

1ST WORKSHOP ON LITHOSPHERIC DYNAMICS

(WEILBURG, AUGUST 5-11 1991, GERMANY)

Paris, September 14 1990

Dear colleague

The first workshop on lithospheric dynamics will be held in conjunction with the third workshop on Mantle convection at Weilburg in Germany (100 Km from Frankfurt), August 5-11 1991, a week before the IASPEI meeting in Vienna. This is the first of what we hope will become a regular appointment on a two years basis.

The goal of such a workshop is to provide a place where a thorough and interactive discussion may be possible on :

The identification of the physical processes driving the lithospheric deformation.

The methodological problems associated with their mechanical formulation and numerical approximation

This shall be a unique opportunity :

To tackle open problems (rather than to present final results of a specific study) such as the sensibility of the different models with their physical and numerical inherent assumptions.

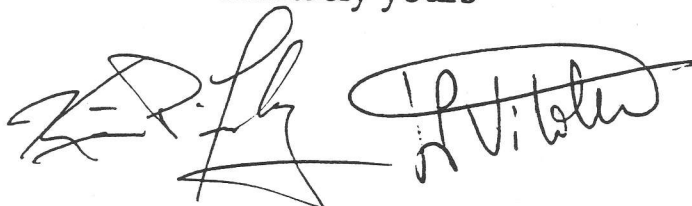
To emphasize new theoretical approaches of some open problems like the scale invariance of the physical processes, the coupling between asthenospheric and lithospheric dynamics.

The outlines of the topics are therefore wide and open. Each of those topics will be introduced by two general lectures in order to stimulate informal discussions between all the participants, during which the use of not only transparencies but also chalk and blackboard will be encouraged.

We hope that, at the end, a need for a next meeting will be shared by all the participants, and that a specific topic will be brought out.

We are on the process of raising external support to help cover the cost of the meeting, and the travel expenses specially for students and non EEC participants. Notifying your interest and suggestions shall be therefore most helpfull. You may return the attached from to one of us. Please pass this circular to anybody you know who might be interested.

Sincerely yours



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