

Current status and the way ahead



Scientific Drilling at EGU 2013




**Joint IODP-ICDP
Townhall Meeting**

Tuesday, April 9, Room B5, 19h00-20h00
European Geosciences Union General Assembly 2013

The Integrated Ocean Drilling Program and the International Continental Scientific Drilling Program are major programmes supporting scientific drilling projects.

ICDP and IODP scientists and programme representatives will provide brief updates on recent achievements and new projects addressing key scientific questions such as Climate Dynamics and Geohazards related to earthquakes, landslides and volcanic eruptions.

All EGU participants with an interest in these topics are cordially invited to the reception and discussion.

www.iodp.org www.ecord.org www.icdp-online.org



SCIENTIFIC DRILLING, the IODP-ICDP program journal

SD No. 16 (Nov. 2013)



4 x Science Reports
2 x Progress Reports/
Technical developments
4 x Workshop Reports

SD No. 17 (April 2014)



2 x Science Reports
3 x Progress Reports/
Technical developments
3 x Workshop Reports

SD No. 18 (publication is planned for November 2014)

Current submission status: 2 x Workshop White paper (ready for publication)
1 x Workshop Report (in review)
1 x Technical Developments (typesetting)

Deadline for manuscript submission is September 19

Scientific Drilling Session on Conferences (EGU + ISC)

EGU: “Major achievements and perspectives in scientific ocean and continental drilling” (IODP/ECORD – ICDP)“



EGU 2015: co-chairs from the presenting projects?

Conference Actions: Town Hall Meetings

Since 2005: ICDP-IODP/ECORD Town Hall Meeting at EGU

2006-2013: ICDP-DOSECC Town Hall Meeting at AGU

2014: First ICDP-IODP Town Hall Meeting at AGU



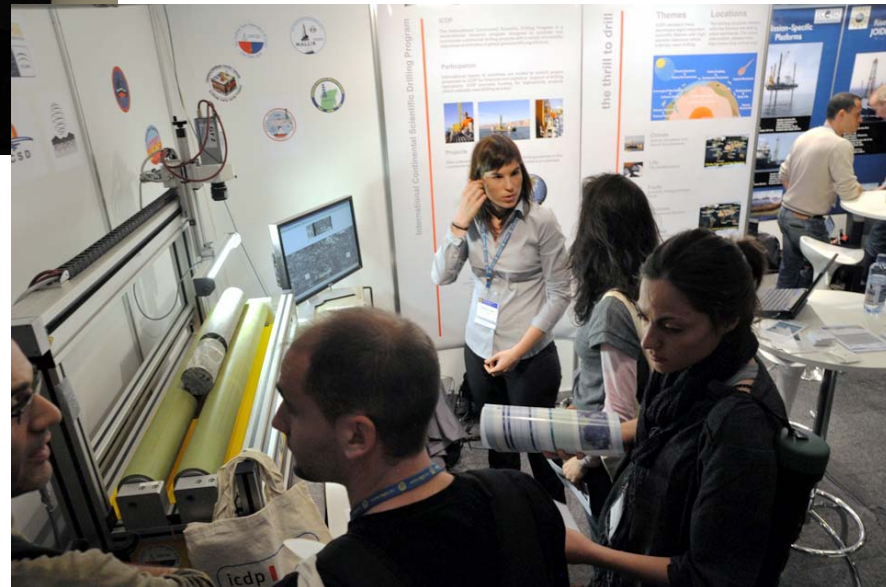
Reports on upcoming projects, recent achievements and program developments
Generally 100-200 attendees

Conference Actions: ECORD/IODP – ICDP booth



2014: EGU 2014
ISC/Geneve
AGU Fall Meeting
(flyer, logistics)

2015: EGU 2015 (12.-17.April)
AGU Spring Meeting?
(3.-7.May, Montreal)
2016: IGC/South Africa



ICDP Training Course



Next: October 06-10, 2014,
in New Zealand
33 invited participants
from 14 countries

Continent-Ocean transect proposals

Before: Different proposals to IODP and ICDP,
two evaluation processes, sometimes two
different recommendations

Now: One proposal jointly evaluated by an
IODP ICDP task force

EOS call?



New Jersey Drilling. Photo: E. Gillespie, IODP



ICDP Activities (as of August 2014)

Proposals submitted

>260 (2014: 7 Full Proposals, 11 Workshop Proposals, 1 Pre-proposal)

ICDP Workshops

76 (2013: 3 workshops, 2014: 1 workshop held, 6 workshops planned and announced)

ICDP Drilling Projects

30 completed

4 running (COSC, HSPDP, Songliao, GONAF)

3 upcoming (Alpine Fault, Lake Towuti, IDRAS)

ICDP Workshops 2014



UPCOMING

Drilling the Bushveld complex

September 7-9, 2014, South Africa

Coring Paleogene Hemipelagic Sediments

September 10-12, Tanzania

Krafla Magma Drilling

September 15-19, Iceland

Colônia Sediment Archive Drilling

September 26-29, Brazil

A new drill core at Surtesey Volcano

September 30-October 4, Iceland

Drilling the Cretaceous Songliao Basin in China (DPCSB)

Two boreholes (SK-I(n) and SK-I(s)) with a total length of 2486 m and core recovery of 96.5% covering the Mid to Upper Cretaceous strata.



SK-II proposes to obtain about 4500 m cores of Huoshiling to Quantou Formation to form with the SK-I(n) and SK-I(s) a nearly complete Cretaceous terrestrial sedimentary record

Spud in of SK-II was on April 13, 2014 using the new Chinese rig “Crust-I” with 10 km depth capacity. On-site facilities include an engineering center and the on-site core repository.

Collisional Orogeny in the Scandinavian Caledonides (COSC)



COSC focuses on the transport and emplacement of subduction-related metamorphic complexes onto the Baltoscandian platform and interaction with the underlying allochthons and basement to better understand orogenic processes, both in the past and in today's active mountain belts.

Drilling started on April 28, 2014 and reached target depth (2496 m) on August 18 with >95% core recovery.

Live-video during ICDP-ECORD/IODP EGU 2014 Town Hall Meeting



Hominin sites and paleolakes drilling project (HSPDP)



HSPDP collects lacustrine drill cores from five sites in the African Rift Valley to understand the environmental context of human evolution.

WT (Western Turkana): 175 m (2013)

TH (Tugen Hills): 228 m (2013)

NA (Northern Awash): 245 m (2014)

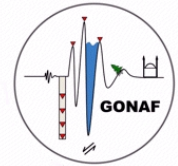
LM (Lake Magadi): 198 m (2014)

CB (Chew Bahir): will be drilled in late 2014

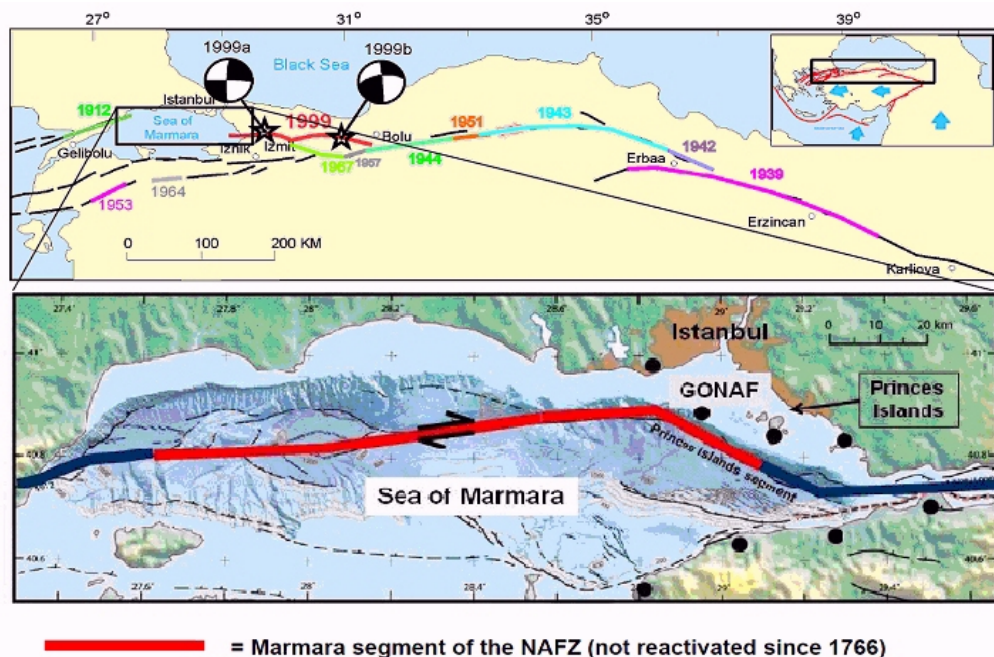
Two videos are in production (one by Dan Brinkhuis)



Geophysical Observatory at the North Anatolian Fault (GONAF)



GONAF involves the installation of a high-resolution borehole seismic observatory to monitor the seismic activity of the Istanbul region in eight 300 meter deep holes.



Three of eight boreholes have been drilled in 2012 and 2013. Drilling and completion is ongoing and is scheduled to be finished in 2015.

