



GONDWANA 14 – “East Meets West”

Field Trip PreGo-1 – Paraná I – The Paleozoic Succession

The objective of this field trip is to provide to the participants a general perspective of the Paleozoic succession of the Paraná Basin, focusing on sedimentology, stratigraphy and petroleum geology of three different supersequences: Ordovician-Silurian, Devonian and Permocarboniferous. During these four days trip participants will be able to observe: 1. the unconformable boundary between the Late Ordovician glacial deposits of the Iapó Formation and the Devonian shallow marine Furnas sandstone; 2. the Devonian transgression, marked by the sharp passage between the Furnas sandstone and the Ponta Grossa marine shales; 3. Late Carboniferous glacially influenced marine deposits of the Itararé Group, including thick sand-rich units correlative to gas-bearing reservoirs; 4. the Early Permian, coal bearing fluvial, to shallow marine deposits of the Rio Bonito Formation; 5. The Permian, oil prone, black shale of the Irati Formation at the Petrobras Oil Shale Plant in São Mateus do Sul.

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Period: September 19th to 23rd. Starts and ends in Curitiba – PR

Maximum number of participants: 16

Minimum number of participants: 12

Registration deadline: May 31st, 2011

Registration fee: US\$ 900 - includes hotels, field transportation and lunches

SCHEDULE

Day 0 (Monday, Sep 19th): Participants arrive in Curitiba

Group meeting at the [Radisson Hotel](#) around 6 pm: general geological information on the Paraná Basin and field trip itinerary.

Night in Curitiba



Day 1 (Tuesday, Sep 20th): Curitiba – Lapa – Curitiba

Outcrops of Late Carboniferous glacially-related deposits of the Paraná Basin, including thin-bedded rhythmites with dropstones, resedimented diamictites and channel fill sandstones of the Itararé Group.

Night in Curitiba

Day 2 (Wednesday, Sep 21st): Curitiba – São Mateus do Sul – Curitiba

Early Permian rhythmites and diamictites of the upper part of the Itararé Group. Visit to Petrobras oil shale plant in São Mateus do Sul and an outcrop of the Permian Irati Shale. Coal-bearing deltaic deposits of the Rio Bonito Formation (Early Permian).

Night in Curitiba

Day 3 (Thursday, Sep 22nd): Curitiba – Ponta Grossa – Castro – Tibagi

Visit to the Vila Velha State Park in Ponta Grossa, with nice outcrops of Late Carboniferous turbidite sandstones. The Ordovician to Devonian succession between Castro and Tibagi, including diamictites of the Late Ordovician glaciation (Iapó Formation), Early Devonian marine sandstones of the Furnas Formation and an outcrop of the boundary between the Furnas sandstones and the Ponta Grossa shales near Tibagi, recording the Devonian marine flooding in the Paraná Basin.

Night in Tibagi

Day 4 (Friday, Sep 23rd): Tibagi – Ventania – Ibaiti – Curitiba

Stratigraphic profile of the Late Carboniferous to Early Permian succession between Ventania and Ibaiti, including glacially influenced subaqueous gravity flow deposits and tide dominated estuarine deposits.

Drive back to Curitiba (260 km).

Night in Curitiba











