

The fallout of the Friuli earthquake

Vincenzo Petrini

Italy (ipetrini@tiscali.it)

The aim of this paper is not to commemorate the Friuli earthquake and the reconstruction process; in fact, during the 40 years after the earthquake a lot of words have been written on these topics.

What will be stressed in the paper is the fact that the Friuli earthquake represented a milestone for the Italian way to look at the seismic risk mitigation. To prove this statement, the paper deals only with some field in which important changes have been introduced after the Friuli earthquake:

- the joint effect of the earthquake and of a research project (the Special Geodynamic Project, initiated short time before the Friuli earthquake by the National Research Council), had an important impact on the organization of the researches in all the field related to the seismic risk mitigation;
- the Friuli earthquake triggered a significant change in the way to look at seismic zoning;
- the previous philosophy of seismic code for masonry buildings was drastically changed and the new approach has been introduced for the reconstruction after the earthquake;
- the vulnerability analysis of existing buildings and historical monuments;
- microzonation.

The processes initiated by the Friuli earthquake in the above mentioned field are still continuing.