

NATIONAL INSTITUTE FOR EARTH PHYSICS - EDUCATION AND PUBLIC OUTREACH ACTIVITIES

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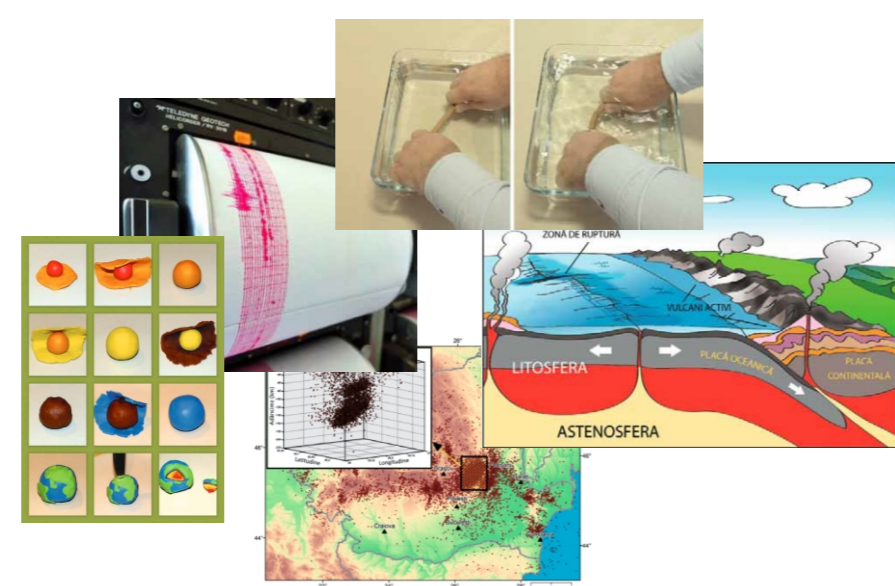
INTRO

The National Institute for Earth Physics – NIEP (www.infp.ro) is the leading institution in Romania responsible for the earthquake monitoring of the country and basic and applied researches in seismology. One important objective of the institute with vital impact on society needs is the improvement of the link between research, education and training. NIEP has become increasingly active in this direction.

DEVELOPING EDUCATIONAL RESOURCES

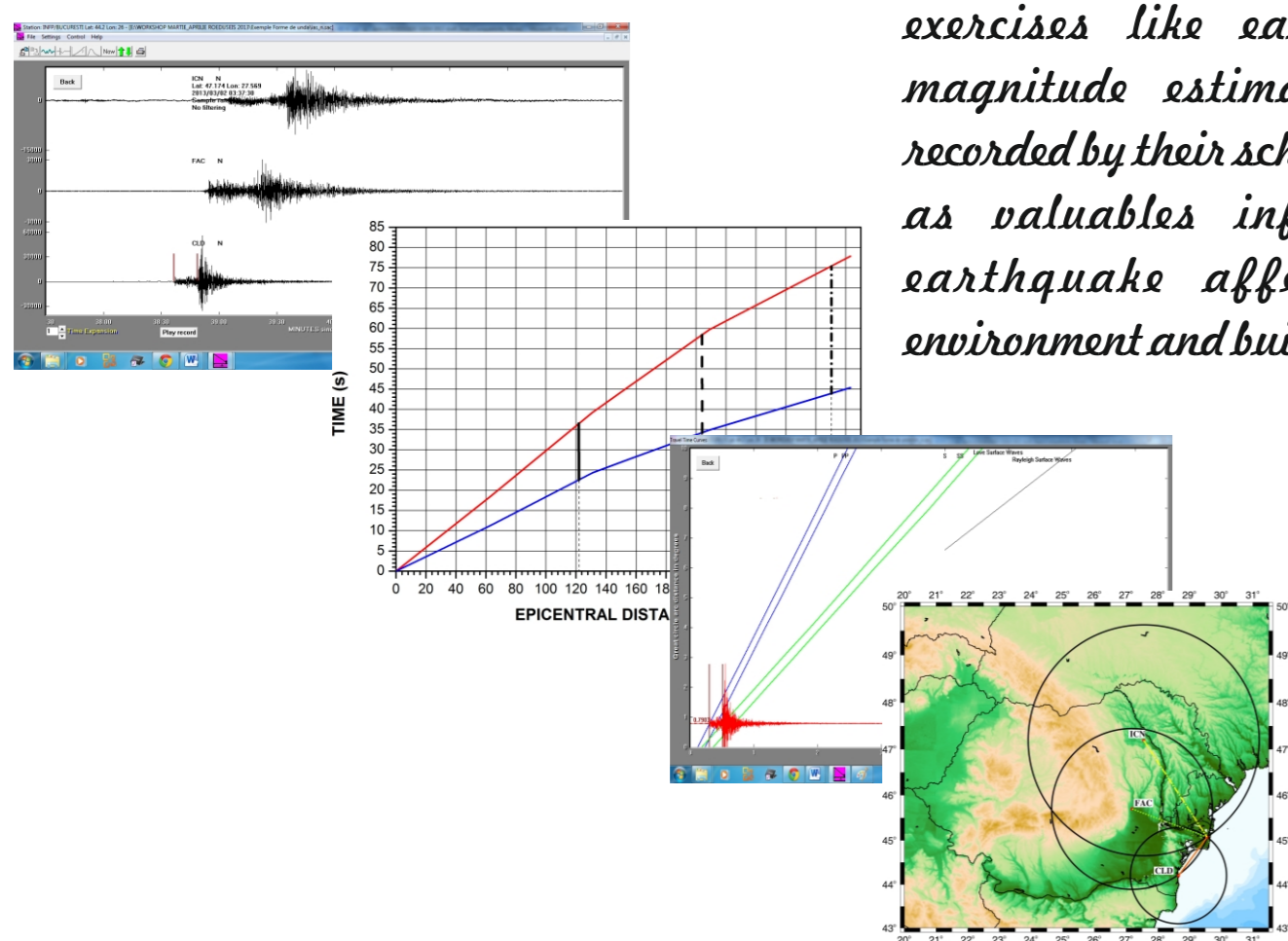


In the framework of ROEDUSEIS project, NIEP has recently developed a complete collection of educational materials for pre-university school level



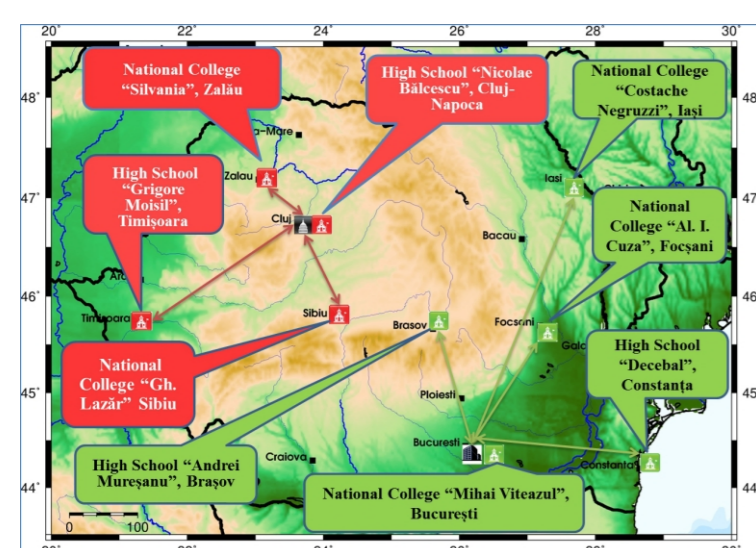
Governed by the concept "learning by doing" Applying this concept the students will develop scientific aptitudes (measurements, direct observations, theory formulation and verification, database study) and they will be attracted to domain as Geology, Geography, Physics, Mathematics, Informatics, etc.

Teaching modules includes laboratory exercises like earthquake location and magnitude estimation using waveforms recorded by their school seismometers, as well as valuable information on how the earthquake affects the surrounding environment and buildings



Romanian Educational Seismic Network Project

The first initiative of using the seismology as a tool for teaching and learning Earth Sciences in Romania (ROEDUSEIS-NIEP).

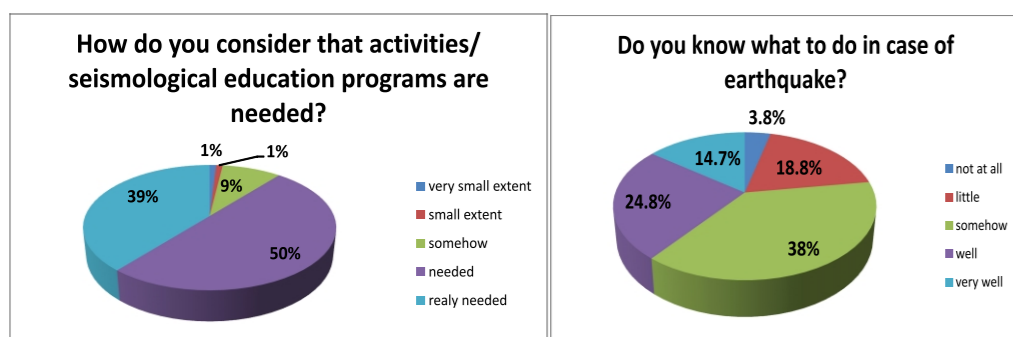


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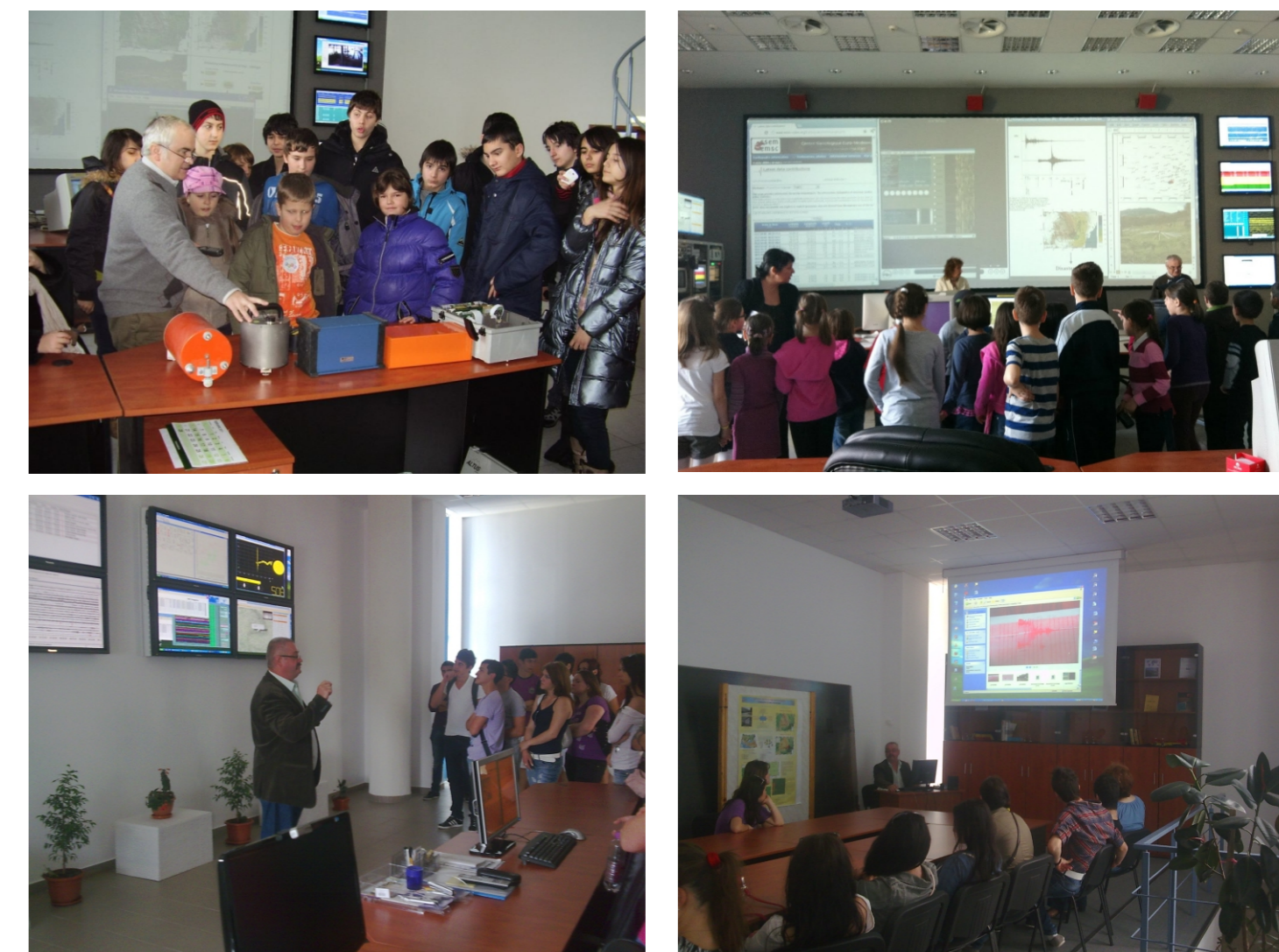
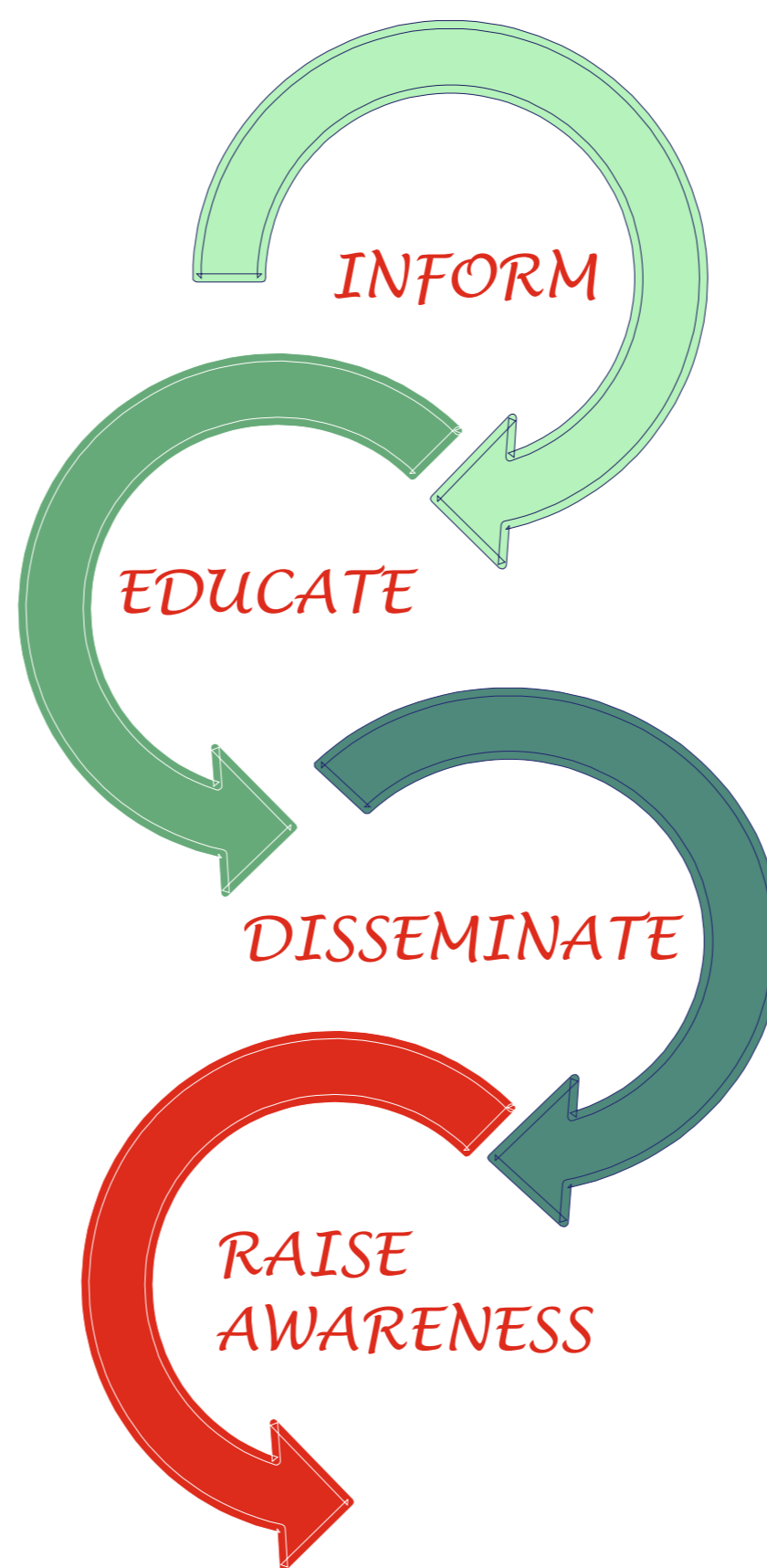
Installing S&P seismometer system at a highschool from Urziceni epicentral area



Determine if the learning resources and the developed materials have generated greater knowledge, improved actions and better awareness amongst the participants.



MISSION



NIEP is also known as a target institution for educational school programs and events. For example in the school week event entitled "Another kind of school - 2013" more than 500 students and teachers visited the Institute in an organized manner getting in touch with seismology and earthquake related topics guided by qualified personnel of the institute.

PROMOTING SCHOOL VISITS AND WORKSHOPS FOR TEACHERS



Project presentation developed in a workshop for teachers and schools managers in each targeted school area

Training workshops for highschool teachers in Cluj-Napoca and Bucharest

NIEP Education & Outreach GOALS

- Provide relevant and understandable scientific information.
- Increase understanding, awareness, and appreciation of the relevance of science and technology.
- Build public support of science and Earth science in general, and seismology in particular.
- Improve quality of science teaching and learning, especially Earth science learning.
- Capitalize on the natural interest of young students in earthquakes, volcanoes, plate tectonics, and other high profile Earth science.
- Open doors to a variety of careers.
- Improving public awareness and education of the population is an essential part of mitigation of natural risks. Starting this effort at the level of schools will certainly be a way to increase the chances of success.

ACKNOWLEDGEMENTS

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