



Recovery Status Report from Italy EQ of April 2009

Geneva, June 17h, 2009



IRP/ILO SPECIAL EVENT

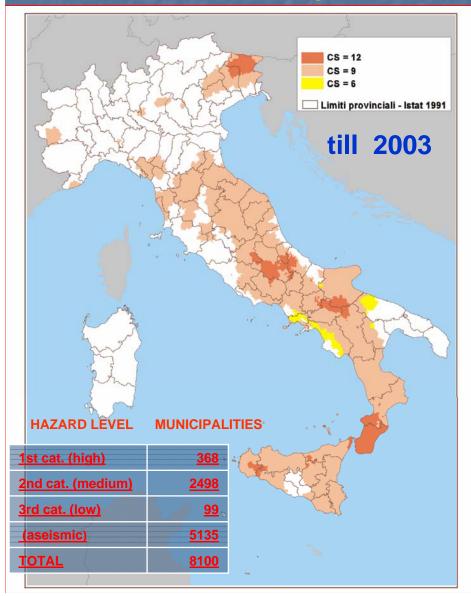
Integrating Social, Economic, and Environmental Concerns in Post-disaster Recovery Promoting Effective Build-Back Better Approaches through IRP

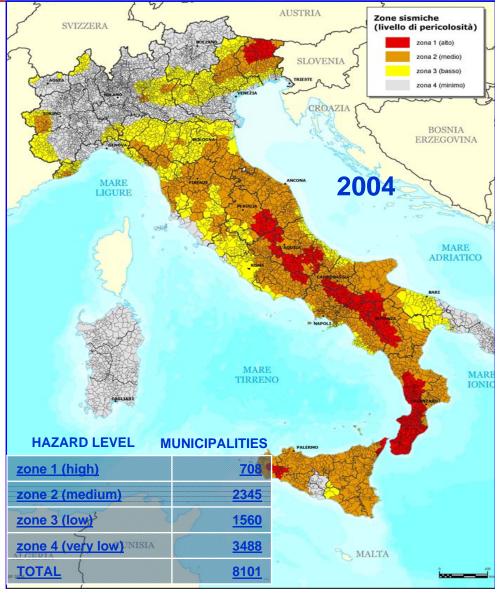
Dr. Guido Bertolaso





Map of seismic areas in Italy











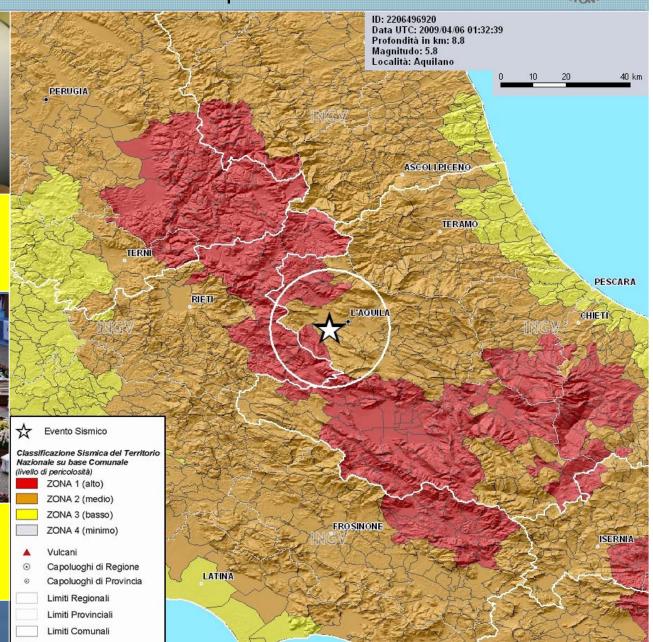
6 April 2009 - h. 3.32 a.m.

5.8 degrees - Richter scale



Fatalities: 300 Injured: 1.500

Displaced: 65.000







Coordination

Operational Committee

April 6, 2009

4.15: Crisis Unit of the Department of Civil Protection

4.40: DPC teams departure

4.40: Operational Committee of Civil Protection

meeting

7.00: State of Emergency

9:00: Organisation of the Direction of

Command and Control on site



















Damage to buildings and properties























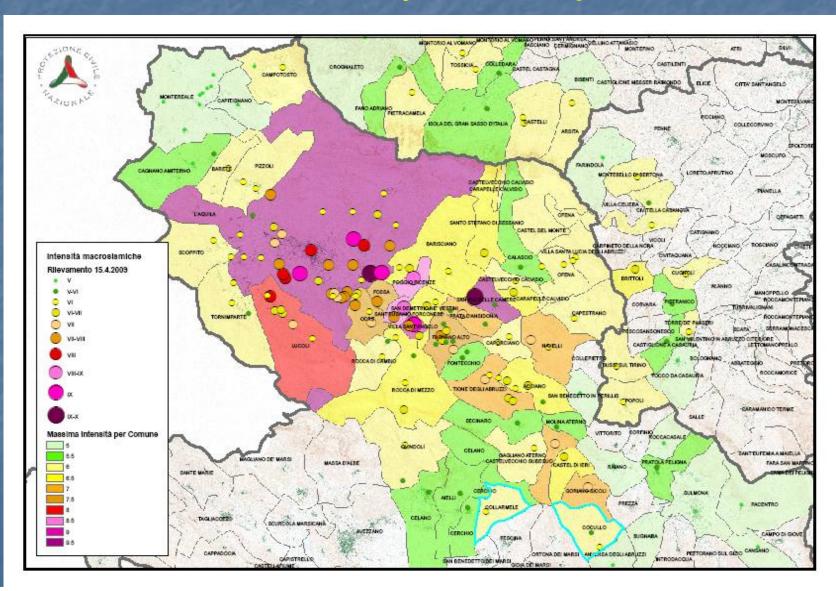


		24 hours	48 hours
	Fire fighters	2010	2 400
Search and rescue	Armed forces	1520	1650
	Police	1500	2000
	Red Cross	300	300
	Volunteers	2000	4300
	K9	108	134
		8 Regions+1 Autonomous Province	14 Regions+1 Autonomous Province





Areas affected by the earthquake









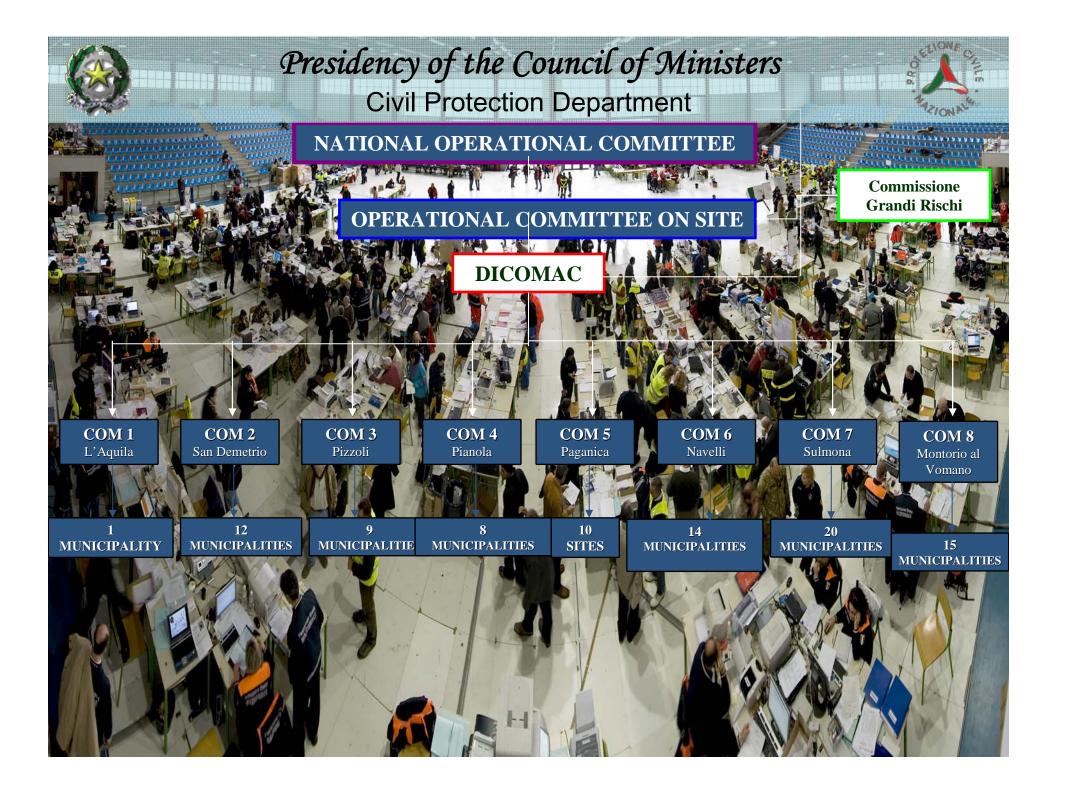


49 municipalities

(DPCM n. 3 16/04/2009)









































Damage to cultural heritage





Presidency of the Council of Ministers



Civil Protection Department

Damage assessment

Number of inspections: 55.206

172.8	BUILDING DAMAGE ASSESSMENT				
Code	Description	Percenta ge			
A	USABLE	52,7%			
В	UNUSABLE AFTER EMERGENCY MEASURE	13,6%			
C	PARTIALLY UNUSABLE	2,8%			
D	BUILDING TEMPORARELY UNUSABLE (TO BE RE-INSPECTED)	0,9%			
E	BUILDING UNUSABLE	25,0%			
F	BUILDING UNUSABLE DUE TO EXTERNAL RISK	4,9%			





DAMAGE ASSESSMENT % FOR BUILDING USE TYPOLOGY

Code	PRIVATE	PUBLIC	HOSPITAL	BARRACS	SCHOOLS	PRODUCTVE ACTIVITIES
A	52,6	53.6	43.4	68.4	48.7	58.0
В	13.2	16.5	34.0	22.2	28.9	18.5
С	2.7	3.9	11.3	2.9	2.2	4.0
D	0.9	1.3	1.9		2.6	1.1
E	2 5.5	21.2	9.4	5.3	16.1	14.3
F	5.1	3.4		1.2	1.5	4.1















Decreto-legge 28 aprile 2009, n. 39

"Interventi urgenti in favore delle popolazioni colpite dagli eventi sismici nella regione Abruzzo nel mese di aprile 2009 e ulteriori interventi urgenti di protezione civile. (09G0047)"

pubblicato nella Gazzetta Ufficiale n. 97 del 28 aprile 2009 (Rettifica G.U. n. 102 del 5 maggio 2009)

NEXT MEASURES

- Facilitate people return to the usable houses.
- Apply the Decree n. 39 April 28, 2009, which concerns:
 - Contributions for public and private rebuilding and repair;
 - Special payments for families and companies
 - Expiry suspensions on loans and legal proceedings
 - Temporary houses plan







c.a.see.

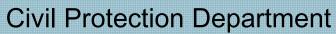
MAIN AIMS:

- •Provisional accommodation with high standards for 12.000 people within 2009
- Alternative use of these houses after the rebuilding





Presidency of the Council of Ministers













L'Aquila Maggio 2009





Housing Modules C.A.S.E. Rendering – preliminary project





L'Aquila Maggio 2009





International Commission on Earthquake Forecasting for Civil Protection

Mandate:

- 1. Report on the current state of knowledge of the short term prediction and forecasting of tectonic earthquakes.
- 2. Indicate guidelines for utilization of possible forerunners of large earthquakes to drive civil protection actions, including the use of probabilistic seismic hazard analysis in the wake of a large Earthquake.





International Commission on Earthquake Forecasting for Civil Protection

President: *Tom Jordan*Director of the Southern California Earthquake Center, U.S.A.

The Commission's members are seismologists expert on earthquake source and forecasting from:

- China Yun Tai Chen
- France Raul Madariaga
- Germany Jochen Zschau
- Greece Gerassimos Papadopoulos
- Italy Paolo Gasparini, Warner Marzocchi
- Japan Kashun Yamaoka
- U.K. lan Main
- Russia Guennadi A. Sobolev









International Commission on Earthquake Forecasting for Civil Protection

The members include:

- The Chairman of the Commission for Earthquake Prediction of the Seismological Society of Japan
- The present and past Chairmen of the Commission on Earthquake Prediction of he European Seismological Commission
- The coordinator of the famous debate on Earthquake Prediction organised by "Nature" in 1999







International Commission on Earthquake Forecasting for Civil Protection

Consensus on the following issues emerged in the first meetings:

- Deterministic prediction of earthquakes is not possible at the present time
- Some probabilistic forecast may be possible. However, to be usable for Civil Protection Action probability values and related uncertainties must be assessed







International Commission on Earthquake Forecasting for Civil Protection

The work of the Commission will be mostly focussed on the guidelines. The expected outcome will concern:

- The content of information provided by seismologists to Civil Protection;
- The way probabilistic forecasting and related uncertainties should be issued;
- ✓ How Civil Protection can use timely issued probabilistic forecasts and early warning





International Commission on Earthquake Forecasting for Civil Protection

Operative schedule:

Kick off Meeting: L'Aquila, May 12 and 13, 2009;

Second meeting with Videoconference held in Potsdam on June 5, 2009;

The final report answering the mandate is due by early October, 2009.





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