



ICDP workshop

Quaternary Tertiary Tropics – Colônia Sediment Archive Drilling Project (QUE COISA)

Sept 26 - 29 2014, São Paulo, Brazil

The 3.6 km diameter Colônia structure near Sao Paulo in southern Brazil located in Proterozoic crystalline rock is filled with 230 m of organic-rich, fine-grained sediments. Drilling the Colônia sediments is expected to provide a unique archive on Southern Hemisphere climate and tropical rainforest evolution, as the sediment fill may reflect a long period of Quaternary sedimentation history spanning multiple glacial and insolation cycles. Drilling into the basement of the circular Colônia structure will also gain critical information to unravel its potential origin by meteorite impact.

Members of the international scientific community, who are interested in contributing to the planning of an ICDP deep drilling proposal and participating in the associated research project, are invited to apply for participation in the workshop on Colônia to be held in São Paulo, Brazil, from September 26 to 29, 2014. Travel support through ICDP is available for selected participants who intend to contribute to a drilling proposal. Preference will be given to researchers from ICDP member countries and Brazil. Potential fields of interest include impact crater studies, paleoclimate research, paleoecology, various dating methods, age modeling, inorganic and organic geochemistry, stable isotope geochemistry, mineral magnetism and paleomagnetism, seismic stratigraphy, and climate modeling and investigation of subsurface biosphere. The workshop will review existing datasets and interpretations and will discuss objectives and goals of a deep drilling project, scientific collaboration and responsibilities, potential drill sites and operations, logistics, funding, and permitting – in preparation of a full drilling proposal to ICDP. The workshop will include a one-day excursion to Colônia on 27 September.

Interested scientists are invited to send a 1-page outline of their interest before 20 July 2014 to Marie-Pierre Ledru, Montpellier, France, marie-pierre.ledru@ird.fr, Wolf Uwe Reimold, Berlin, Germany, Uwe.Reimold@mfn-berlin.de, or Alvaro Crósta, University of Campinas, Brazil, alvaro@ige.unicamp.br. Selected participants will be informed in late July 2014.