

INTRAPLATE TECTONICS AND BASIN DYNAMICS

**Zürich'97**

## **EUROPROBE *GeoRift* WORKSHOP**

15-19 OCTOBER 1997 • ETH ZÜRICH GEOLOGICAL INSTITUTE

### **Report of the Zürich'97 EUROPROBE Workshop**

The 1997 workshop of the EUROPROBE *GeoRift* project was hosted by the Geological Institute, ETH Zürich 15-19 October 1997. The host organisation as well as EUROPROBE and the Swiss International Lithosphere Committee provided funding for the meeting. About 50 scientists from ten different European countries, as well as Australia, Canada and the United States participated (cf. **Attachment #1 “List of Participants.”**) and were very well looked after by the hosts. The programme included cultural excursions in the central part of Zürich, providing, among other things, an opportunity for visitors from Russia and Ukraine, and others, to visit the home used by Lenin at the time of the February 1917 Revolution.

The main theme announced for discussion at the workshop was “Intracratonic Rifting and Inversion”, with a special emphasis on the formation and post-rift evolution of the Donbas Foldbelt, as a case study (cf. **Attachment #2 “First Circular”**). The scientific programme (**Attachment #3 “Program”**) was arranged according to (1) a presentation of the main problems related to intracratonic rifting and inversion and why the Donbas Foldbelt was a suitable target for a case study of these, (2) the existing geological/geophysical database in the region of the Donbas Foldbelt and for related, or similar, targets, (3) the acquisition and interpretation of images of the crust and upper mantle in terms of the main problems of intracratonic rifting and inversion, (4) the interplay of tectonics and sedimentation in intracratonic rifts, and (5) new methodologies for and results of the quantitative modelling of basin formation and evolution. A complete set of abstracts of oral and poster presentations made at the workshop were distributed to the participants. The cover page of the abstracts volume is included here as **Attachment #4**.

One of the main issues discussed at the Zürich'97 workshop was how to proceed with the foundation of a consortium of institutions to carry out the proposed DOBRE multidisciplinary project (comprising new seismic reflection and refraction surveys and ancillary geoscientific studies) in the region of the Donbas Foldbelt and adjacent areas (cf. **Attachment #5**). The Geological Committee of Ukraine and the National Academy of Sciences of Ukraine (Institute of Geophysics) have made a formal commitment to the financial, organisational, and operational support of the DOBRE Project; this has been documented by a Memorandum of Understanding between these organisations and EUROPROBE, signed in September 1997 (**Attachment #6**). One expression of the commitment and support of the Geological Committee of Ukraine to DOBRE was the participation of its vice-chairman, M. Evdoshuk, at Zürich'97. Further, the Russian Ministry for Natural Resources plans to carry out seismic surveys across the Karpinsky Swell geological structure, at the eastern end of the Donbas Foldbelt; these are seen as complementary to the DOBRE project in Ukraine. Additional seismic profile(s), connecting the Ukrainian and Russian profiles, were discussed among the interested participants. A special report summarising the discussions regarding DOBRE and the planned Russian profiles, including expressions of interest by other organisations and

resolutions made at Zürich regarding the proposed projects, is in preparation and will be distributed to participants in December '97.

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Amsterdam 31 October 1997

Attachments:

- 1 - List of Participants
- 2 - First Circular, objectives of the workshop
- 3 - Scientific Programme
- 4 - Cover page of the abstracts volume
- 5 - DOBRE multidisciplinary project, "Rebuilding the Moho"
- 6 - Memorandum of Understanding, Geological Committee of Ukraine and the National Academy of Sciences of Ukraine (Institute of Geophysics) with EUROPROBE over the DOBRE Project