

Program

Wednesday, 5 July

| | | | |
|-------|---|--|---|
| 10:00 | GEOMAR Aquarium, optional (westshore) | | |
| 12:00 | Registration (Foyer, eastshore) light lunch | | |
| 14:00 | Warm welcome (large lecture hall) HeJu Speakers, Prof. Peter Herzig | | |
| 15:00 | (Re-)Present your institute 1-min presentations by each institute | | |
| 15:45 | Coffee break | | |
| 16:00 | Workshop Session I | | |
| | Yooweedoo (conference room) | Present your poster (lecture hall) | Communicate Science (seminar rooms) |
| 19:00 | Ice breaker BBQ | | |
| 20:30 | Science Slam (large lecture hall) | | |

Thursday, 6 July

| | | | |
|-------|--|---------------------|---------------------|
| 09:00 | Tours through GEOMAR facilities | | |
| 10:45 | Coffee break | | |
| 11:00 | Alumni Session (Foyer, eastshore) short introduction, possibility to meet alumni in person and discuss | | |
| 13:00 | Lunch | | |
| 14:00 | Workshop Session II | | |
| | Yooweedoo | Present your poster | Communicate Science |
| 15:45 | Coffee break | | |
| 16:00 | Yooweedoo | Present your poster | Communicate Science |
| 19:00 | Conference Dinner (on board 'Freya', Bahnhofskai) | | |
| 20:30 | PubQuiz (on board 'Freya') | | |

Friday, 7 July

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|-------|--|
| 09:00 | Workshop Session III Yooweedoo Present your poster Communicate Science |
| 10:45 | Coffee break |
| 11:00 | Yooweedoo Present your poster Communicate Science |
| 12:00 | Lunch |
| 13:00 | Workshop presentations (large lecture hall) Yooweedoo, Communicate Science |
| 15:00 | Closing remarks HeJu Speakers, Dr. Andreas Villwock |
| 16:00 | Excursion to the beach, optional (Laboe) |



Welcome on board!

You are going to be part of the NextGen@Helmholtz 2017, and as the organizing team, we are excited to spend an awesome time with you in Kiel!

To give you the opportunity to get the most out of this experience, this sheet provides you with an overview and more detailed information about the program in general, your accommodation, what to bring and prepare. Depending on your individual workshop session choice, you got another PDF with more information about this as well.

Please, read **both info sheets carefully and get prepared! 😊**

If you have any questions, do not hesitate to contact us via nextgen@helmholtz.de.

Please note: In case of cancellation of your participation, a refund of your conference fee is not possible anymore, from now on. This is, as we start ordering, and fixing the catering and accommodation now.

Important addresses

www.helmholtz.de/nextgen
nextgen@helmholtz.de

Youth hostel

Jugendherberge Kiel
Johannesstr. 1
24143 Kiel

<http://www.jugendherberge.de/de-de/jugendherbergen/kiel531/portraet>

Conference venue (GEOMAR East shore)

GEOMAR – Helmholtz Zentrum für Ozeanforschung Kiel
Wischhofstraße 1-3
24148 Kiel

GEOMAR West shore & Aquarium

Düsternbrooker Weg 20
24105 Kiel

Public transport

www.nah.sh
www.kvg-kiel.de
www.sfk-kiel.de/de/faehrlinien/schwentine/

Wednesday, July 5th



Registration

from 12:00 am onwards

GEOMAR east shore, foyer

Wischhofstr. 1-3, building 8A


If you found the ship's propeller, just enter the building and receive your welcome package. We provide some sandwiches, tea and coffee until the official conference beginning.

Warm welcome

Wednesday, 14:00 pm

GEOMAR east, large lecture hall (8A)

What is Helmholtz and who are the Helmholtz Juniors? Your representatives, and the organizers welcome you to the NextGen@Helmholtz 2017. GEOMAR director Prof. Herzig opens the conference.



(Re)Present your institute

Wednesday, 15:00 pm

GEOMAR east, large lecture hall
(building 8)

Where do all the people around me come from?

To get an overview of Helmholtz, we want you and your colleagues to **(re)present your center** in a fun and comprehensive way **in 1 minute on stage!**

Use microphones, a projector, boxes for music or other audio. Of course, you are very welcome to bring more equipment, costumes, etc. that you need to complete your presentation.

What we appreciate:

- Fun (movie) references
- Songs, somehow fitting your center or your center's research focus
- Handcrafted costumes and props
- Include ALL participants from your Helmholtz center (we know this is very hard to achieve for some centers that have various locations, but we do live in times of internet communication!)

What will make us sad:

- Playing a promotion video from your Helmholtz center

Please **get into touch with the other participants from your research center** listed in the information mail.

We are looking forward to a fun insight into the science of other centers and research fields!

Workshop sessions

Wednesday, 16:00 – 19:00 pm

Thursday, 14:00 – 18:00 pm

Friday, 9:00 – 12:00 am

Check the additional sheet on your workshop session for more detailed information.

Ice breaker BBQ & science slam

Wednesday, 19:00 pm

GEOMAR east, outside or lithothek

Taste John's Burger and listen to his amazing story from being a Helmholtz scientist and professor to grilling Kiel's most famous burger! Enjoy delicious fries (and even better sweet potato fries) while chatting and relaxing at the GEOMAR pier (if the weather allows us to sit outside).

Afterwards, enjoy the science slam and help your favorite slammer to win the "Super Helmholtz Resonator" as a trophy. This is a great opportunity to get to know what kind of research is being done in other Centers of the Helmholtz Association.

Thursday, July 6th

Tours through GEOMAR facilities

Thursday, 9:00 am

Various locations

GEOMAR's spectrum of research ranges from the deep sea floor all the way up to the stratosphere. This means, science at GEOMAR is high-

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ly interdisciplinary. We offer you several tours in the different research departments so that you can get a short, but intense insight into research at the most northern Helmholtz institute. In general, the tours will start at 9am on July 6th and take between 1 to 1.5 hours depending on the geographical location as we have several GEOMAR campuses on the east and west shore of the Kiel fjord.

The only thing you need to do now, is to write us your preference, which we consider into our planning. Simply send a mail with the reference “GEOMAR tours” and your choice of tour to nextgen@helmholtz.de.

You will receive the organizational details (meeting points, how to get there) during your registration. Apart from that, you don't need to prepare or bring anything else except for curious minds ☺.

Confirmed lab tours include:

(1) GEOMAR-Biotech, 13 places

Research at GEOMAR-Biotech is both basic and applied science and covers most emerging areas on marine macro-organisms and micro-biota.

The lab tour will introduce you to their enhanced chemical, analytical and biotechnology expertise and facilities. You will experience research at GEOMAR-Biotech that ranges from drug discovery, food supplements and cosmetics to agriculture/aquaculture and process development for biotechnological production of marine microorganisms and their chemical ingredients.

(2) Chemical Oceanography, 15 places

Chemical oceanography investigates the chemical composition of seawater ranging from dissolved oxygen, trace gases, transient tracers, nutrients, halocarbons and many more. The lab tour will exemplarily provide theoretical and practical backgrounds in how measurements are performed and what we can learn from the results to understand the interaction between organic and inorganic substances and the biological, physical and geological conditions of the ocean.

(3) Technology & Logistics Centre, 40 places

The Technology and Logistics Centre (TLZ) maintains marine scientific instruments, and develops novel devices to help answering new emerging research questions. It is also home of the large sea-going infrastructure of GEOMAR, including two remotely operated vehicles (ROVs) and the only manned research submersible in Germany (JAGO). During your visit you will learn everything about research technologies at GEOMAR by the combination of a presentation and a guided tour through the main facilities. Be aware that some of the large devices might be at sea.

(4) Aquarium, 20 places

The in-house aquarium exhibits four different ecosystems with separate circulation systems. You will explore the popular fish species of the Baltic Sea and North Sea, and get a glimpse of tropical organisms and coral reefs in a total of 15 different aquariums. In addition to the exhibition in the showing rooms, the juvenile organisms can be seen in the breeding room behind the scenes. And if you did not visit them before, you will have a chance to meet our four famous seals directly at the Kiellinie.



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(5) Kiel Outdoor Benthocosms, 10 places

The benthic ecology research unit investigates the structure and dynamics of life on the sea floor. With the help of so-called mesocosms researchers are able to study the behaviour of organisms under controlled environmental variables while still admitting all natural in-situ fluctuations. One of the leading scientists will show you the „Kiel Outdoor Benthocosms“, consisting of 6 separated units containing 3000 litres of sea water each that are used to perform near-natural climate change experiments on complex benthic communities.

Unfortunately, all GEOMAR owned research vessels are at sea in the beginning of July and we cannot offer you any tours. But watch out for Open Ship days, when our second homes are in a German port!

Alumni session

Thursday, 11:00 am

GEOMAR east, foyer (building 8)

Whether you have just started as a doctoral researcher or you are at the end of your thesis, the same question you would have at one point would be "**what will I do next?**". Because of this common conundrum, it would great to ask someone who has already taken this step, right? Therefore, we arranged an alumni session, in which you can ask all your questions that you have been wondering about; whether they are science related or career related, or simply philosophical – any questions are welcome to our alumni.

Initially, the alumni will come up on stage to each give a brief introduction about her-/himself. After that, each alumnus has a booth at which you can approach them and **ask questions in an informal atmosphere**. This session is for you to get an idea about what is possible after a successful thesis and defence: Is a career in academia suitable for you? Is industry a more lucrative option? Would you want to go into policy and get an insight into politics? All of these questions are open for you to ask.

The list of currently confirmed alumni include (**Name**, Alumnus institute, location, current occupation):

Prof. Dr. Ute Römling

HZI, Braunschweig

Professor at Karolinska Institutet (Stockholm, Sweden)

Dr. Steffen Braune

HZG, Teltow

Postdoc at HZG, Teltow

Dr. Maria Balk

HZG, Teltow

Postdoc at HZG, Teltow

Dr. Candy Löwenberg

HZG, Teltow

Postdoc at HZG, Teltow

Dr. Markus Knust

MDC, Berlin

Sales consultant at Beckman Coulter

Dr. Jennifer Rieger

GEOMAR, Kiel

Freelancer science journalist

Dr. Sebastian Krug

GEOMAR, Kiel

Climate protection manager in Rendsburg-Eckernförde (Schleswig-Holstein)



If you know of an alumnus that inspired your work and/or your career planning, or that you think would expand our selection, do not hesitate to forward us the contact details! **This conference is for you, so feel free to get involved!**

Conference dinner

Thursday, 19:00 pm

Ship 'Freya'

Meeting point: Jetty "Bahnhofsbrücke" at Kiel Central Station (below the bar 'Blauer Engel' and the restaurant 'Vapiano')

The paddle steamer 'Freya', built in 1905, takes us on an exclusive cruise along the Kiel Fjord. During the 3-hour boat tour you will enjoy a delicious dinner buffet, get to see a very special view of the city at dusk, and have fun with your peers during our exciting pub quiz.

Friday, 7 May



Workshop presentations

Friday, 13:00 – 15:00 pm

GEOMAR east, large lecture hall

Interested in what the others did in their workshop session? This time slot is dedicated to presentations of each workshop group, where you have the opportunity to tell & show your peers what you have been doing the past days. Invited representatives from the Helmholtz headquarter will attend this session; so, use this chance to **show that your time away from thesis work was well spent!** 😊

Closing remarks

Friday, 15:00 pm

GEOMAR east, large lecture hall

After about one year of planning and preparation, three days can pass by fast! To officially close this year's NextGen@Helmholtz, we invited Dr. Andreas Kosmider, the head of strategic initiatives. And, if you enjoyed this NextGen@Helmholtz, you might be interested in the next already?! Stay tuned!

Official conference end

Optional activities



Your PhD in one Photo - contest

Do you have a pretty stem cell picture, an awesome figure, a pretty map or just amazing images from your last field trip? Then participate in our photo contest! Send us your picture/image/figure and a short description of how your piece of art relates to your doctoral project.



Email to nextgen@helmholtz.de until **June 18th**, reference: "NextGen Photo contest". Only one submission per applicant will be accepted.

We will review all submissions, put the best 12 on display during the conference, and, of course, there will be a **best picture award!** 😊

GEOMAR aquarium

Wednesday, 9:45 am

GEOMAR westshore, pool at Kiellinie

Our famous seals

If you visit Kiel you can't miss out our seals! *Kielius*, *Krümel*, *Luna* and *Sally* live at the open pool of the GEOMAR aquarium just in front of our westshore building, directly at the scenic Kiellinie.

Attend the public feeding, starting at 10:00 am! During the feeding they are trained to perform different tasks and to stay calm when being touched. This is not only useful for cognitive training but also makes it easier for the vet to examine their health state. Even if they look cute, seals are efficient and intelligent predators with a hefty bite.

At the moment, four seals call the aquarium their home. Most of the day, you can watch them outside relaxing, diving, swimming, or even watching the people passing by. Although they live outside all year long, they can retreat in a small indoor room to rest. While seals prey on flounders, cod and other common fish species in the wild, our seals do not have to hunt living prey. Instead, there is a public feeding twice a day (10:00 and 14:30).

The common seal or harbour seal occurs only in the northern hemisphere and is one of the most frequently occurring seals in European waters. In Germany, they mainly live on the sandbars in front of the mudflats off the German North Sea coast and some migrating individuals can be seen in the Baltic Sea, where they were almost extinct in the early 20th century.

How to get there, and across the Förde to the conference venue?

Bus stops (line no.) nearby GEOMAR west: Schwanenweg (41/42) and Reventloubrücke (51). Alternative: get off at Schloßgarten (61, 30S/32), walk across the pedestrian bridge (enjoy a nice view over the harbor), and along the Kiellinie until you reach the pool.

The 'Schwentinelinie F2' is a ferry that brings you for a price of a regular bus ticket (already included in the daily-tickets) across the Förde and over to the GEOMAR eastshore building. The ferry leaves at the pier 'Reventlou' at 11:38, 12:08, 12:38 or 13:08. Get off the ferry on her second stop (Wellingdorf), right in front of the GEOMAR building.

What else to do on the westshore?

If you are at the Kiellinie around 9:15/9:30, you can watch the ColorLine, one of Europe's biggest passenger ferries, to maneuver in the small Kiel Fjord.

After the seal feeding, you will have some free time before the registration opens. Here, we listed a few things to do around the GEOMAR westshore building and the ferry pier:

If the weather is sunny, the Kiellinie itself, the café's and fish bars provide plenty of opportunities to relax and spend a nice time. The 'Fischbar' opens at 11:30 am, and offers typical '**Fischbrötchen**' and a beach area with deck chairs to lean back. A **coffee bike** usually sells delicious caffeine shots in front of the parliament building ('Landeshaus'), where huge stairs invite to sit down and relax.



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A 20-30 minute walk north along the water front will bring you to the **navy harbor** and the berth of the sailing school ship '**Gorch Fock**'.

The old botanic garden is just across the street 'Düsternbrooker Weg' of the GEOMAR westshore building.

Visit the **GEOMAR aquarium** for 3€ per person: With the Baltic Sea just across the street, it is no big surprise that the aquarium mainly exhibits our local marine ecosystems. Baltic Sea and North Sea represent the main sections with over 50,000 and 30,000 litres respectively. Especially eelgrass meadow, herring shoal and North Sea are our typical local habitats. Popular fish species can be found including gobies, pipefish, herring, cod, spotted dogfish and thornback rays. In total, there are 15 aquariums with 500 to 14000 litres each. Although the space is limited, the aquarium has also sections displaying ecosystem of the Mediterranean and tropic oceans. There are four major ecosystems with separate circulation systems, different salinity and temperature settings. Each section displays a unique biotic community with a selection of fish species and other marine organisms. In addition to the exhibitions in the show rooms, the juvenile organisms can be seen in the breeding room behind the scenes where fish breeds and juvenile corals are held in

smaller aquariums. Besides experimental set-ups from researches in the marine ecology department of Geomar, a selection of typical freshwater aquariums can also be found. Furthermore, the aquarium has major technical installation in the engine room for water filtration and treatment of the circulation systems.

More museums nearby: The '**Schiffahrtsmuseum Kiel**' is in the old fish market hall (Wall 65, 24103 Kiel; 3€ per person) next to the 'Ostseekai'. Exhibited are three old-timer ships lying in the museums harbor. The '**Medizin- und Pharmaziehistorische Sammlung**' (Brunswiker Straße 2, 24105 Kiel; 3€ per person) exhibits historical pharmacy and examination equipment, as well as a collection of pathologically deformed organs.

Excursion to the beach

Friday, from 16:00 pm onwards

Laboe

This trip is loosely organized to leave room for spontaneous activities, personal preferences and adjustments to the weather. Please, communicate to each other and organize the details

(group tickets etc.) by yourself! This info-sheet shall only provide you with the basics.

The beaches along the east shore of the Kieler Förde are amongst the best places to spend the long, northern summer evenings! Laboe is one of the most prominent holiday destinations in Schleswig-Holstein. It is famous for its beaches, good (kite) surfing conditions, a promenade along the beach with loads of bars and restaurants, the Navy Memorial (Marine Ehrenmahl) and the submarine museum "U-995".

How to get there (and back)?

The 100 is your bus of choice. On Friday afternoon, it runs every 20 mins and stops at "KVG Btf. Werftstraße", as well as "Norwegenkai" (both near the Youth Hostel) and "Seefischmarkt" (GEOMAR east), and ends in Laboe harbor. If you want to start your beach adventure directly after the conference, you can also take a quicker connection with one change (200 from "Seefischmarkt" until "Kiel Schönkirchner Straße", and from there the 102 to Laboe harbor; runs every 30mins, e.g. 16:27pm). More info here: nah.sh or kvg-kiel.de.



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To get back to Kiel: Either take the busses (the 100 runs every 30mins until midnight), or take the ferry back (last departure at 19:50pm!). For both, busses and ferry, you will need a ticket over three zones (Preisstufe 3). More info here: <http://www.kvg-kiel.de/tarif/fahrpreise/>

What to do

The promenade connects the most important places: It starts at the Laboe harbor, runs along the beach, plenty of souvenir and fish shops, ice-cream parlors, bars & restaurants, and ends behind the Navy Memorial.

The guarded beach extends over 1 km from the harbor to close to the Navy Memorial. Fine grained sand, shallow water and beach volleyball fields in the northern part characterize this strip. You will have to buy a ticket for 2,50€ each at one of the Kiosks, or the tourist information to enter this beach.

If you follow the promenade northwards, you will endeavor some sand dunes and a more quiet, not so touristic beach strip facing the open Baltic sea. It is unguarded and dogs are allowed in its western part.

Depending on the weather conditions and the exhaustion-level of the Orga-team, we will have a **BBQ at the beach there. More infos will follow on this later - stay tuned!**

The Navy Memorial is the land mark of the Kieler Förde. With its 85m tall tower, it marks the entrance to the Kieler Förde and offers a great view - sometimes even till Denmark. Next to the Memorial, you can have a look into a German WWII submarine, the U-995. A visit of both, the Memorial and the Museum, will cost you 6,50€ as a student or 9,50€ without a student-ID. More detailed ticket prices: <https://deutscher-marinebund.de/marine-ehrenmal-u-995/preise-oeffnungszeiten/>
Open until 19:00pm.

Next to the Memorial, within the dunes, there is a surf-shop, where you can lend equipment for all kinds of water sports. Open until 18:30 pm.

Additional Information

Kiel Youth Hostel

The [Kiel Youth Hostel](#), your home base during the conference, lies on a small hill above the Norwegenkai on the east shore of the Kiel fjord ([Johannesstraße 1, 24143 Kiel](#)).

The rooms for the conference are booked until Friday. If you plan to extend your stay in Kiel, you will have to arrange your own accommodation.

Check-in is possible between 12 am and 10 pm. If you arrive earlier, you can drop off your luggage there and move into your room later that day. If you arrive after 10 pm, please [let us know](#)! For check-in, you will only need your ID; you do NOT need a DJH-membership.

Bedlinen and breakfast are included. You will have to **bring your own towels**.

Accommodation is in rooms of 2 to 4 people, where two rooms share a bathroom. [Let us](#)

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[know](#), if you have any preferences with whom you want to share a room with. Otherwise, you get a room according to your registration and get to know your room mates at your arrival.

Catering

We serve water and juices during the entire conference. Your conference fee covers them. Additional (alcoholic) drinks have to be organized and paid by you. If you do so, please take care of your empties!

Breakfast

The breakfast at the Youth Hostel comprises a variety of bread and rolls, sweet spreads, cold cuts and cheese, muesli, cornflakes, yogurt or quark, fruits and vegetables, coffee, tea, hot chocolate and milk.

Lunch and coffee breaks

The breaks will take place in the cantina, next to the foyer in building 8A. For the light lunch on Wednesday, we organized various kinds of sandwiches, in case you arrive hungry or you prefer a quick snack before the conference

start. On Thursday and Friday, we serve a lunch buffet including different salads, potato and veggie soup, meatballs, buttered pretzels, veggie sticks, fruits and desert.

Cookies and fruits are going to sweeten the coffee breaks.

Dinner

Wednesday evening, John will grill you burgers in his food truck. He also offers vegetarian and gluten-free patties (meaning, you will have to bring your own gluten-free burger buns), and all you can eat sweet potato fries, regular fries, and cole slaw (, which contains his homemade mayonnaise that is **NOT** gluten-free).

On Thursday you will enjoy a delicious dinner buffet on board the traditional paddle steamer Freya. The huge buffet hopefully includes enough options to serve everyone's dietary needs.

In any case, if you are unsure about the ingredients, do not hesitate to ask us!

Also, stores and supermarkets are close by the Youth Hostel and the conference venue.

Public transport Kiel

Bus

Buses are the main public transportation operating around the whole city, e.g. to the city centre, university, the Kiel Kanal, beaches, Laboe. From the central station and the youth hostel (Bus stop: *KVG Betriebshof/Werftstr*), there are buses leaving every 5-10 minutes to GEOMAR east-shore building (Bus stop: *Seefischmarkt*). E.g.: Line 11, 60S, 100, 200, and 201 (they need between 10 to 20 minutes).

For further information see: www.nah.sh

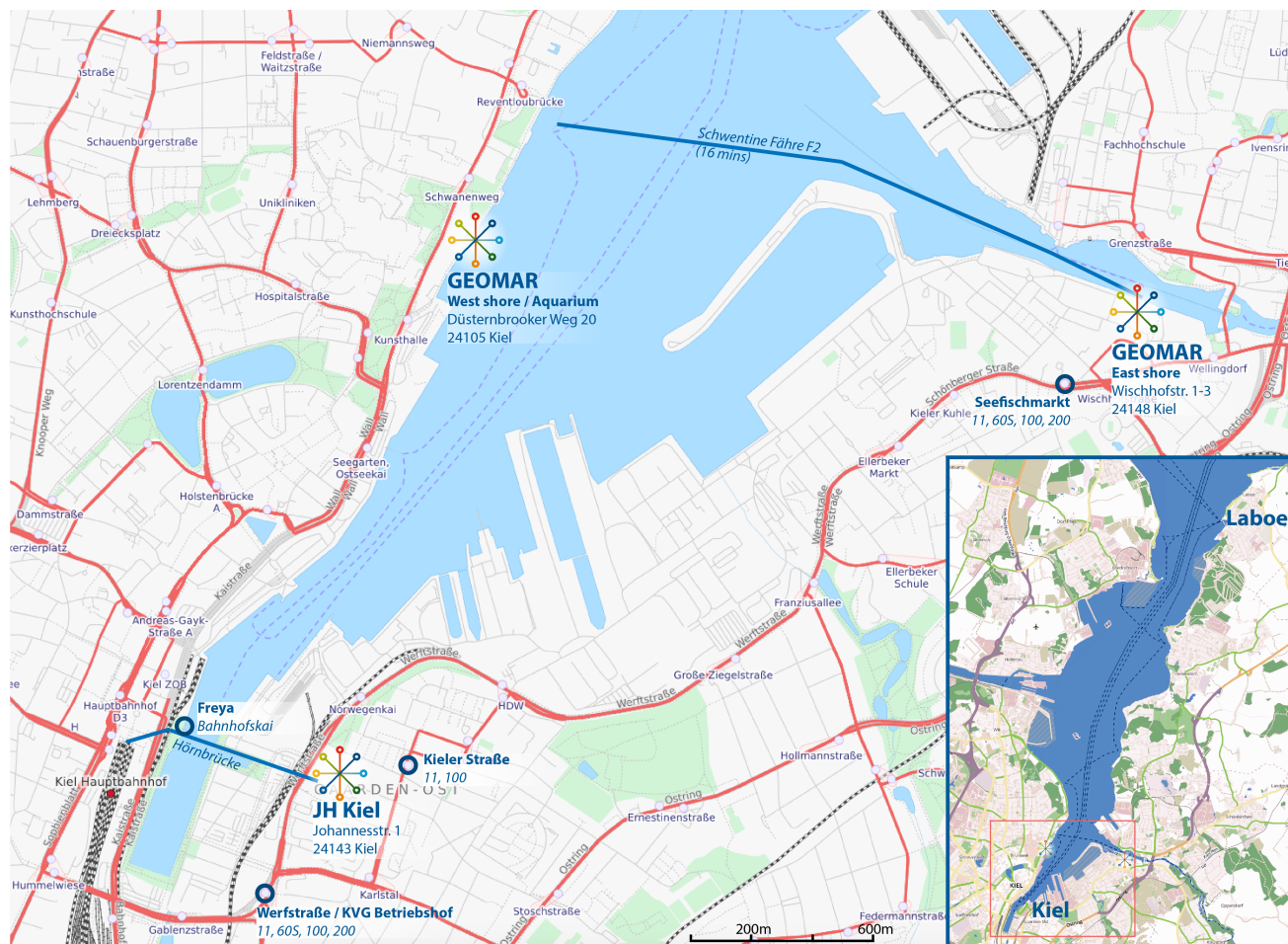
Ferry

From the GEOMAR East building (Stop: *Wellingdorf*), there is the ferry ("*Schwentinefähre*") departing every 30 minutes crossing the Kiel Fjord to the west shore. It arrives at the jetty next to the regional government building (Stop: *Reventloubbrücke*). There are also ferries going along the entire Kiel Fjord to other districts, like Schilksee, Strande and Laboe, where some of the beaches are located. For further information see: <http://www.sfk-kiel.de/de/>



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Map of Kiel



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Conference venue

