

Integration of petrological and geophysical data of magmatism in continental basins

Trieste, 11 April 2011

Universita' di Trieste, Dipartimento di Geoscienze, Aula A, Pal. O

First Trieste Workshop in the frame of the joint Projects between University of Sao Paulo (Brazil), University of Trieste (Italy), University of Padua (Italy) and Instituto de Pesquisas Espaciais - INPE (Jose dos Campos - SP - Brazil). The scope of the workshop is to illustrate geophysical and petrological properties of the lithosphere and mantle and to discuss the link between them. The presentations will be targeted both to petrologists and geophysicists, in order to allow a fruitful discussion between the two disciplines. Colleagues and students are all invited to attend the meeting.

Workshop Agenda

Presentations I (9:00-12:20)

9:00-9:10: Carla Braitenberg (10 min) Introduction to the workshop

9:10-9:50: Naomi Ussami: (40 min) An overview of the Parana basin lithospheric structures from gravity and seismological studies

9:50-10:20: Carla Braitenberg (30 min) Geophysical constraints on crustal magmatism and magmatic underplating

10:20-10:50: Coffee break

10:50-11:10: Patrizia Mariani (30 min) Relationship between geology and gravity signal in the Parana' basin.

11:10-11:40: Everton Bomfim (30 min) Overview on geophysical parameters and magmatism in Amazon basin

11:40-12:20: Icaro Vitorello (40 min) Probing of the Paraná Basin geo-electric lithosphere and tracing its probable relationship to the Cretaceous magmatism.

12:20-14:30: Lunch at Posto delle Fragole on University Campus

Presentations II (14:30-17:30)

14:30-15:10: Piero Comin Chiaramonti (40 min) A review of Carbonatitic magmatism in the Parana'-Angola-Etendeka System

15:10-15:50: Angelo De Min (40 min) Petrology of Parana'

15:50-16:10: Coffee break

16:10-16:50: Andrea Marzoli (40 min) Petrology of CAMP

16:50-17:30: Final discussion

Dinner: 20:30 at Citta' di Pisino, Via Alberto Boccardi 7, 34121 Trieste

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