

**Deep Carbon Observatory Deep Life Workshop to Develop an ICDP Project  
GeoForschungZentrum, Potsdam, Germany 03-04 November 2014**

**Monday, 03 November 2014**

- 9:00 Introduction, welcome by GFZ and ICDP personnel, introduction to ICDP funding structure – Brian Horsfield and/or Uli Harms
- 9:15 Explanation of aims of the workshop, ground rules, criteria for selection of project(s)/site(s) – Kieft, Onstott
- 9:30 Exploring the deep biosphere: what is the optimal strategy for sampling subsurface biomes? – Phil Long, Lawrence Berkeley National Lab
- 10:00 Start 10-minute talks on proposed projects/sites
- 10:00 The Death Valley Regional Flow System: A Fault-controlled Deep Life Oasis of Geological, Seismic, and Societal Significance – Duane Moser, Desert Research Inst.
- 10:10 Shale interfaces as heterotrophic hotspots in the deep subsurface – Mike Wilkins, Ohio State Univ.
- 10:20 Exploring microbial diversity and function within the granitic-basaltic deep crustal system of Koyna-Warna (India) region – Pinaki Sar, Indian Inst. of Technol.
- 10:30 Break, coffee and visit posters
- 11:00 Viable halophilic microorganisms in deep ancient salt deposits – Helga Stan-Lotter, Univ. Salzburg
- 11:10 Drilling in salt evaporitic basins for assessment of long term survival of microbial ancient communities. Sergiu Fendrihan, Romanian Bioresource Centre
- 11:20 DREAM - Uncovering a Salt Giant – Vanni Aloisi, LOCEAN – IPSL Univ. Pierre et Marie Curie
- 11:30 Drilling mud volcanoes and sedimentary rocks in Taiwan for deep life study – **Li-Hung Lin**, Geosciences/Nat'l Taiwan Univ.
- 11:40 Drilling to Ginnungagap: Exploring the Subsurface Biosphere of Iceland – Eric Gaidos, Univ. Hawaii at Manoa
- 11:50 The deep biosphere in the seismic active geosphere – Dirk, Wagner, GFZ
- 12:00 Outokumpu drill hole – Lasse Ahonen, Geological Survey of Finland
- 12:10 Building Subsurface Bridges: Linking the active marine subsurface population to the terrestrial subsurface biosphere – Heath Mills, Univ. Houston Clear Lake
- 12:20 A multi-phasic molecular characterization of terrestrial subsurface fungal populations – Brandi Reese, Texas A&M - Corpus Christi
- 12:30 Lunch in the foyer
- 14:00 Viruses in the deep subsurface – Bert Engelen, Univ, Oldenburg, ICBM
- 14:10 open time slot, remote participant input?
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- 15:00 Break, coffee and visit posters
- 15:30 Explanation of peer review process to be used
- 16:00–18:00 Break-out sessions for peer-review of proposed projects/sites
- 19:00 Group dinner at the Loft Restaurant

**Tuesday, 04 November 2014**

- 8:30 Technical talk on drilling/coring/tracers, etc. for scientific drilling –Tom Kieft
- 9:00 Report from Break-out groups on proposed projects/sites
- 9:30 Plenary discussion of projects/sites
- 10:00 Break
- 10:30 Initial ranking of projects/sites – High, Medium, Low. Discussion of which of these should go forward for Jan. 2015 Pre-proposal(s) to ICDP.
- 12:00 Lunch in the GFZ cantine
- 13:30 Writing assignments
- 14:00 Writing individually and in small groups, following the ICDP proposal guidelines.
- 15:00-15:30 Coffee break
- 17:00 Progress reports from individuals and groups to the larger group,
- 18:00 Closing