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to all our icdp friends

from **Marco Bohnhoff,**
icdp Executive Director

Dear ICDP fellows, PIs, continental scientific drillers and those who read this and will hopefully become one of the earlier addressees!

Following a long-lasting and exhausting lockdown phase in various intensities all over the globe ICDP is happy to update you on progress in several of our recently funded projects. Furthermore, there is light at the end of tunnel with regard to upcoming workshops and announcements for future meetings and conferences with ICDP participation.

Best regards and keep the faith in continental drilling,
Marco - ICDP Executive Director



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project news

DOVE, Drilling Overdeepened Alpine Valleys is currently underway in Switzerland (Basadingen) and Germany (Tannwald). Drilling at the Basadingen site in Northern Switzerland is on the way to core through a glacially overdeepened trough filled with multiple sequences of Quaternary sediments all the way to the bedrock contact at about 250 m depth. More than half of the target depth has already been drilled with excellent core recovery. Drilling at Tannwald includes three boreholes approx. 160 m deep, two of which - designed for geophysical investigations with no core recovery - were completed by end of June. The third borehole at the Tannwald site serves to retrieve continuous core with a scheduled start in early August.

The first phase of the Bushveld Complex Drilling Project (BVDP) was launched in April with drill core logging. At the University of the Free State in Bloemfontein scientists are currently describing a 6-km-long drill core that was donated by Impala Platinum Ltd. The core covers the upper two-thirds of the 9 km-thick Bushveld layered intrusion. The BVDP project plans drilling approximately 3 km through the lower section of the intrusion and through the base of the intrusion in late 2021 or early 2022.



Marking and logging drill cores from the Bushveld Complex Main Zone. Photo: J. Magson, University of the Free State, South Africa

Drilling the Eger Rift (EGER) held their first sampling party on core material of the 239 m deep Hartousov F3 borehole at the Core Repository of the German Geological Survey in Berlin between July 27-29.

At the British Geological Service, the science team for Integrated Understanding of the early Jurassic Earth System and Timescale (JET) is making good progress describing and sampling the core material drilled 2020 at Prees, UK. Core processing and sampling programme will continue until September.

Tenders for drilling the 3.22 Ga Moodies Group as part of the Barberton Archean Surface Environments (BASE) have been published and contracts for temporary land use with four owners and for water usage are currently being drawn up. The BASE team expects to drill 9 inclined holes at 5 sites between early October and January to March 2022. A shop in a large hall of a historical industrial building in central Barberton will serve to store and process core and do outreach and education.

Congratulations to all PIs for progressing with their projects even under difficult pandemic boundary conditions!



upcoming

icdp workshops

Despite the ongoing pandemic situation and related travel-restrictions ICDP is planning to conduct workshops in a hybrid format from fall 2021 onwards, allowing virtual and in-person participation. First priority will be given to project-specific workshops serving to form scientific drilling project teams to prepare ICDP full proposals. These are:

The workshop on Drilling Pliocene Lakes in Western North America (PlioWest) addresses questions related to the Pliocene warmth and combines virtual working group meetings in August-September followed by an in-person and virtual workshop, September 23-26, 2021 at LacCore/CSDCO, Minneapolis, Minnesota, USA. The application deadline is August 6.

The USA Margin PETM workshop will discuss coring of transects to collect new material to evaluate the Paleocene-Eocene Thermal Maximum (PETM) and attendant Carbon Isotopic Excursion (CIE). The workshop will take place December 10-12 as virtual and in-person event in New Brunswick, New Jersey, USA. Please apply by September 15.

The first ICDP workshop on Afar Dallol Drilling (Afar Dallol Drilling: ONset of sedimentary processes in an active rift basin, ADD-ON) was held June 29-30 as an online event. A second ADD-ON workshop with in-person participation in Addis Ababa (Ethiopia) is anticipated for January 10-14, 2022. Both workshops serve to explore drilling targets in the Danakil Depression (Afar, Ethiopia) to get insights into the sedimentary evolution of an active rift setting and interplay with volcano-tectonics.

In addition, ICDP is currently preparing thematic meetings on topics in-line with the key science themes of the recently launched ICDP Science Plan 2020-2030. The first meetings will be on Geothermal Research and Paleoenvironmental Research on Lacustrine Sediments. For further details and information please see the next ICDP newsletter!

Furthermore, ICDP will be present on major international meetings including the Fall Meeting of the American Geophysical Union in New Orleans as well as:

The DEEP21 Conference is a hybrid (in-person and virtual) International Symposium on Deep Earth Exploration and Practice, to be held 26-31 October 2021 in Nanjing, China, and online. As a sponsor of DEEP21, ICDP cordially calls for abstracts to the session "Downhole monitoring of geodynamic processes: opportunities and challenges" or to any other session. Deadline is August 1, but slightly later applications may also be considered.

Detailed information about the individual projects, workshops and how to apply can be found on [the ICDP website](#).



Replica of a 2.3 Ga old drill core from the ICDP project FAR-DEEP, designed in preparation of an exhibition at the Natural History Museum in Vienna, Austria. Photo: ICDP

Stay safe, stay healthy, keep calm & drill

your icdp team from potsdam