

ICDP KIND Workshop agenda

Lake Kinneret Drilling: reconstructing Pliocene-Quaternary hydroclimate and the seismic history of the Levant

Potsdam, 12-15 July, 2025

Primary project goal: recover a sediment core spanning the last 4.5 Ma (up 9 Ma) from Lake Kinneret

Workshop goals: a pathway towards a full ICDP proposal

- Generate research questions/hypotheses, including through new collaborations
- Develop drilling, sampling, monitoring and archiving plans
- Matching scientific ideas with drilling and funding opportunities, identification of potential funding sources
- Establish impactful directions for broader impacts/outreach
- Organize international discipline-based teams, clarify leaders' and members' responsibilities, and outline co-funding plans

The workshop will have a mix of presentations to the entire audience and breakout discussions. Key messages from breakout discussions will be reported back to the entire audience.

Overview of the agenda:

Saturday, July 12th: Icebreaker (*between 7-9pm at "El Puerto" restaurant, Lange Brücke 6, 14467 Potsdam, near Hotel Mercure*)

Sunday, July 13th: Introduction and scientific overview

Monday, July 14th: Operational Aspects and Practicalities and proposal planning

Tuesday, July 15th: Final proposal plans

Sunday - Day 1: Introduction and Scientific Overview

- **08:30 – 10:20: Welcome and overview**
 - Introduction to the ICDP workshop, objectives, and expected outcomes (10 min, Torfstein, Bohnhoff, Wiersberg)
 - Overview of ICDP activities (20 min, Bohnhoff)
 - The pathway towards a full ICDP proposal (20 min, Wiersberg)
 - Introduction of the facilitators and participants (~60 min, 1 min/person)
- **10:20 – 10:40: Coffee Break**
- **10:40 – 12:15: Background and overview talks**
 - Geological setting (20 min, M. Stein)
 - Tectonics and seismology (20 min, Shmulik Marco)
 - Geomagnetism (20 min, Korte)
 - Groundwater and geothermal (20 min, Shalev)
- **12:15 - 13:00: Lunch break**
- **13:00 - 14:30: Background and overview talks (cont.)**
 - Paleoclimate (20 min, Torfstein)
 - Modern and past ecosystems (20 min, Litt)
 - The Kinneret limnological lab: overview of available infrastructure, logistics, equipment (Be'eri-Shlevin, 20 min)
 - Overview of Dead Sea Deep Drilling Project (30 min, Goldstein)
- **15:00 - 15:20: Coffee Break**
- **15:20 – 15:50: Deep Drilling Technologies and Techniques**
 - Technologies available for deep drilling in lakes, including equipment and methodologies (30 min, Noren)
- **15:50 – 17:20: Scientific talks – examples of approaches from other relevant projects**
(15 min each)
 - Chronology1 (Armitage)
 - Chronology2 (Nuriel)
 - Sedimentology (Sirota)
 - Fluids and Porewater (Kipfer)
 - Geochemistry (Ibarra)
 - Geomagnetism (Panovska)
- **19:00 - 21:00: Dinner**

Monday - Day 2

- **8:30 – 10:20: Scientific talks – examples of approaches from other relevant projects (cont.)**
 - Palynology (Langgut)
 - Micropaleontology (Hartung)
 - Biology and microbiology (Camille Thomas)
 - Provenance & paleoenvironment (Blanchet)
 - Climate (Biasutti)
 - Time series analyses (Trauth)
 - Outreach and public relations (Kitagawa)

- **10:20 – 10:40: Coffee break**

Operational Aspects and Practicalities and proposal planning

- **10:40 – 13:00: Practicalities of planning and previous work**
 - Lake Kinneret conditions (20 min, Shaked Stein)
 - Current shallow drills in Lake Kinneret (20 min, Shaar)
 - Downhole logging (20 min, Pierdominici)
 - Seismic assessment (20 min, Wetzler)
 - Site Selection and Cores (20 min, Schwab)
 - Overview of drilling campaign and realtime sample handling (20 min, Waldmann)
 - Data management strategies, sample collection methods, and handling (20 min, Kunkel/Heeschen)
- **13:00 - 13:45: Lunch break**
- **13:45 – 15:00: Group Discussions** (13:45 – 14:20: Breakout groups; 14:20 – 15:00: Reporting back to the whole group) :
 - **Explore research interests and questions** (Paytan)
 - What are the overarching questions?
 - List interests and questions
 - **Project objectives** (Beck)
 - List of objectives
 - What are the top 3 objectives?
 - **Samples, Sampling, Analyses** (Blanchet)
 - What samples are needed?
 - What analyses?
 - Rank samples and analyses
- **15:00 – 15:20: Coffee break**
- **15:20 – 17:00: What needs to take place before drilling**
 - 15:20 – 16:10: Breakout to discussion groups
 - Community relationships, outreach, internationality (Kitagawa)
 - Partnerships – academic, industry, community (Mischke)
 - Logistical and knowledge gaps, risk assessment (Katz)
 - Funding (how have other projects been funded?) (Boush)
 - 16:10 – 17:00: Rotation between groups (moderators stay)
- **Free evening**

Tuesday - Day 3: Final Proposal Plans

- **08:30 – 9:50: What needs to take place before drilling**
 - Presentation by each group and discussion (20 minutes each topic)
- **9:50 – 10:20: Previous case studies**
 - Overview of successful case studies from other ICDP projects (Noren)
- **10:20 – 10:40: Coffee Break**
- **10:40 – 11:00: Timeline** (Schwab)
 - Discussion: timeline for the drilling project, including key milestones
- **11:00 – 11:30: Budget** (Boush)
 - Discussion: project budget and financial considerations
- **11:30 - 12:00: Deliverables** (Armon)
 - List of deliverables: Results (observations), scientific, outreach, other
 - What are the globally relevant deliverables?
- **12:00 - 12:30: Defining Roles and Responsibilities** (Goldstein)
 - Coordination between teams, including researchers, technicians, and support staff
- **12:30 – 13:00: Closing Remarks and Workshop Conclusion**
 - Summary of the key points discussed during the workshop (Nuriel)
 - Final remarks and steps forward for the deep drilling project (Torfstein)
- **13:00: Workshop Ends**
- **13:00 – 13:45: Lunch**