



**Online Workshop ADD-ON**  
**Afar Dallol Drilling**  
**ONset of sedimentary processes in an active rift basin**  
**29-30 June 2021**

**Day 1 – 29.06.21**

**Zoom Link for 29th June 2021**

Topic: ADD-ON Workshop Day I

Time: Jun 29, 2021 08:00 AM Central European Summer Time (CEST) - all times listed in the schedule are CEST

Join Zoom Meeting

<https://us02web.zoom.us/j/85203290417?pwd=emRwbjFRVmNjdHBKYk5lMG5CcjFqUT09>

Meeting ID: 852 0329 0417

Passcode: 265950

**Introduction**

- |               |   |
|---------------|---|
| 08.30 – 09.00 | Registration and online morning coffee  |
| 09.00 – 09.30 | Welcome, logistics and practical organization<br><i>Anneleen Foubert (University of Fribourg, CH), Katja Heeschen (ICDP)</i><br>Introduction and Rationale ADD-ON workshop<br><i>Anneleen Foubert (University of Fribourg, CH), Tesfaye Kidane (University of Kwazulu-Natal, SA)</i><br>Introduction ICDP<br><i>Katja Heeschen (ICDP)</i> |

**Session I: Breakthroughs in the geology of the northern Afar**

*Moderator Session I - Tectonics : Balemwal Atnafu*

- |               |   |
|---------------|---|
| 09.30 – 09.50 | Overview of the geology and tectonics of the Afar depression<br><i>Tesfaye Kidane (University of Kwazulu-Natal, SA; Addis Ababa University, ET)</i> |
| 09.50 – 10.10 | Recent knowledge on the tectonics and dynamics from the Danakil region<br><i>Derek Keir (University of Southampton, UK)</i>                         |
| 10.10 – 10.30 | Lightning Talks - Tectonics and Geophysics<br><i>Participants present their interest in the workshop</i>  |
| 10.30 – 11.00 | Discussion and Lightning Questions  |

**11.00 – 11.20                      Coffee break**

*Moderator Session I - Volcanology : Derek Keir*

11.20 – 11.50                      Northern Afar magmatism in the context of the Afar triple junction

*Raphael Pik (CNRS, Université de Lorraine, FR)*

11.50 – 12.10                      Lightning Talks - Volcanology and Geochemistry

*Participants present their interest in the workshop*

12.10 – 12.30                      Discussion and Lightning Questions

**12.30 – 13.30                      Lunch**

*Moderator Session I - Sedimentology : Tesfaye Kidane*

13.30 – 14.00                      History and overview on the sedimentological understanding of the northern Afar: from active field lab towards deep drilling

*Anneleen Foubert (University of Fribourg, CH), Balemwal Atnafu (Addis Ababa University, ET)*

14.00 – 14.30                      Microbial ecosystems and life-limits in the poly-extreme environments of the North Danakil

*Purificacion Lopez Garcia (Université Paris-Sud, FR)*

14.30 – 15.00                      Lightning Talks - Sedimentology, Paleoclimatology and Geobiosphere

15.00 – 15.30                      Discussion and Lightning Questions

**15.30 – 15.50                      Coffee break**

**Session II: Stepping stones towards an ICDP Proposal**

*Moderator Session II : Derek Keir*

15.50 – 16.20                      Some insights into full ICDP proposal writing

*Thomas Wiersberg (ICDP)*

16.20 – 16.30                      Information different break-out groups - Concept of break-out sessions

16.30 – 17.00                      Discussion in different break-out groups (scientific questions) - Round I

17.00 – 17.30                      Discussion and Take Home Messages of the Day - Quest for Logo

## **Day 2 - 30.06.21**

### **Zoom Link for 30th June 2021**

Topic: ADD-ON Workshop Day II

Time: Jun 30, 2021 08:00 AM London

Join Zoom Meeting

<https://us02web.zoom.us/j/87946627645?pwd=K1dmV3JCMEpOZzh4VTR2bXhPS3ZmUT09>

Meeting ID: 879 4662 7645

Passcode: 471761

### **Session III: Insights from successful ICDP and IODP projects**

*Moderator Session III : Anneleen Foubert*

09.00 – 09.30            The Chew Bahir record - 620,000 years of paleoenvironmental history in Eastern Africa

*Frank Schäbitz (University of Cologne, DE), Verena Foerster (University of Cologne, DE) and the Chew Bahir HSPDP Team*

09.30 – 10.00            Deep drilling in an African crater lake shared by two countries (DeepCHALLA)

*Dirk Verschuren (Ghent University, BE), Maarten Van Daele (Ghent University, BE) and Inka Meyer (Ghent University, BE)*

10.00 – 10.30            IODP Expedition 381 ‘Corinth Active Rift Development’: the record of early continental rifting and basin evolution

*Lisa Mc Neill (University of Southampton, UK)*

**10.30 – 10.50            Coffee break**

### **Session IV: Societal and industrial needs in the northern Afar**

*Moderator Session IV : Tesfaye Kidane*

10.50 – 11.10            Geothermal resources and perspectives in the northern Afar

*Jacques Varet (Geo2D, FR)*

11.10 – 11.30            Yara Dallol: Potash exploration and Mine development in Afar

*Henok Haile (Yara, ET) and Gebreegziabher Mekonen (Yara Dallol, ET)*

11.30 – 12.00            Technical drilling/downhole logging information: view from the ICDP OSG Support Group

*Katja Heeschen (ICDP)*

12.00 – 12.10            Lightning Talk

12.10 – 12.30            Discussion on societal needs in the northern Afar

**12.30 – 13.30    Lunch**

### **Session V: Integrative Discussion Round**

*Moderator Session V: Anneleen Foubert*

13.30 – 14.00            Presentations summary of the break-out groups - Round I

14.00 – 14.10	Information mixed break-out groups
14.10 – 15.00	Discussion in different break-out groups - Round II
<b>15.00 – 15.20</b>	<b>Coffee Break</b>
15.20 – 16.00	Summary of the break-out groups - Round II <i>Tesfaye Kidane</i>
16.00 – 16.30	General Scientific Discussion on Technical Drilling Questions/Fund Raising/Supplementary studies and projects <i>Derek Keir, Anneleen Foubert</i>
16.30 – 17.00	Closure of the meeting and outlook <i>Anneleen Foubert, Derek Keir, Tesfaye Kidane and Balemwal Atnafu</i>