



## **Prevention and Mitigation of Seismic Risk in Italy**

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Civil Protection (CP) organisations aim, in general, at safeguarding human life and health, goods, national heritage, human settlements and environment from all natural or man-made disasters. In order to achieve these objectives, for any concerned kind of risk, a comprehensive approach should deal with:

- Forecasting and Warning
- Prevention and Mitigation
- Rescue and Assistance
- Emergency overcoming

CP systems all over the world have different organisations and are differently finalised at the above objectives and actions. Quite often, only some of them, usually only those relevant to forecasting and rescue, are pursued by CP, risk mitigation and emergency overcoming being in charge of other organisations.

However, this is not the case of the Italian Civil Protection, whose mandate is relevant to all the items listed above, and, particularly, to prevention and mitigation.

As far as seismic risk is concerned, prevention and mitigation are addressed through an integrated set of actions, that go from the seismic vulnerability and seismic hazard assessment to complete risk assessment, from the conception to the actual application of risk reduction strategies, from the seismic zonation and the seismic code set up to their enforcement and actual implementation.

The proposed contribution will deal with the main aspects related to the actual implementation of the above said actions finalised to the seismic risk prevention and mitigation, as they are carried out by the Italian Civil Protection. Emphasis will be given to the interactions between the scientific community and the National Civil Protection Department, as they are finalised at getting the best exploitation of the scientific advancements to obtain concrete results in prevention and mitigation.