



Agreement between

Istituto Nazionale di Geofisica e Vulcanologia and Dipartimento della Protezione Civile

years 2007-2009

Final Meeting of the Seismological Projects

ISPRA Conference Room – via Curtatone 7, Roma
30 June – 2 July 2010

Preliminary Program

Wednesday 30 June 2010 - Morning

10:00-10:10 Welcome and Introduction to the Meeting (D. Pantosti, INGV – D. Di Bucci, DPC – L. Serva, ISPRA)

10:10-10:30 Research and Civil Protection (E. Boschi- M. Dolce)

10:30-11:00 S1 project: main results (S. Barba C. and Doglioni)

11:00-11:30 S2 project: main results (E. Faccioli and W. Marzocchi)

11:30-12:00 *Poster + Coffee Break*

12:00-12:30 S3 project: main results (A. Emolo and A. Michelini)

12:30-13:00 S4 project: main results (R. Paolucci and F. Pacor)

13:00-13:30 S5 project: main results (A. Zollo and L. Margheriti)

13:30 – 15:00 *Lunch and Poster*

Wednesday 30 June 2010 - Afternoon

15.00 -15.30: An innovative tool for seismic hazard assessment (Mario Ordaz S.)

15.30 -16.00: High resolution SHA in the vicinity of earthquake sources" (Manuela Villani)

16.00 -16.30: Sensitivity of risk scenarios to hazard representations at the local scale (Sergio Lagomarsino).

16.30-17.30: *Poster + Coffee Break*

- 17.30 -18.00:** Italian geodynamics and the seismic cycle (C. Doglioni)
18.00 -18.30: Crustal tomography and Italian seismicity (C. Chiarabba)
18.30-19.00: Earthquake rates in Italy as derived from different approaches (G. Valensise)

Thursday 1 July 2010 - Morning

- 9.00-9.30:** Scaling relations for earthquake source parameters down to decametric fracture lengths in southern Apennines (Aldo Zollo)
9.30 – 10.00: The Alto Tiberina Fault test site: towards a permanent multidisciplinary observatory (Lauro Chiaraluce o Davide Piccinini)
10.00 -10.30: Seismic characterization of sites: new perspectives and recent experiences from project S4 (S. Foti)

10.30 -11.30: *Poster + Coffee Break*

- 11.30 – 12.00:** On the use of ground motion simulations for rapid estimates of strong ground motion (Gabriele Ameri)
12.00 – 12.30: 1D, 2D, 3D numerical modelling of seismic site response: the case of Gubbio basin (C. Smerzini)
12.30 – 13.00: Estimation of geometrical characteristics of earthquake source for near-real time ground-shaking map computation purposes (Antonio Emolo)
13.00 -13.30: Ground motion prediction equations derived from the Italian Accelerometric Archive (ITACA) (Dino Bindi)

13.30 – 15.00: *Lunch*

Thursday 1 July 2010 - Afternoon

- 15:00 -15:30:** 2009 L'Aquila emergency: history and perspectives (Alessandro Amato)
15:30 -16:00 Forecasting performance of non-stationary earthquake occurrence models applied to SHA in Italy" (Warner Marzocchi)
16:00 -16:30 On the computation of Tsunami Scenarios for Early Warning (Stefano Lorito)

16:30 – 17.30 *Poster + Coffee Break*

17.30 – 18.30: Round Table **TBD**

Friday 2 July 2010 – Morning

Workshop

9:00 -9:40: Synthesizing geologic, geodetic, stress, and plate-tectonic input in models of long-term crustal flow and seismicity (**Peter Bird, UCLA**)

9:40 – 10.20: High-resolution monitoring of active fault systems: Refined estimates of earthquake source and medium parameters from advanced seismic waveform analyses (**Bill Ellsworth, USGS**)

10:20-11:00 *Coffee Break*

11:00-11:40: Taking into account magnitude scaling effects and regional variations for ground motion prediction (**Fabrice Cotton, LGIT**)

11:40-12:00: Prospects for Operational Earthquake Forecasting (**Tom Jordan, SCEC**)

12.20-13.30 Final Discussion **TBD**

13.30: End of the Meeting

9:00 -13.30: *Poster*