

SPICE - Kick-off Meeting Bayerischzell, BRD January 19-20, 2004

Slovak Republic (Slovakia)



Bratislava



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January 19-20, 2004

Comenius University

Faculty of Mathematics, Physics and Informatics

Department of Physics of the Earth and Planets

magnetohydrodynamics and geomagnetism

physics of the ionosphere and magnetosphere

seismology and geodynamics

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Involved Scientists

**Peter MOCZO
Jozef KRISTEK

Peter FRANEK
Martin GÁLIS**

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Special Expertise of the Group

Development of the methods / codes
and

numerical modeling

of

seismic motion and site effects

and

earthquake source dynamics

Methods We Use and Develop

Finite-difference (FD) Method

Finite-element (FE) Method

Hybrid FD-FE Method

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Ongoing Related Projects

SESAME

Site Effect Studies Using Ambient Excitations

EUROSEISRISK

Seismic Hazard Assessment, Site Effects
and Soil-structure Interaction
in an Instrumented Basin

Infrastructure

Hardware

4 PC Workstations

*Each has 2 Pentium III 1 GHz
2 GB RAM , 120 GB HDD*

1 PC Workstation

*Pentium 4 3 GHz
2 GB RAM , 240 GB HDD*

Software

Fortran 95