

GONDWANA 14 – “East Meets West”

Field Trip DurGo-5 - How the laymen understand Gondwana: the popularization of geology for the non-scientific community

The main intent of this field trip is to visit locations in the so called Blue Coast of Rio de Janeiro, where some interpretative panels of its geology were installed, showing the importance of Gondwana for a non-scientist audience. These panels are part of the “*Projeto Caminhos Geológicos*” (Geological Ways Project) and they expose informations about the amalgamation and break up of Gondwana and its geological evidence. Also included on this field trip are other sites of geological interest such as dune fields, palaeocliffs, paleolagoons and a conglomerate, described by Charles Darwin in 1832, while visiting Brazil.

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Day: September 28th, 2011

Participants: 10 (minimum), 25 (maximum)

Registration deadline: May 31st, 2011

Registration Fee: US\$ 100 (Including bus, lunch and field trip guide).

SCHEDULE

Armação dos Búzios

Stop 1 (8:15 – 8:45h) – Lagoinha Point. Geological information: Búzios Orogeny (“Brazilian Himalaya”).



Stop 2 (8:50 – 9:20h) – Forno Beach. Geological information: Pink sand beach caused by the abundance of garnet from the basement rocks.



Stop 3 (9:40 – 10:10h) – Geribá Beach. Geological information: the opening of the South Atlantic Ocean and the end of the “Brazilian Himalaya”. Stop for snacks!



Cabo Frio

Stop 4 (10:40 – 11:10h) – Palaeolagoon of Tauá Preservation area. Geological information: sea-level fluctuation in Holocene.



Stop 5 (11:25 – 11:55h) – Palaeocliffs of Rasa Beach. Geological information: tectonic breccia, sea-level fluctuation, bio and geodiversity.



Stop 6 (12:10 – 13:40h) – Campos Novos Farm. Farm visited by Charles Darwin – lunch time!



A wide-angle photograph of a sandy beach. In the foreground, the sand is marked with numerous footprints and tire tracks. A small, dark-colored vehicle is parked on a dune in the middle ground. Behind the vehicle, there is a line of green bushes and shrubs. In the background, the calm sea meets a distant, hazy coastline with mountains under a sky filled with soft, white clouds.



Arraial do Cabo

Stop 8 (15:40 – 16:10h) - Pontal do Atalaia: visit to resurgence point, dike swarm, sambaqui and view of Cabo Frio Island.





17:30h – Arrive in Búzios.