seminary room, operator working place, storage room, two winches (including a cable winch), crane, and an A-frame; laboratory equipment for treatment and analyses of samples (including fume hood, destillator (reverse osmosis), deep freezers) and data retrieval from CTD probes, CTD/Rosette and towable CTD.

Additional infrastructure contributions, its value: upon request

Sampling gear: water sampling array General Oceanics Coastal CTD/Mini-Rosette (Model 1018) with 12 bottles of 1.7 litres each; phytoplankton net;

Specific equipment: Idronaut OCEAN SEVEN 320Plus WOCE-CTD Multiparameter Probe including Idronaut Dissolved Oxygen Sensor and Seapoint Chlorophyll Fluorometer;; towable CTD (Neil Brown Mark III) with chlorophyll a and phycocyanin fluorometers (TriOS); Sea-Bird SBE 19plus CTD probe equipped with SBE 43 oxygen sensor, WETLabs WETStar fluorometer and WETLabs ECO NTU turbidity sensor; filtering devices

Specific personal: crew up to 6 persons including an engineer working with measurement devices

See also: www.msi.ttu.ee/index.php?toc=48&pg=798

www.rvinfobase.eurocean.org/spec/vessel1.jsp

Legal aspects for scientists: business trip assignment by their employer, liability, insurance for larger damage, casualty and health insurance – scientists are participating in cruises as passengers.

Skagerak

Home port: Kristineberg, Sweden

Ship Owner: University of Gothenburg

Director or other authority who decides about ship time: ola.bjorlin@loven.gu.se

Institution and/or shipping agency operating the ship: The Sven Lovén Centre for Marine Sciences, Kristineberg 566, 451 78 Fiskebäckskil. www.loven.gu.se

Contact person and/or committee warranting ship time and planning annual cruise schedules:

berne.petersson@loven.gu.se

Contact person for reporting annual value of in kind contribution to BONUS: katarina.abrahamsson@gu.se

Availability of ships, time slots when the ship is not available, operational area:

Year round considering all applicants and university obligations in Skagerrak, Kattegat and the Baltic.

Possibility of joining non-BONUS cruises: Yes

Period of cruise planning, lead time for application: All year round and only in open water.

Allocation of ship time, quality control, eligibility: Distribution of vessel utilization is limited by the university. Quality and access control, and shipyard visits are approximately one month a year usually in the month of January.

Present cost for the ship/day at sea. Cost of vessel hire is dependent on the total traffic over time. Traffic in the surrounding area, when the ship returns to home port within 12 hours, is the costs 17000 SEK per day.

Around the clock service, will cost 12400 SEK extra per day. For services in excess of 7 days left quotation. Costs for fuel and meals on board (195 SEK) are added. Lessee is responsible for port charges in the harbour. The costs and fuel costs given do not include VAT.

Berths for scientist: 10

Cruising speed, range: 11 kn

Endurance at sea: 14 days

Length: 39m

Major facilities: 5 lab with a total area of 60m², diverse lifting gear, winches and cables, CTD, ADCP,

Additional infrastructure contributions, its value: on request,

Sampling gear:

Specific personal:

See also: www.loven.gu.se/fartyg

3. Inventory of field stations

Summary table

| Name of the Station | Country | Infrastructure provider | Contact | Adjacent Baltic Sea area |
|--|---------|--|--|----------------------------|
| Biological Station Hiddensee | Germany | University of Greifswald | blindi@uni-greifswald.de | Arcona Sea, boddens |
| Biological Station Zingst | Germany | University of Rostock | Rhena Schumann rhena.schumann@uni-rostock.de | Arcona Sea, boddens |
| Helsingør laboratories of Department of Biology | Denmark | University of Copenhagen | Jens Erik Nybo Larsen jenslarsen@bio.ku.dk | Øresund |
| Training Center of the National Environmental Research Institute (NERI), Aarhus University | Denmark | Aarhus University | Bo Riemann bri@dmu.dk TBC | Roskilde Fjord, Kattegat |
| Marine Biological Research Centre in Kerteminde | Denmark | Institute of Biology, University of Southern Denmark | Hans Ulrik Riisgård hur@biology.sdu.dk | Kerteminde Bight, Belt Sea |
| Bothnian Bay Research Station | Finland | University of Oulu | Erja Vaarala erja.vaarala@oulu.fi | Bothnian Bay |
| Husö Biological Station | Finland | Åbo Akademi University | Johanna Mattila jmattila@abo.fi | Archipelago Sea |
| Nåtö Biological Station | Finland | Societas pro Fauna et Flora Fennica | Tomas Lehecka tomas.lehecka@helsinki.fi | Archipelago Sea |
| Valsörarnas Biologiska Station (Biological Station of the Whale islands) | Finland | Ostrobothnia Australis r.f. /Österbottens museum | oa@oa.fi | Bothian Sea |
| Rymättylä Fisheries Research Station | Finland | Finnish Game and Fisheries Research Institute | Finnish Game and Fisheries Research Institute Luotojentie 525 FI-21150 Röölä, Finland Phone +358 205 7511 Fax +358 205 751 739 | Archipelago Sea |
| Archipelago Research Institute | Finland | University of Turku | Jari Hänninen jari.hanninen@utu.fi | Archipelago Sea |
| Tvärminne Zoological Station | Finland | University of Helsinki | tvarminne-zool@helsinki.fi | Fulf of Finland |

| | | | | |
|--|-----------|---|--|---|
| Biology field station Kolka | Latvia | University of Latvia | Uldis Kondratovics Uldis.kondratovics@lu.lv | Gulf of Riga, Irbe Strait |
| Vente hydrobiological field station | Lithuania | Institute of Ecology, Nature Research Centre, University of Vilnius | Linas Lozys lozys@ekoi.lt Rimantas Repecka repecka@ekoi.lt | Curonian Lagoon |
| Rusne ichthyological field station (River Nemunas Delta) | Lithuania | Institute of Ecology, Nature Research Centre, University of Vilnius | Linas Lozys lozys@ekoi.lt Rimantas Repecka repecka@ekoi.lt | Curonian lagoon |
| Sventoji ichthyological field station (Baltic Sea) | Lithuania | Institute of Ecology, Nature Research Centre, University of Vilnius | Linas Lozys lozys@ekoi.lt Rimantas Repecka repecka@ekoi.lt | Eastern Gotland Basin |
| The National Marine Fisheries Research Institute Gdynia Aquarium | Poland | National Marine Fisheries Research Institute | Artur Krzyzak akrzyzak@mir.gdynia.pl | Puck Bay, Gulf of Gdansk |
| Department of Fisheries Oceanography and Marine Ecology | Poland | National Marine Fisheries Research Institute | Piotr Margonski pmargon@mir.gdynia.pl | Puck Bay, Gulf of Gdansk |
| Research Station in Świnoujście | Poland | National Marine Fisheries Research Institute | Tadeusz Krajniak tkrajniak@mir.gdynia.pl | Bornholm Basin |
| Coastal Research Station at Lubiatowo | Poland | Institute of Hydro-Engineering of the Polish Academy of Sciences | R. Ostrowski rafal.o@ibwpan.gda.pl Z. Pruszek zbig@ibwpan.gda.pl | Puck Bay, Gulf of Gdansk |
| Hel Marine Station | Poland | Institute of Oceanography University of Gdańsk | hel@ug.edu.pl | Puck Bay, Gulf of Gdansk |
| Fishery Research Station, Älvkarleby | Sweden | Swedish University of Agricultural Sciences | Bjarne Ragnarsson bjarne.ragnarsson@slu.se | Southern Bothnian Sea |
| ASKÖ Laboratory | Sweden | Marine research Centre, Stockholm University | asko@smf.su.se | Western Gotland Basin, Northern Baltic Proper |
| Sven Lovén Centre for Marine Sciences (SLC) | Sweden | University of Gothenburg | Ola Björilin ola.bjorlin@loven.gu.se | Gullmarfjord, Kattegat |
| Klubban Biological Station | Sweden | Uppsala University | Torgny Persson Torgny.Persson@ibg.uu.se | Gullmarfjord, Kattegat |
| Umeå Marine Sciences Centre Field Station | Sweden | Umeå University | Monica Johansson info@umf.umu.se | Northern Bothnian Sea |

| | | | | |
|--|--------|---|--|------------------------------------|
| Ar Research Station | Sweden | Gotland University | Anders Nissling anders.nissling@hgo.se Bertil Widbom bertil.widbom@hgo.se | Western Gotland Basin |
| Linnaeus University, Kalmar, Department of Marine sciences | Sweden | School of Natural Sciences, Linnaeus University | Edna Granéli edna.graneli@lnu.se | Kalmarsound, Western Gotland Basin |

| | | |
|---|---|---|
| Name of the station | Biological Station Hiddensee (University of Greifswald) | |
| Contact information | Biologische Station Hiddensee (Uni Greifswald) Biologenweg 15 18 565 Kloster Tel: +49 038300 50251 e-mail: blindi@uni-greifswald.de www.mnf.uni-greifswald.de/institute/fr-biologie/biologische-station-hiddensee.html | |
| Nation | DE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | J, R | |
| Specific conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | Research (R) ; Education (E) | |
| Capacity for researchers / person | Accommodation is available in several cottages and in the "Doktorandenhaus". Special topics suitable for qualifications (diploma thesis, master thesis) are: stoneworts, halophytic plants, aquatic ecology, coastal dunes. | |
| Financing models % public funding (P), % PPP (M), % commercial © | | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Course laboratory with basic equipment. | F |
| Geological instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and data processing equipment (e.g. computer, printer) | | |
| Other scientific equipment | | |
| | Further equipment: see www.biologische-station.uni-greifswald.de | |

Updated 28.10.2011

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|---|---|---------------------------------------|
| Name of the Station | Biological Station Zingst (University of Rostock) | |
| Contact Information | Biologische Station Zingst (Universität Rostock) Mühlenstraße 27 18374 Ostseeheilbad Zingst Tel: 038232/8910-21/-24 Fax: 038232/8910-22 e-mail: henning.baudler@uni-rostock.de (to 2012 June), rhen.schumann@uni-rostock.de (from 2012 June) www.bsz.uni-rostock.de/ www.angewandteoekologie.uni-rostock.de/stationzingst/ | |
| Nation | DE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | J, R | |
| Price/ day (€/ points) | depends on cooperation and affiliation | |
| Specific Conditions for usage | depends on request | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E | |
| Capacity for researchers / Person | 14 | |
| Financing models % public funding (P), % PPP (M), % commercial © | P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Fully equipped laboratories: Continuous Flow Analyzer: Flowsys 010 (ALLIANCE) for ammonium, nitrite, nitrate, phosphate, centrifuge Rotina 35 (Hettich), muffle kiln (Heraeus Instr.), cabinet dryer ED 053 (Binder), Laminar box BDK, flue (Weidner), de-ionizer TKA MicroPure UV, ultrasonic cleaning SONOREX (Bandelin), electronic balance CP323S-OCE (SATORIUS), photometer XION 500 (DRLANGE) and Spekol 1100 (ANALYTIK JENA), microscopes BH-2+RFCA (UV and green excitation), CH-2+CCD camera (OLYMPUS), filtration facilities, exhauster, basic chemicals | F |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | Equipment for field measurements: Corer, GPS, watersamplers:-acc. to Ruttner (HYDROBIOS), - Limnos (LIMNOS), sediment sampler: bottom sampler acc. to Ekman-Birge, Plankton net acc. to Apstein, visibility disc acc. to Secchi, Equipment HQ30d (HACH LANGE) for Salinity, Oxygen, pH, water temperature. Equipment for monitoring of the station: Sensors for continuous (10 minutes intervals) record: wind, airtemperature, global radiation, PAR, water temperature, salinity, oxygen, pH (WTW and HachLange). | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Server, computers | |

Other Scientific Equipment

Research vessel for lagoon (9.5 m long):
sensors for continuous record of profiles: salinity, temperature, current (3D), turbidity, oxygen, pH.
underwater light climate

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Updated 31.10.2011

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|---|--|---------------------------------------|
| Name of the Station | Helsingør laboratories of Department of Biology University of Copenhagen | |
| Contact Information | Department of Biology University of Copenhagen Strandpromenaden 5 DK-3000 Helsingør Tel: +45 35321950, Fax: +45 35321951 bio@bio.ku.dk Jens Erik Nybo Larsen jenslarsen@bio.ku.dk | |
| Nation | DK | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Price/ day (€/ points) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | | |
| Capacity for researchers / Person | | |
| Financing models % public funding (P), % PPP (M), % commercial © | | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Almost 1000m ² laboratory and office space: Flowcytometry, Molecular laboratory (RNA/DNA), Bioimaging: Light-, transmission-, scanning-, confocal laser scanningmicroscopy and live imaging, Respirometry, Radio isotope facilities, Algae culture collection and copepod egg production, Recirculating seawater system with sandfilters, protein skimmers, ozone and uv and a capacity of 25 m3/h and 240 m3 in total. App. 30 psu and temperature controlled at 10 and 5 degrees Celsius, 2 large wetlabs for experimental work and climate rooms (2-25 degrees celsius) | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | an auditorium and a workshop 4 vessels/boats for research and collection including trawling- and dredging gear, coresampler, Van Veen sampler, CTD (SBE25), video and diving, 240V outlet and salt water pump. | |

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|--|---|---------------------------------------|
| Name of the Station | Training Center of the National Environmental Research Institute (NERI), Aarhus University | |
| Contact Information | National Environmental Research Institute (NERI) Department of Marine Ecology, Aarhus University Frederiksborgvej 399 P.O. Box 358 DK 4000 Roskilde, Denmark | |
| Nation | DK | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E | |
| Capacity for researchers / Person | | |
| Financing models % public funding (P), % PPP (M), % commercial © | P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimitoe-, Rumohr corer, Dredge System, water and sediments samplers...) | Chemical and biological laboratory ICP-MS, AAS, GF, Nutrient, autoanalyser, GC, HPLC with various detectors, fluorometers, spectrophotometers, PCR, DGGE, microscopes including fluorescence microscope, salinometer, etc. | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | | |

Updated 28.10.2011

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|---|--|------------------------------------|
| Name of the Station | Marine Biological Research Centre in Kerteminde (Institute of Biology, University of Southern Denmark) | |
| Contact Information | Marine Biological Research Center University of Southern Denmark Hindsholmvej 11 5300 Kerteminde Leader: Professor Hans Ulrik Riisgård Tel/ fax: + 45 6532 1433 E-mail: hur@biology.sdu.dk http://marbio.sdu.dk | |
| Nation | Denmark | |
| Availability: Restricted (R), Joint (J), Barter (B), Charter (C) | J | |
| Price/ day (€/ points) | After agreement. | |
| Specific Conditions for usage | Depending on the nature of the project, agreement for using facilities, animals et cetera should be made in advance. | |
| Use of the station for: Research (R) , Monitoring (M) , Education (E) | R, E | |
| Capacity for researchers / Person | 5 | |
| Financing models: % public funding (P), % PPP (M), % commercial © | 100 % public | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T), Fixed (F) |
| Laboratories: | Modern laboratories, teaching rooms, aquaria rooms with running seawater, "wet laborarory", microscopes, electronical particle counters, fluorometers, spectrophotometers, underwater video systems, marine bioacoustic laboratory, harbour seals and harbour porpoises trained for scientific research. | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Computers and printers are available | |
| Other Scientific Equipment | A couple of small boats belong to the centre | |

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|---|--|--|
| Name of the Station | Bothnian Bay Research Station (University of Oulu) | |
| Contact Information | Bothnian Bay Research Station Marjanientie 783 FI-90480 Hailuoto Finland e-mail: tommi.lepisto@oulu.fi Postal address: Bothnian Bay Research Station Department of Biology PB 3000 FI-90014 University of Oulu Finland | In Linnanmaa campus area: Tel: +358 8 5531570 Fax: +358 8 5531584 e-mail: pta@oulu.fi Erja Vaarala, office secretary Tel: 08 5531570 Fax: 08 5531584 e-mail: erja.vaarala@oulu.fi |
| Nation | FI | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | E, R | |
| Capacity for researchers / Person | The research station accommodates up to 80 persons in summer and 60 in winter. | |
| Financing models % public funding (P), % PPP (M), % commercial © | P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | | F |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | two field laboratories with standard equipment and sampling gear mainly for aquatic research | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | AV equipment, PCs with internet connections and a reference library | |
| Other Scientific Equipment | Transport includes a research vessel, three motorboats, a snow mobile and a cross-country vehicle | |

Updated 28.10.2011

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| Name of the Station | Husö Biological Station (Åbo Akademi) |
| Contact Information | Husö Biological Station Bergövägen 713 22220 Emkarby ÅLAND, FINLAND Head of the Station Johanna Mattila (PhD) Tel: Winter +358 2 215 4384 Summer +358 18 373 121 E-mail: jmattila(at)abo.fi www.abo.fi/huso |
| Nation | FI |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | R |
| Price/ day (€/ points) | The price is dependent of the purpose of the work and affiliation of persons involved |
| Specific Conditions for usage | Joint projects with researchers at Åbo Akademi University, very limited capacity for outside quests |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E |
| Capacity for researchers / Person | 25 during the field season (April-October) |
| Financing models % public funding (P), % PPP (M), % commercial © | 96% public, 4% commercial |

| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
|---|---|---|
| Laboratories: | nutrient lab, water lab and benthos and fish labs | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | Small vessels for coastal use, Ekman grabs, Limnos samplers (water & sediment), GPS-instruments, echosounders | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Several computers and printers available | |
| Other Scientific Equipment | aquarium hall where experimental research is conducted | |

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|---|---|---|
| Name of the Station | Nåtö Biological Station | |
| Contact Information | <p>Nåtö Biological Station, Societas pro Fauna et Flora Fennica Nåtö biologiska station Järsövägen 375, 22100 MARIEHAMN</p> <p>Amanuensis: Tomas Lehecka Phone: +358 (0)18-54140 (only during field season), +358 (0)40-7534674 E-mail: tomas.lehecka@helsinki.fi</p> | |
| Nation | FI | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, | |
| Capacity for researchers / Person | 12 persons during field season | |
| Financing models % public funding (P), % PPP (M), % commercial © | Private | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | | |

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|---|--|---|
| Name of the Station | Valsörarnas Biologiska Station (Biological Station of the Whale islands) | |
| Contact Information | Ostrobothnia Australis r.f. / Österbottens museum Museigatan 3 65100 Vasa +358-(0)6-3253792 oa(at)oa.fi | |
| Nation | FI | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M | |
| Capacity for researchers / Person | | |
| Financing models % public funding (P), % PPP (M), % commercial © | private | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | | |

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|---|--|---------------------------------------|
| Name of the Station | Rymättylä Fisheries Research Station (Finnish Game and Fisheries Research Institute) | |
| Contact Information | Finnish Game and Fisheries Research Institute Luotojentie 525 FI-21150 Röölä, Finland Phone +358 205 7511 Fax +358 205 751 739 | |
| Nation | FI | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R | |
| Capacity for researchers / Person | | |
| Financing models % public funding (P), % PPP (M), % commercial © | P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | inside rearing basins and open sea nets for aquaculture | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | | |

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|---|--|---------------------------------------|
| Name of the Station | Archipelago Research Institute (University of Turku) | |
| Contact Information | Archipelago Research Institute Luonnontieteidentalo II FI-20014 UNIVERSITY OF TURKU FINLAND Tel +358-2-333 5933 Fax +358-2-333 6592 Station manager Jari Hänninen +358-2-333 5934/ +358-2-333 9010 email: jari.hanninen@utu.fi www.seili.utu.fi/en | |
| Nation | FI | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | R, J | |
| Price/ day (€/ points) | ~30-50€/day (incl. VAT) | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E | |
| Capacity for researchers / Person | accomodation for 70 persons | |
| Financing models % public funding (P), % PPP (M), % commercial © | P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | spectrophotometer (Shimadzu UV-160), laboratory centrifuge, extraction equipment, centrifuge, cold desiccator, drying oven, kiln, warming cupboards, evaporator, vacuum pump (Millipore), pH-, conductivity and oxygen meters, redox-meter, thermophores cooling water baths, analysis scale, autoclave, light microscopes, preparation microscopes, inverted microscopes, light devices for microscopes, precision scales, etc. | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | sampling equipment for benthos (Van Veen, Ekman-Birke), sampling equipment for sediment (Niemistö, Limnos, Ruttner, Van Veen), sediment collectors, 20 pairs (made of Teflon, also suitable for PCB- investigations), Acasis seine (a sampler resembling a hoop net, dragged along the bottom), sieves, nets, shore sieve, plankton nets (10, 25, 50, 100, 150 µm), GULF trawl, fry trawl, fry net, earth drill, etc. | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | working stations, network printer, scanner, etc. | |
| Other Scientific Equipment | air compressors for diving tanks, miscellaneous diving equipment | |

Updated 28.10.2010

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| Name of the Station | Tvärminne Zoological Station (University of Helsinki) |
| Contact Information | J.A. Palménin tie 260 10900 HANKO Tel. (019) 28011 fax (019) 280122 tvärminne-zool@helsinki.fi http://luoto.tvärminne.helsinki.fi/english/index.htm |
| Nation | FI |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | |
| Price/ day (€/ points) | Bench fee ca 4 – 8 € / day depending on facilities required + per unit fees for eg. laboratory-analyses and boat usage according to price-list. |
| Specific Conditions for usage | The station welcomes visiting groups for research at the station, within the economic and other conditions that apply. |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E |
| Capacity for researchers / Person | Accommodation for 60-90 persons |
| Financing models % public funding (P), % PPP (M), % commercial © | PPP |

| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
|---|---|---|
| Laboratories: | Several laboratories equipped for e.g.: C/N analysis (particulate and liquid samples), spectroscopy, electrophysiological studies, radio-isotope analyses (liquid scintillation; class C) and molecular analyses. Separate rooms for vacuum filtration and for microscopy (dark and light), are also available, as well as sample pre-treatment rooms. The laboratories are provided with 220 V AC (a few with 380 V AC), tap water, sea water (ca. 6 ‰), compressed air, and Milli-Q or equivalent water purification. Experimental facilities include aquarium rooms and climate chambers (adjustable artificial light, temperature), and two separate aquarium buildings (natural light and temperature) with sea-water flow-through system. | F |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Niemistö-, Rumohr corer, Dredge System, water and sediments samplers...) | Variety of sediment-corers, including GeMax gravity-corer; variety of water-samplers, including Limnos- and Ruttner-type. | T |
| Archiving and Data Processing Equipment (e.g. computer, printer) | GIS-laboratory. | F |
| Other Scientific Equipment | | |

Update 31.10.2011

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|---|---|---|
| Name of the Station | Biology field station Kolka Station is located on the coast on the tip of Kolka peninsula, equally convenient for coastal studies in the Gulf of Riga and the Strait of Irbe | |
| Contact Information | Dr. Uldis Kondratovics, Associate professor, Faculty of Biology, University of Latvia (UL) Uldis.kondratovics@lu.lv Phone +37129103991 Fax +37167034862 | |
| Nation | Latvia | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | J/B/C, station is normally restricted to the UL study programmes in June - August | |
| Price/ day (€/ points) | 3 € / day | |
| Specific Conditions for usage | Self catering, wood heating, own bedlinen, own equipment, usage of mechanized vehicles outside general roads; in the beach zone and territory of Slitere National park is pending a specific permission. Accommodation not available during winter season (Nov – Feb) | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, E, M (station is used for coastal fish and vegetation monitoring) | |
| Capacity for researchers / Person | Around 70 | |
| Financing models % public funding (P), % PPP (M), % commercial (C) | 100% P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | 3 general purpose lab rooms, auditorium | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | none | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Wi-Fi, printer available | |
| Other Scientific Equipment | none | |

Updated 28.10.2010

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|--|---|---|
| Name of the Station | Vente hydrobiological field station (Curonian Lagoon (Baltic Sea)) Rusne ichthyological field station (River Nemunas Delta) Sventoji ichthyological field station (Baltic Sea) | |
| Contact Information | Institute of Ecology of Nature Research Centre Akademijos str. 2, LT-08412 Vilnius, Lithuania Contact persons: Linas Lozys e-mail: lozys@ekoi.lt Rimantas Repecka, e-mail: repecka@ekoi.lt www.ekoi.lt | |
| Nation | LT | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Price/ day (€/ points) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E | |
| Capacity for researchers / Person | 1- 6 person; 2- 6 person; 3- 4 person | |
| Financing models % public funding (P), % PPP (M), % commercial © | 100% P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | CleanLab Containers, student training centres. | F |
| Biological Instrumentation: (e.g..) | Hydrobiological and ichthyological equipment, water samplers, gears for fishing, ichthyoplankton samplers, etc. | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Data Center, Biological collections. | |
| Other Scientific Equipment | other research facilities, ship for 5 persons and boats. | |

Updated 28.10.2011

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|--|---|---------------------------------------|
| Name of the Station | The NMFRI Gdynia Aquarium (The National Marine Fisheries Research Institute Gdynia Aquarium) | |
| Contact Information | The NMFRI Gdynia Aquarium <i>National Marine Fisheries Research Institute</i> al. Jana Pawła II 1 PL-81-345 Gdynia, Poland www.aquarium.gdynia.pl akrzyzak@mir.gdynia.pl | |
| Nation | PL | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | R, but possibly C | |
| Price/ day (€/ points) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | E | |
| Capacity for researchers / Person | Up to 2-3 groups (max 30 persons at a time) | |
| Financing models % public funding (P), % PPP (M), % commercial © | 50%C; 50%P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Three laboratories designed for education purposes: Two laboratories supplied with 60 microscopes for education purposes and one laboratory adjusted for water chemistry analysis and educational aims, equipped with spectrophotometer, triocular and conductometer | F |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Computers, printers available | |
| Other Scientific Equipment | | |

Updated 28.10.2011

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|--|--|---------------------------------------|
| Name of the Station | Department of Fisheries Oceanography and Marine Ecology | |
| Contact Information | Department of Fisheries Oceanography and Marine Ecology <i>National Marine Fisheries Research Institute</i> ul. Kofłatąja 1, PL-81-332 Gdynia, Poland www.nmfri.gdynia.pl pmargon@mir.gdynia.pl | |
| Nation | PL | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | J | |
| Price/ day (€/ points) | NA | |
| Specific Conditions for usage | NA | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R | |
| Capacity for researchers / Person | Up to 2-3 person | |
| Financing models % public funding (P), % PPP (M), % commercial © | so far 100%P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Wet biological laboratory with a system of aquaria and water tanks connected to constant water circulation system; water temperature control; possibility of sea water supply; possibility of installation of any kind of measuring equipment and computer system | |
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Updated 28.10.2011

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|---|--|---------------------------------------|
| Name of the Station | Research Station in Świnoujście | |
| Contact Information | Research Station in Świnoujście <i>National Marine Fisheries Research Institute</i> Plac Słowiański 11 PL-72-600 Świnoujście, Poland www.nmfri.gdynia.pl tkrajniak@mir.gdynia.pl | |
| Nation | PL | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | R, C? | |
| Price/ day (€/ points) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M | |
| Capacity for researchers / Person | NA | |
| Financing models % public funding (P), % PPP (M), % commercial © | 50%C; 50%P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | ichtiological, hydrochemical and biological labs | F |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | Spectrophotometer DR/4000V 320-1100mm, Laboratory Incubator with natural convection Q-Cell 140, Illuminated magnetic stirrer AMI, Water Stills for double distillation, pH- meter Laboratory Dryer STD etc. CTD probe – Sensoredata MINI STD SD-20, Bongo and 'baby' bongo nets, Sediment samplers: Ekman- Birge grab, HAPS hand operated corer, Water samplers: Standard Ruttner sampler. Microscope ZEISS SteREO Discovery. V12. +Digital camera Zeiss AxioCam Erc5s+ computer MSI H 55m-P31, I3, 4GB Ram, 500 Gb, Win 7 PRO, Microscope Nikon SMZ 800 | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | Fishing boats | |

Updated 28.10.2010

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| Name of the Station | Coastal Research Station at Lubiatowo |
| Contact Information | Institute of Hydro-Engineering of the Polish Academy of Sciences (IBW PAN), Koscierska 7, 80-328 Gdansk, Poland www.ibwpan.gda.pl/lubiatowo R. Ostrowski: rafal.o@ibwpan.gda.pl, Z. Pruszek: zbig@ibwpan.gda.pl |
| Nation | PL |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | R |
| Price/ day (€/ points) | |
| Specific Conditions for usage | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R (M) |
| Capacity for researchers / Person | 5 |
| Financing models % public funding (P), % PPP (M), % commercial © | P |

| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
|---|--|---|
| Laboratories: | | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | PCs for data registration and storage | |
| Other Scientific Equipment | <i>Wave buoy, current meters, echo-sounders.</i> | |
| | | T |

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|---|---|---|
| Name of the Station | Hel Marine Station Institute of Oceanography University of Gdańsk | |
| Contact Information | Hel Marine Station (as above) Morska 2, 84-150 Hel, Poland tel.: +48 58 6750-836, fax: +48 58 6750-420 e-mail: hel@ug.edu.pl www.hel.ug.edu.pl | |
| Nation | PL | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | J,B,C | |
| Price/ day (€/ points) | Accommodation 10€ / day; seminar room with multimedia equipment 45€ / hour; laboratories 10€ / hour; car 1€/km; boat 80€/hour | |
| Specific Conditions for usage | 24h/day | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E | |
| Capacity for researchers / Person | 12 | |
| Financing models % public funding (P), % PPP (M), % commercial © | 100% P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Dissection rooms, wet analysis room, microscopic facility, chemical lab, brackish water system of aquariums and pools, facilities for marine mammals rehabilitation. Student training rooms, seminar rooms, public education centre, exhibitions, dormitories. | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | - | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Computers, printers, biological collections, Computer Network, | |
| Other Scientific Equipment | Static Acoustic Monitoring devices (C-PODs), X-ray, ultrasund, chemical analyser, deepfreezer, Fishing nets, fish traps, trawls, diving equipment, aquarium system 2 fast motor boats - capacity of 4-6 persons, meteo station, field video monitoring, Field cars | T T T |

Updated 28.10.2011

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| Name of the Station | Swedish University of Agricultural Sciences: Fishery Research Station Älvkarleby and Institute of Costal Research (Öregrund, Simpevarp, Väröbacka and Lysekil) | |
| Contact Information | <p>Fishery Research Station, Älvkarleby Brobacken SE-814 94 Älvkarleby Tel: +46 10 671000 Bjarne Ragnarsson email: bjarne.ragnarsson@slu.se</p> <p>Institute of Costal Research Slu Skolgatan 6 742 42 Öregrund 010-4784159 Teija Aho email: teija.aho@slu.se</p> <p>SE</p> | |
| Nation | SE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Price/ day (€/ points) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, E | |
| Capacity for researchers / Person | | |
| Financing models % public funding (P), % PPP (M), % commercial © | | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | | |

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|--|--|---------------------------------------|
| Name of the Station | ASKÖ Laboratory (Stockholm University) | |
| Contact Information | SMF-Stockholm Marine Research Centre Stockholm University S-106 91 Stockholm Tel: 08-5537 8580 email: asko@smf.su.se www.smf.su.se | |
| Nation | SE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M and E | |
| Capacity for researchers / Person | In total, about 40 people can stay over night at the same time. | |
| Financing models % public funding (P), % PPP (M), % commercial © | 100 % P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | laboratories, Experiment hall with large bassins (2,4m3), sliding roof and walls, 5 climate rooms, a temperate brackish water system available in most laboratories and a weather station with continuous update of climate data Multi corer, Water and sediment samples, red-ox measurements, oxygen and salinity measurements research vessels, smaller boats, diving facilities with air compressor, , a lecturehall for 30 persons and a small library, leisure rooms, sauna | F |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimitoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | | |

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| Name of the Station | Sven Lovén Centre for Marine Sciences (SLC) Includes two stations, SLC Kristineberg and SLC Tjärnö | |
| Contact Information | University of Gothenburg, Kristineberg 566 SE-45178, Fiskebäckskil, Sweden Tel: +46 523 18500 Fax: +46 523 18502 www.loven.gu.se Ola Björlin Head of Administration +46 31 786 95 03 ola.bjorlin@loven.gu.se | |
| Nation | SE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Price/ day (€/ points) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E | |
| Capacity for researchers / Person | | |
| Financing models % public funding (P), % PPP (M), % commercial © | P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | <p>The experimental facilities are complete for conducting biological research in fields ranging from ecology, through physiology and taxonomy, to molecular biology with several new and advanced instruments. These include a wide range of basic equipment including stereomicroscopes, spectrophotometers, video equipment, nutrient autoanalyser, HPLC, particle counters, etc. In addition there are several molecular biology and genetics laboratories fully equipped for cloning, Real-Time PCR, sequencing, proteomics and <i>in-situ</i> hybridization. Advanced microscopy is also available with a Scanning EM and a state-of-the art broad-band scanning laser microscope with full image analysis software (Leica).</p> <p>The chemical ecology laboratory includes GCMS and LCMS facilities with high-level equipment for extraction and purification. The hydrodynamics laboratory comprises several flumes together with facilities for flow measurements with 3-D acoustic dopplers and 2-D PIV. Motion analysis is also</p> | |

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| | <p>possible using the non-linear editing suite for real time analysis of larval and microorganism behaviour. Free access is provided to local taxonomic and ecological databases that include the majority of the invertebrates present in the area.</p> <p>Both research stations have high-capacity flow-through seawater systems giving service to all experimental facilities in the laboratories, such as one large and one small indoor experimental park, light- and temperature-regulated climate control rooms, and outdoor experimental facilities, including green-houses and space for outdoor open tank experiments (Ecotrons). With these facilities living organisms can be maintained in excellent conditions for extended periods, up to several years. This is of course a key feature when handling and providing marine organisms but further development is needed in order to improve this service</p> | |
| <p>Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...)</p> | <p>Three large vessels are operated by the Sven Lovén Centre; 39 m R/V Skagerak, 12 m R/V Oscar von Sydow and 15 m R/V Nereis, all with modern navigational equipment and crews with an extensive knowledge of sampling locations for a large number of species and great experience of scientific sampling techniques. R/V Skagerak is equipped with an A-frame well suited for heavy duty sediment sampling (piston corer, multiple corer, Gemini corer, box corer). In addition, there is a 12 bottle rosette sampler with CTD, ADCP, fluorometer, oxygen, transmission and turbidity sensors as well as PAR on board. R/V Skagerak also has other special facilities like a double-beam high frequency echo sounder and onboard laboratories, of which one has a fume hood. The ship can supply data from an advanced weather station. The Sven Lovén centre has at its disposal a scanfish which can be towed after Skagerak providing CTD, ADCP and fluorescence data. The R/V Lophelia is available for ROV (remotely operated vehicle) field surveys and advanced sampling. Sven Lovén</p> <p>Centre has four ROVs, the newest from 2011 with 2000 m depth capability, two HD video cameras and one high-resolution still camera, sonar, CTD, hydraulic manipulator, sample storage box and suction sampler. Other available ROV:s are Phantom S4 and Ocean modules, with 300 and 150 m operating depths respectively. Several smaller boats are available for work in shallow waters.</p> | |
| <p>Archiving and Data Processing Equipment (e.g. computer, printer)</p> | <p>AV-equipment in the auditorium, digital multimedia recording systems for observational techniques</p> | |
| <p>Other Scientific Equipment</p> | <p><i>research vessels; Fishing gear; Portable CTD with 100 m cable; Wading trousers; Thermos containers; Under water video system</i></p> | |

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| Name of the Station | Klubban Biological Station (Uppsala University) | |
| Contact Information | Klubbans Biologiska Station Östersidan, Rödbergsviksvägen 13-15 451 78 Fiskebäckskil, Sweden Tel: 0523-221 02 Fax: 0523-231 26 www.klubban.ibg.uu.se | |
| Nation | SE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M, E | |
| Capacity for researchers / Person | 10 researchers/teachers, 40 students | |
| Financing models % public funding (P), % PPP (M), % commercial © | P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | basic laboratory devices and marine sampling equipments, a regular freezer (-18°) and two temperature rooms, + 4° and +15°, provide good storage possibilities, several aquaria rooms connected to salt water pipes pumping water from 3 and 38 meters allow good opportunities for keeping and experimentally studying marine organisms, activity room with simulated day-night conditions also provide possibilities for experimental work. | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | Lecture room for about 35 students, with TV, video recorder, TV-camera connected to stereo- and ordinary microscope, overhead and slide projector. A small computer room, equipped with modern Computers (PC/Windows) and a laser printer. The Internet is reached by a permanent broadband connection | |
| Other Scientific Equipment | <i>One larger vessel Belone, taking 34 passengers, is equipped for marine sampling purposes. One minor vessel, Maja takes 8 people. There are also two smaller motor boats, as well as three rowing boats.</i> | |

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| Name of the Station | Umeå Marine Sciences Centre Field Station (Umeå University) | |
| Contact Information | Umeå Marine Sciences Centre Umeå University Norrbyn 910 20 Hörnefors Administrator Monica Johansson Tel: 090-786 79 74 info@umf.umu.se www.umf.umu.se | |
| Nation | SE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Price/ day (€/ points) | 15 Euro per day for labspace. Special pricelist for mesocosm facility and research vessels. | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | R, M and E | |
| Capacity for researchers / Person | 15 lab-spaces for rental, fully equipped for marine analyses, Bedrooms available | |
| Financing models % public funding (P), % PPP (M), % commercial © | 100 % P | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Marine research station with accommodation facilities, research laboratories; and equipment ex. laboratory work in chemistry and biology. Mesocosm facility with 12 large tanks. | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | water and sediments samplers | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | LAN with own server and several computers available for guests. Connected to the University network | |
| Other Scientific Equipment | <i>other research facilities</i> | |

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|---|--|---|
| Name of the Station | Ar Research Station (Gotland University) | |
| Contact Information | Ar Research Station, Gotland University Fleringe, SE 624 60 Lärbro, Sweden Anders Nissling or Bertil Widbom phone +46 498 224630 or +46 299838 anders.nissling@hgo.se or bertil.widbom@hgo.se | |
| Nation | SE | |
| Availability Restricted (R), Joint (J) , Barter (B), Charter (C) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R) , Monitoring (M) , Education (E) | R and E | |
| Capacity for researchers / Person | 2 (longer)-4 (shorter) periods | |
| Financing models % public funding (P), % PPP (M), % commercial © | 60% public 40% foundations | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | Indoor tanks for fishexperiments, climate rooms, running fresh- and brackish water | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | Ordinary equipment: salinity-meter, oxygen-meter, microscope, stereo-microscope, balances etc. | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | <i>two small boats for near-shore research</i> | |

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|---|---|---------------------------------------|
| Name of the Station | Linnaeus University, Kalmar, Department of Marine sciences | |
| Contact Information | <p>School of Natural Sciences Linnaeus University SE-391 82 Kalmar Sweden</p> <p>Professor Edna Granéli Phone: +46 480-447307 e-mail: edna.graneli@lnu.se</p> | |
| Nation | SE | |
| Availability Restricted (R), Joint (J), Barter (B), Charter (C) | | |
| Price/ day (€/ points) | | |
| Specific Conditions for usage | | |
| Use of the station for Research (R), Monitoring (M), Education (E) | | |
| Capacity for researchers / Person | | |
| Financing models % public funding (P), % PPP (M), % commercial © | | |
| Infrastructure in detail (type, name, notation) | Items | Transferable (T) Fixed (F) |
| Laboratories: | | |
| Geological Instrumentation: (e.g. Gravity corer, Multi-, Nimistoe-, Rumohr corer, Dredge System, water and sediments samplers...) | | |
| Archiving and Data Processing Equipment (e.g. computer, printer) | | |
| Other Scientific Equipment | | |

4. Inventory of supercomputers

Summary table

| Facility | Country | Infrastructure provider/decision body | Contact | Arrangement of use |
|--|---------|---|---|---|
| National Supercomputer Centre (NSC) Linköping, Sweden www.nsc.liu.se | Sweden | Swedish Meteorological and Hydrological Institute (SMHI) | Anders Höglund, anders.hoglund@smhi.se | Purchase of CPU-hours, storage, maintenance and user support is regulated by long-term contract between SMHI and NSC. The resource bought is a dedicated supercomputer used only by the Research Department at SMHI |
| HLRN supercomputer Berlin, Norddeutsche Verbund für Hoch- und Höchst-leistungsrechnen www.hlrn.de | Germany | Operated and financed by the Northern German states. The decision body is Scientific Council | Head of Scientific Council Dr. Manfred Stolle, zulassung@hlrn.de | The supercomputer is basically intended for research at universities of the financing states. Users have to apply for supercomputer capacity in a project-like manner. |
| Murska Supercluster CSC-IT Center for Science Ltd. Finland www.csc.fi/english/customers/companies/index.html | Finland | For small and medium-sized applications: user manager officers. For large applications: CSC Resource Allocation Group (see details in www.csc.fi/english/customers/university/applycputime/principles). | Director, Data services for science and culture Pirjo-Leena Forsström, pirjo-leena.forsstrom@csc.fi | CTC is administered by the Ministry of Education and Culture of Finland, and provides IT support and resources for academia, research institutes and companies under customer contracts. Service is provided according to an agreement between CSC and our Department, and is free of charge for the University. |
| German Climate Computing Centre Klimarechnezentrum (DKRZ) www.dkrz.de/about-en?set_language=en | Germany | The decision body is the board of share holders, representing 4 Shareholders) : MPI, AWI, HZG and the City of Hamburg (through the University of Hamburg) | Managing director, Thomas Ludwig, ludwig@dkrz.de | The Helmholtz-Zentrum Geesthacht (HZG) is a part owner of the German Climate Computer Centre (DKRZ), together with the Max-Planck-Institute for Meteorology, the University of Hamburg, Alfred Wegener Institute for Polar and Marine Research. HZG owns 10% of DRKZ. Half of the DRKZ capacity is directly allocated to the owners. The other half is reserved for projects all around Germany, which are evaluated by DKRZ Scientific Committee. HZG can directly use 5% of the total DRKZ computing time. HZG can also submit application for a share in the openly competed 50% of DRKZ capacity. |
| Unix cluster of 8+1 nodes Marine Systems Institute (MSI), Tallinn University of Technologies, Tallinn www.msi.ttu.ee | Estonia | Marine Systems Institute (MSI), Tallinn University of Technologies | System administrator Jaak Karjane, jaak.karjane@ttu.ee | Informal arrangement within the institute. All users can use all nodes for their computations. In cases when the whole cluster capacity is needed for one task, other users are notified. IT admin can also restrict the cluster use for a particular user by limiting the nodes. This option has not been used so far. |