

Previsional programme GIFT 2025
“Exploring the Seafloor”

Sunday, 27 April 2025

16:00-18:00 GUIDED TOUR
OF THE NATURAL HISTORY MUSEUM
Welcome to the teacher attendees of GIFT
Entrance: Maria-Theresien-Platz 1010 Vienna

18:30-20:00 Ice breaker party at Austria Center Vienna (ACV)
EGU General Assembly place
Bruno-Kreisky-Platz 1, 1220 Vienna

Monday, 28 April 2025

08:30-08:45 Opening GIFT25
EGU welcomes GIFT participants
with President of EGU + Chair of the Education Committee (EC)

08:45-09:30 Lecture 1
The major stages in the discovery of the sea floor (history of sea floor exploration)
by **Angelo Carmelenghi**, OGS Trieste, Italy

09:30-10:15 Lecture 2
The expedition « F.A.M.O.U.S » (French American Mid Ocean Undersea Study), 1973-
1974, the first-ever marine scientific exploration by manned submersibles of a
diverging tectonic plate boundary on a mid-ocean ridge.
by **Marcia Maia**, Ifremer, France

10:45-11:15 Welcome in IODP/ECORD Bremen Cores Collection
A virtual visit from Zentrum für Marine Umweltwissenschaften(MARUM)
Core Repository in Bremen
by **Ulrike Prange**, MARUM

11:30-12:15 Lecture 3
Iceland and the surrounding seafloor –
insights into a complex geological system from its origins to the present day
by **Dr. Rouwen Lehné**, Technische Universität Darmstadt

12:15-12:30 INSTRUCTIONS for the poster session & the hands-on sessions

14:00>15:45 HANDS-ON ACTIVITIES (WS 1-2)
(2 groups alternating, 2 sessions x 1h30)

WS 1: EGU Geoscience Education Field Officers
Plate tectonics/subduction zones/rifting zones/paleomagnetism...

by **EGU Geoscience Education Field Officers (GEFO) Team**

16:15>18:00 WS 2: Copernicus Browser:
an open online platform for teaching geography with satellite (Sentinel 2) images
by **András Zlinszky**

18:00 TOUR OF THE EGU EXHIBITION

19:00-20:00 Townhall Meeting
The Educational Activities organised within several committees at EGU in
cooperation with Outreach and EDI Committees
Presentation of Education Committee goals and initiatives
with **Stavros, Gina, Giuliana, Teresita, Solmaz**

Tuesday, 29 April 2025

08:30-09:15 Lecture 4
To define

09:15-10:00 Lecture 5
The seafloor life - Biodiversity of hydrothermal vents -
by **Ana Colaço** (University of the Azores)

10:45>12:30 HANDS-ON ACTIVITIES (WS 3-4)
(2 groups alternating; 2 sessions x 1h00)

WS 3: Maps

Using maps to study the seafloor (paper and digital tools) with geomapapp
Presentation of the portal and exercises to calculate seafloor spreading rate (and/or
plate motion) from the database
by **Teresita Gravina** and **Francesca Funciello**, EC members

WS 4: Back to some oceanographic expeditions with teachers at sea
Teachers on board a research vessel and exploration of the seafloor
by **Hélder Pereira** and **Faustine Gendron**, Teachers at sea

14:00-14:45 Lecture 6
Oman seafloor Outcrop
Discovering the ocean crust in the open air: Oman -
by **Georges Ceulener**, OBS-MIP / GET – CNRS

15:00-15:45 Lecture 7
Ocean crust in the mountains (ophiolitic series and orogenesis) -
by **Jean Marc Lardeaux**, University Cote d'Azur

16:15-18:00 **POSTER SESSION**
Teachers present and share school projects at EGU G.A

Discovering the Seafloor in Class

18:00-19:00 NETWORKING EVENT IN THE POSTER HALL

Wednesday, 30 April 2025

08:30-09:15 Lecture 8

when seafloor disappears in the subduction zone
Plate tectonics and evolution on subduction zones. –
Deputy President of the Division on Tectonics and Structural Geology (TS)
By **João C. Duarte, University of Lisbon**

09:15-10:00 Lecture 9

when seafloor appears in ocean ridges -
Formation of oceanic crust and the tectonic and magmatic diversity of mid-ocean
ridges -
by **Cannat Mathilde, IGP** (lecture by ZOOM)

10:00-10:15 GIFT CERTIFICATES DISTRIBUTION

10:45-11:30 Lecture 10

The seafloor and resources for tomorrow
By **Antje Boetius** (to be confirmed)

11:30- 12:15 Lecture 11

Formation and preservation of seafloor massive sulfide mineralization along ultraslow
spreading ridges: An insight from the Arctic Ocean
by **Sabina Palinkas** (The Arctic University of Norway)

**13:00 GENERAL SESSION AND CONCLUDING REMARKS
& GOOD BYE!**

By Jean-Luc Berenguer & Stavros Stathopoulos