



Afar Dallol Drilling – ADD-ON
2nd ICDP Workshop - Addis Ababa - 28-31 Aug 2023
Workshop Program

28 August 2023

- 10.00 – 17.00** **Registration Desk Open**
- 17.00 – 18.00** **Getting to know the ADD-ON Team**
- 18.00 – 19.00** **Ice Breaker Party**
- 19.00 - ...** **Dinner (Ambassador Hotel)**

29 August 2023

- 09.00 – 10.30** **Welcome and Introduction : ADD-ON**
*Moderator : Balemwal Atnafu, Anneleen Foubert
Anneleen Foubert, Balemwal Atnafu, Derek Keir, Tesfaye Kidane*
Welcome address by the Ministry of Mines
Eng. Habtamu Tegegn, Ethiopia
Welcome address by Addis Ababa University
Academic Vice-President Dr. Mitike Molla, AAU
ICDP : Program, Science Plan and Possibilities
Marco Bohnhoff (Executive Director ICDP)
- 10.30 – 11.00** **Coffee break**
- 11.00 – 12.30** **Session I - State of the Art : Danakil Depression, N. Afar**
Synopsis talks on Regional Geology, Geophysics and State of the Art
Moderator : Tesfaye Kidane, Balemwal Atnafu
Basin Rift Dynamics
Valentin Rime
Earthquake activity and deformation
Derek Keir
Geothermal potential in the Afar
Jacques Varet
Geobiosphere : biosphere window into the northern Afar
Puri Lopez Garcia
**Sedimentology, Stratigraphy and Paleoclimatology in the Danakil Depression :
towards deep drilling**
Anneleen Foubert, Balemwal Atnafu
- 12.30 – 13.30** **Lunch break**
- 13.30 – 14.30** **Lightning Talks : scientific interest into ADD-ON**
Moderator : Derek Keir, Haileyesus Negga
3 min talks by all scientists that have volunteered a lightning talk
- 14.30 – 15.30** **Session II - Drilling in the Danakil from an industrial perspective**
Moderator : Anneleen Foubert, Behailu Birhanu



Drilling in the Afar from a Potash-mining perspective

Gebreegiabher Mekonen (Yara Dallol), Henok Tsegaye (former geologist Yara Dallol)

Know-how, technical issues, infrastructural needs and logistics : experience from the Potash Mining Companies

Yonas Bekele (Circum Minerals)

Drilling perspectives from the Tulu Moyo geothermal perspective

Yitemgeta Fantu (Tulu Moyo Geothermal Energy), Tadesse Mamo (Tulu Moyo Geothermal Energy) and Aklilu Tekka (Tulu Moyo Geothermal Energy)

Drilling possibilities and rig availabilities from the energy sector

Serawit Amene (New African Global Energy)

15.30 – 16.00

Coffee break

16.00 – 17.00

Towards a full Drilling Proposal

Moderator : Anneleen Foubert, Derek Keir

Guidelines for writing a full drilling proposal

Katja Heeschen, Marco Bohnhoff (ICDP)

Presentation Draft Science Plan and Knowledge Gaps

Anneleen Foubert, Derek Keir

Presentation drilling sites (status, pros, cons) and priority site Dallol

Anneleen Foubert, Derek Keir

17.00 – 18.30

Introduction Posters + Poster session + little apéro

19.00 - ...

Dinner (2000 Habesha)

30 August 2023

09.00 – 10.15

Break-out Session I - Scientific Drilling Objectives / Drilling plan

Moderators : Ameha Muluneh, Samuel Chernet and Bahru Asegahegn

Reporters : Frank Zwaan, Ian Bastow and David Moreira

Break-out sessions : key hypotheses and drilling strategy

All participants

10.15 – 10.30

Summary Break-Out Session I : Towards a full Science Plan

Moderators and reporters Break-Out Sessions

10.30 – 11.00

Coffee break + Posters

11.00 – 12.30

Session III – Societal relevance

Moderator : Tesfaye Kidane, Derek Keir

Hydrogeology in the Afar : water resources, pollution and groundwater resources

Behailu Birhanu

Seismic Hazards in the Afar & Seismic observatory network

Atalay Ayele

Green Geothermal Village Concept

Jacques Varet (Geo2D) and Ismael Ali Gardo (AGAP)

Open Discussion Round on Societal Relevance

All participants



12.30 – 13.30	Lunch break
13.30 – 15.30	Break-out Session II – Sampling strategy & Management / Geophysical downhole logging / Gas and Fluids / ADD-ON Earth Observatory <i>Moderators : Atalay Ayele, Nicolas Waldmann, Lisa McNeill</i> <i>Reporters : Caroline Pagli, William Hutchison, Amde Tedesse</i> Introduction into core and sampling handling <i>Katja Heeschen (OSG, ICDP)</i> Introduction into geophysical downhole logging + gas and fluid monitoring <i>Katja Heeschen (OSG, ICDP) in collaboration with Jochem Kueck (OSG, ICDP), Simona Pierdominici (OSG, ICDP), Thomas Wiersberg (OSG, ICDP) & Christian Zeeden</i> Break-Out sessions <i>All participants</i>
15.30 – 16.00	Coffee break + Posters
16.00 – 16.30	Wrap-Up Break-out Session II : Towards a sampling plan <i>Moderators and reporters Break-Out Sessions</i>
16.30 – 17.30	Funding resources, time plan and wrap-up <i>Moderator : Anneleen Foubert, Derek Keir</i> Open Discussion Round on Funding Resources : matching funds <i>All participants</i> Open Discussion Round on Future Avenues : IODP Leaps <i>Anneleen Foubert, Katja Heeschen</i> Outlook and time plan <i>Anneleen Foubert, Derek Keir</i>
19.00 - ...	Dinner (Beer Garden)
<u>31 August 2023</u>	
09.00 – 12.00	Visit Unity Park
12.00 – 14.00	Lunch (Dashen Terera)
14.00 – 15.30	Visit Lucy Museum
15.30 – 16.30	Traditional Ethiopian Coffee Ceremony
16.30 – 18.00	Session IV : Education and Outreach (School of Earth Sciences, AAU) <i>Moderator : Balemwal Atnafu, Addis Endeshaw, Anneleen Foubert</i> Local education in geosciences <i>Balemwal Atnafu (AAU), Yasin Kadir (Semera University)</i> A new geological map for science, education and society <i>Valentin Rime, Anneleen Foubert, Balemwal Atnafu, Tesfaye Kidane</i> Open Discussion Rounds on Education and Outreach <i>All participants + students AAU</i>
19.00 - ...	Departure participants



01 September 2023

09.00 – 12.00

Reporting and follow-up PI's + local organization committee

Please note that all sessions will be streamed online. For the break-out sessions there will be an online discussion platform organized. The zoom-links will be sent shortly before the workshop. Please note that internet connections may become unstable during the conference.