

T-SECTOR General Assembly Meeting

14 - 15 July 2025

Including Early Career Scientists Meeting (15/07/2025) “Representation of the seagoing and T-SECTOR high-tech analytical infrastructure”

GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany
Building 5, main entrance, 1st floor, room 5-1.213 and 5-1.214

Online link:

<https://geomar.webex.com/geomar-en/j.php?MTID=m70ef563b52fd77755d3b343537641f45>



Monday, 14 th July 2025 GEOMAR with online connection (hybrid meeting) - room 5-1.213 and 214		
11 ⁰⁰ – 12 ⁴⁵		PI lunch Meeting (governance issues) – internal meeting
13 ⁰⁰ – 13 ³⁰	Registration and Coffee	
13 ³⁰ – 14 ⁰⁰	Welcome	Welcome to GEOMAR by director Katja Matthes (online) Goals of the by Kaj Hoernle
14 ⁰⁰ – 14 ³⁰	Faces of the T-SECTOR team	Round table introductions of who we are, with an emphasis on new faces that have emerged during the year
14 ³⁰ – 15 ³⁰	T-SECTOR objectives and main activities	Summary of the main activities and developments in the 2 nd year of T-SECTOR including first-step developments and implementations Martin Frank – Hydrothermal activity and sedimentology Charles Langmuir – Igneous petrology Kaj Hoernle - Igneous geochemistry Heidrun Kopp - Geophysics
15 ³⁰ – 16 ⁰⁰	Coffee break	

	Science presentations	Scientific presentation (about 15 minutes plus 5-10 minutes for questions)
16 ⁰⁰ – 17 ¹⁵	Theme 1: Hydrothermal activity and sedimentology Chair: Martin Frank	Melanie Siegburg – Constraining changes in hydrothermal activity at the Reykjanes Ridge and Juan de Fuca Ridge based on elemental and authigenic radiogenic isotope records Jacek Raddatz – Stratigraphic constraints on Reykjanes and Juan de Fuca Ridge sediments Julia Warnatz - Reconstructing past hydrothermal activity at the East Pacific Rise
17 ¹⁵ – 17 ³⁰	Chair: Martin Frank	Discussion
17 ³⁰ – 18 ⁴⁵	Cruise planning & data management	Cruise planning for 2025/26 – M. Frank and H. Kopp: Planning for SEPR cruise Jörg Geldmacher – Some thoughts on (hard rock) drill core handling and curation during SO321/1 Hela Mehrstens – Data and sample management (10 minutes)
19 ⁰⁰ – 21 ⁰⁰	Network Dinner	GEOMAR Terrace / Hallway outside of Seminar Room

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09 ³⁰ – 11 ³⁰	Tour through the seagoing and T-SECTOR analytical infrastructure	For guests and early career researchers in T-SECTOR 09³⁰ – 10⁰⁰ : TLZ Tour – Johannes Karstensen 10¹⁰ – 10⁴⁰ : Clean and MS Lab of M. Frank – Chris Siebert 10⁵⁰ – 11²⁰ : Clean and MS Lab of K. Hoernle – Folkmar Hauff
12 ³⁰ – 13 ⁰⁰		coffee
13 ⁰⁰ – 14 ¹⁵	Theme 2: Igneous petrology Chair: Charles Langmuir	Mingzhen Yu – A 130 ka time-series of SHGs at Reykjanes ridge and Iceland and an overview of SHGs and rock core glasses on Juan de Fuca ridge from SR2510 Siyu Zhao – 2.55 – 2.65 Ma time-series geochemical variation in sediment-hosted glasses at Reykjanes ridge Charles Langmuir – tba
14 ¹⁵ – 14 ³⁰	Chair: Charles Langmuir	Discussion
14 ³⁰ – 14 ⁵⁰	T-SECTOR project management	T-SECTOR project management, engagement & communication issues including info concerning progress reporting
14 ⁵⁰ – 15 ¹⁵	Coffee Break	

15 ¹⁵ – 16 ³⁰ 10 minutes presentation & 5-10 minutes questions/ discussion for each	Theme 3: Igneous geochemistry Chair: Kaj Hoernle	<i>Antina Lippert</i> – Overview of literature isotope data from Juan de Fuca Ridge <i>Pauline Verdurme</i> – Analyses of volcanic glass morphometry: insight on fragmentation processes <i>Jonas Schneider</i> – Overview of literature data for SEPR and unpublished Cook seamount data <i>Oliver Nebel</i> – Scoping degrees of melting with Fe isotopes in MORB glasses
16 ³⁰ – 16 ⁴⁵	Chair: Kaj Hoernle	Discussion
16 ⁴⁵ – 17 ⁰⁰	Coffee Break	
17 ⁰⁰ – 18 ¹⁵	Theme 4: Geophysics Chair: Heidrun Kopp	<i>Benedikt. Bauer</i> - The control of tectonic vs. orbital variations on abyssal hill morphology <i>Michael Riedel</i> - Seismic imaging of the crust-mantle boundary at SEPR and CLEFT <i>Christian Fillbrandt</i> - LOBSTERS and SHRIMPs on the seafloor <i>Benedikt Bauer</i> - First insights into the SENTRY data from RV Sally Ride cruise (SR2510)
18 ¹⁵ – 18 ⁴⁵	Chair: Heidrun Kopp	Discussion
18 ⁴⁵ – 19 ⁰⁰	Closing words	End of the meeting by Kaj Hoernle

Notes: