

PRESS40: a project for involving students in active seismic risk mitigation

Carla Barnaba¹, Elisa Contessi² and Maria Rosa Girardi²

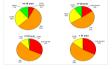
(1) OGS, Centro di Ricerche Sismologiche, Udine, Italy, (2) Istituto Statale Istruzione Superiore Magrini-Marchetti, Gemona del Friuli (Udine), Italy

cbarnaba@inogs.it

OVERVIEW



1976 Friuli earthquake the Istituto Statale di Istruzione Superiore "Magrini Marchetti" in Gemona del Friuli, with the collaboration of OGS, has promoted the PRESS40 Project (Seismic PREventinon at School 40 years after the Friuli earthquake)







THE INVESTIGATED SCHOOLS

mpezzo, Scuola Secondaria I grado Artegna, Scuola Secondaria I grado Buja, Scuola Secondaria I grado Forgaria nel Friuli, Scuola Secondaria I grado Gemona del Friuli - Piovega, Scuola Primaria Gemona del Friuli - Ospedaletto Scuola Primari Magnano in riviera, Scuola Primaria Majano, Scuola Secondaria I grado Moggio Udinese, Scuola Secondaria I grado intenars Scuola dell'Infanzia Nímis, Scuola Secondaria I grado Osoppo, Scuola Secondaria I grado Paluzza, Scuola Secondaria I grado Pontebba, Scuola Secondaria I grado Reana del Rojale, Scuola Secondaria I grado San Daniele del Friuli, Scuola Secondaria I grado Sutrio, Scuola Primaria Tarcento, Scuola Secondaria I grado Tolmezzo, Scuola Secondaria I grado Trasaghis - Alesso, Scuola Secondaria I grado toto Grande. Scuola Primaria eppo Granae, Scuola Frimaria icesimo, Scuola Secondaria I grado nzone, Scuola Secondaria I grado

- To memorialize the anniversary of the
- The project has developed in the 2015-2016 school-year to disseminate historical memory, seismic culture and awareness in the young generations, too often unconscious of past experiences, as recent seismic hazard perception test have demonstrated
- · The senior classes (75 students) have been involved, under the supervision of their teachers and seismologists, in experimental activities to be active part of seismic mitigation process
- · Lectures by seismologists and specific laboratory activity allowed the classes to exploit different aspects of the physics of the earthquake and particularly of the site effect and methods to detect it
- They applied the passive method (ambient noise recordings) to define the site response of significant sites, the school area of their hometown
- 23 municipalities have been investigated; they represent the wide area affected by 1976 Friuli earthquake. At least, 127 measurements of ambient noise have been acquired
- · The OGS supported the students in the field work and data processing, providing instrumentation and software
- · The results of the geophysical survey will be presented by the students to the younger ones of the monitored schools



HOW TO MAKE A GEOPHYSICAL SURVEY AT SCHOOL