

Experience Marine Research Firsthand!

Open House 2015 at GEOMAR



+ Displays and Activities +



+ Modern Marine Technology +

Map the east bank GEOMAR location

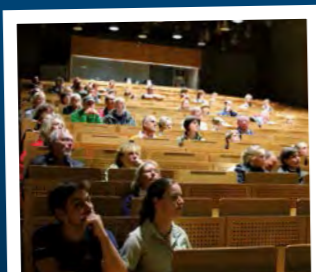
Please note: Due to the big event "The east bank mobilizes" there is no parking available in the GEOMAR east centre or in the Wellingdorf fish market. If possible, please use public transportation or the designated street parking spaces. The Schwentine ferry, which leaves from the Reventlou dock, will have a special schedule for the event. Our tip: Arrive by bicycle!

GEOMAR Open House 2015

Sunday, 12.07 2015 from 11:00-17:00 at its eastern shore (Seefischmarkt)



+ Junior Researchers +



+ Presentations and Films +

Marine Research for Our Future

GEOMAR is one of the world's leading marine research institutions, researching all aspects of modern marine sciences, from sea floor geology to marine meteorology. The 900 employees, including more than 400 scientists, in the two facilities in Kiel investigate today's major marine questions:

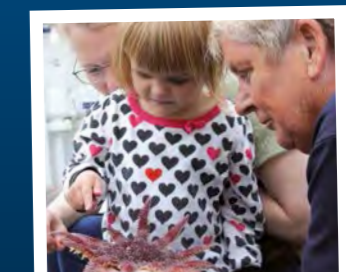
- ▶ How do changes in the oceans affect our climate?
- ▶ How does human activity affect marine ecosystems?
- ▶ How can we use marine resources responsibly?
- ▶ How can we have early detection of ocean hazards?

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Experience Marine Research Firsthand!



+ Open Ship on FS ALKOR +



+ Marine Animals to Touch +





Lecture in the GEOMAR Auditorium ③

Junior Researchers in the Lithotec ①

Other Exhibits and Activities

Presentations in the Old Canteen ④

Lecture Program

- 11:30 Ammunition in the sea - Heritage of the World Wars**
Dr. Warner Brückmann (GEOMAR) and Jens Sternheim (Ministry of Energy Transition, Agriculture, Environment and Rural Areas of Schleswig-Holstein)

- 12:30 From giant vortices and virtual supercomputer in Aalen**
Dr. Arne Biastoch (GEOMAR)

- 13:30 Deep-sea meets Space: What do the deep sea and space research have in common**
Dr. Stefan Sommer (GEOMAR)

- 14:30 Volcanoes on the seabed**
Dr. Jörg Geldmacher (GEOMAR)

- 15:30 How dangerous is plastic waste for marine organisms?**
Dr. Mark Lenz (GEOMAR)

The Friday Research Club at GEOMAR

- Model of an underwater glider** | Yves Zellmer and Michel Tölke

- Computer simulation of crab behaviour** | Phillipp Kloth

- Experiments for optical brightening of clouds** | Rike Pöhl

- Plankton under a microscope** | Linnea Rulle and Jule Tölke

- Drive growth in the Kiel Fjord** | Miriam Kohlus and Yannick Schwert

- Experiments about global warming** | Sören Willrodt

Students Present their Work

- Ecophysiological experiments** | Humboldt-Schule Kiel, 12. Klasse

- Tank experiments and convection** | Hebbelschule Kiel, 8. Klasse

- Aspects of climate engineering** | Kieler Gelehrtenschule, 11. Klasse

From the GEOMAR School Program

Plankton – Sink or float?

Modern Marine Technology

- VIATOR** – Space technology for deep sea ①

- Underwater Vehicle ROV PHOCA** – Arms and eyes on the seabed ⑨

- Dive** - Models of radio-controlled diving robots in action ⑩

GEOMAR Research

- Beach Pebbles** – Geologists explain what you find at the beach ②

- Heritage of the World Wars** – Munitions in the sea ②

- Garbage Mile** - What happens to plastic waste in the sea? ⑪ ①

- Sensors on the Sea Floor** - How do we measure earthquakes ①

- Future of the Ocean** - Exhibitions models of the ocean in the future ②

- 3-D Exploration of the Sea** - Virtual reality of the deep sea ①

OPEN SHIP of the Research Vessel ALKOR ⑧

- Marine Animals to Touch** - enjoyable for young and old

- Children's Painting Competition** - drawings of the smallest research vessel POLARFUCHS

Plankton Research

Readings

- 11:30 Floaters - Im Sog des Meeres**
Katja Brandis reads from her book for young reads about plastic waste in the sea (for ages 10 to 14)

- 13:00 Floaters - Im Sog des Meeres**

- 14:00 Dümpel bei den Glitzerfischen**
Sabine Ebel-Urbanyi reads from her children's book about different types of pollution (for ages 5 to 9)

- 15:00 Dümpel bei den Glitzerfischen**

- 16:00 Dümpel bei den Glitzerfischen**

Other Activities

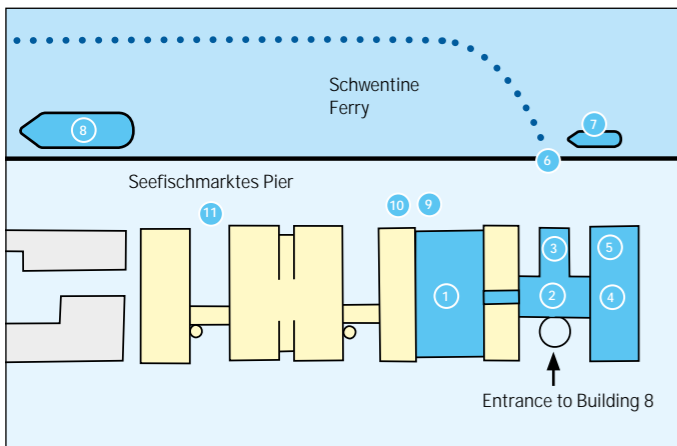
- Treasures from the Sea** - Our sea-going crates loaded with childrens' book for reading

- Many more books about the Sea** - our entire library of marine scientific publications is yours to explore ⑤

- Publications** – Sale of GEOMAR marine publications ②

- Reusable Instead of Disposable**
Cotton bags for children

- Garbage in the Waters** – the Blue Sea Project (sponsored by the Federal Environment Agency)



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|----------------|--------------------|---------------|
| ① Lithothek | ⑤ Library | ⑨ ROV PHOCA |
| ② Foyer | ⑥ Wellingdorf dock | ⑩ Plunge Pool |
| ③ Lecture Hall | ⑦ FB POLARFUCHS | ⑪ Müllmeile |
| ④ Old Canteen | ⑧ FB ALKOR | |