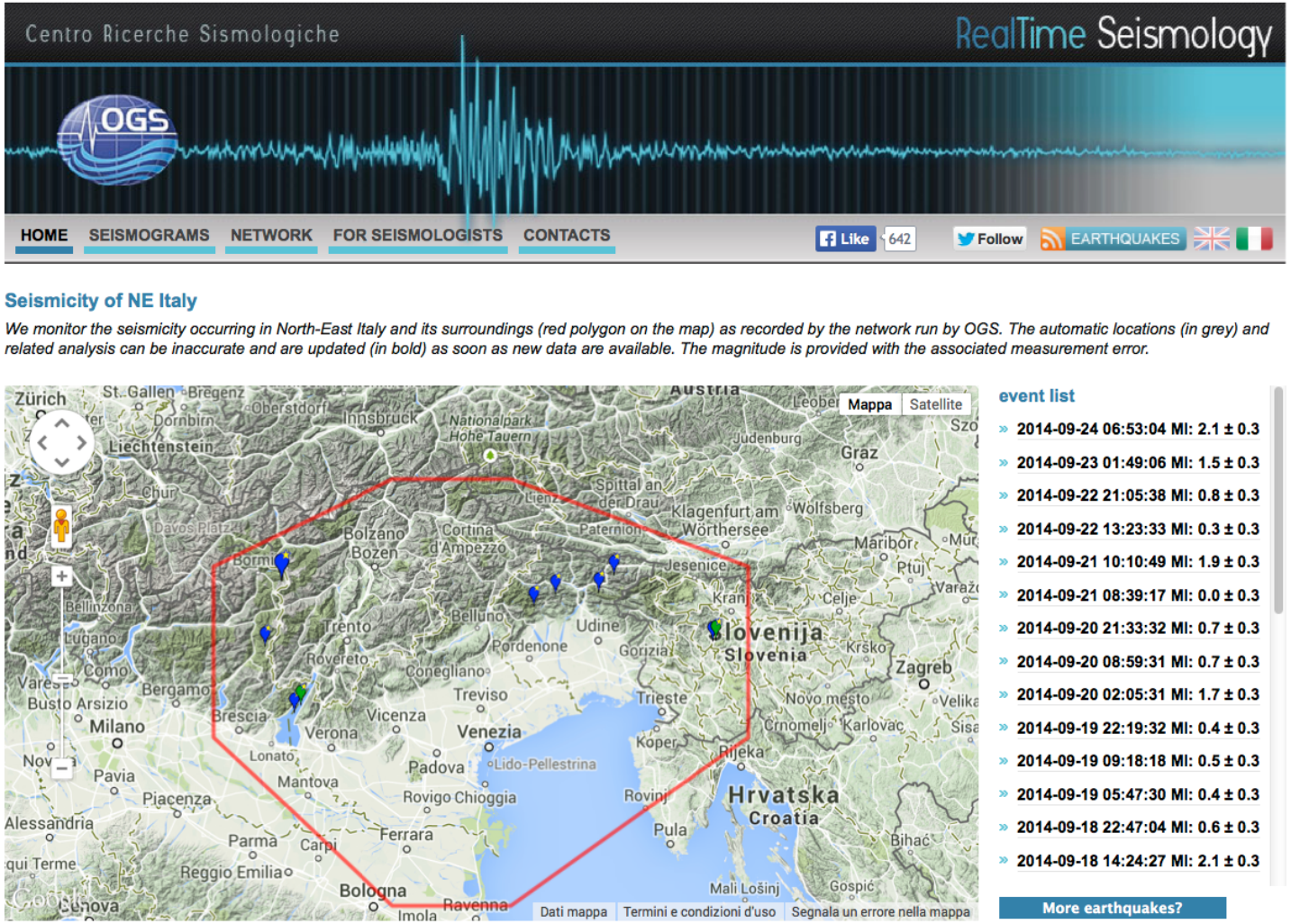
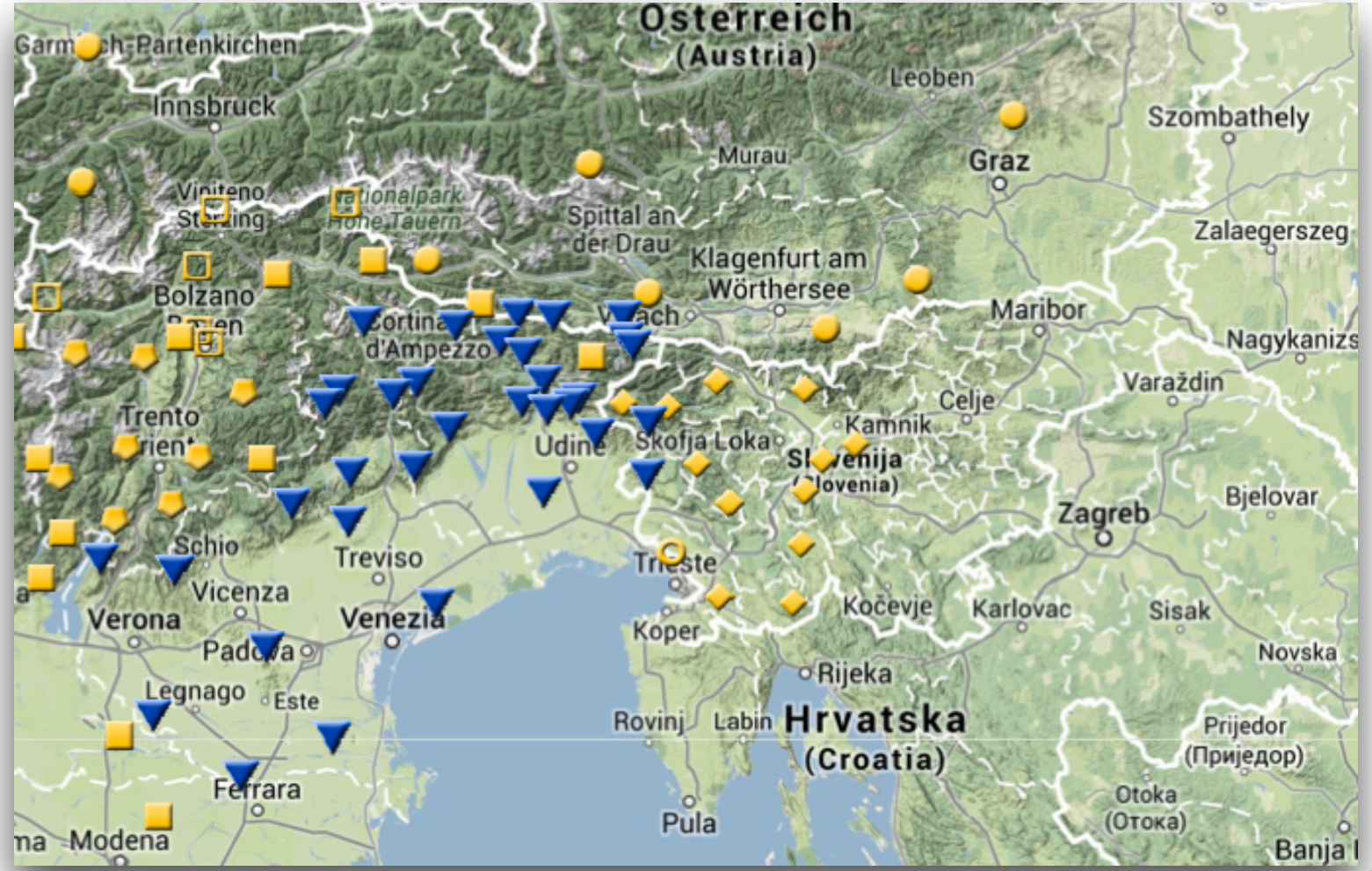
The OGS Seismological Research Centre

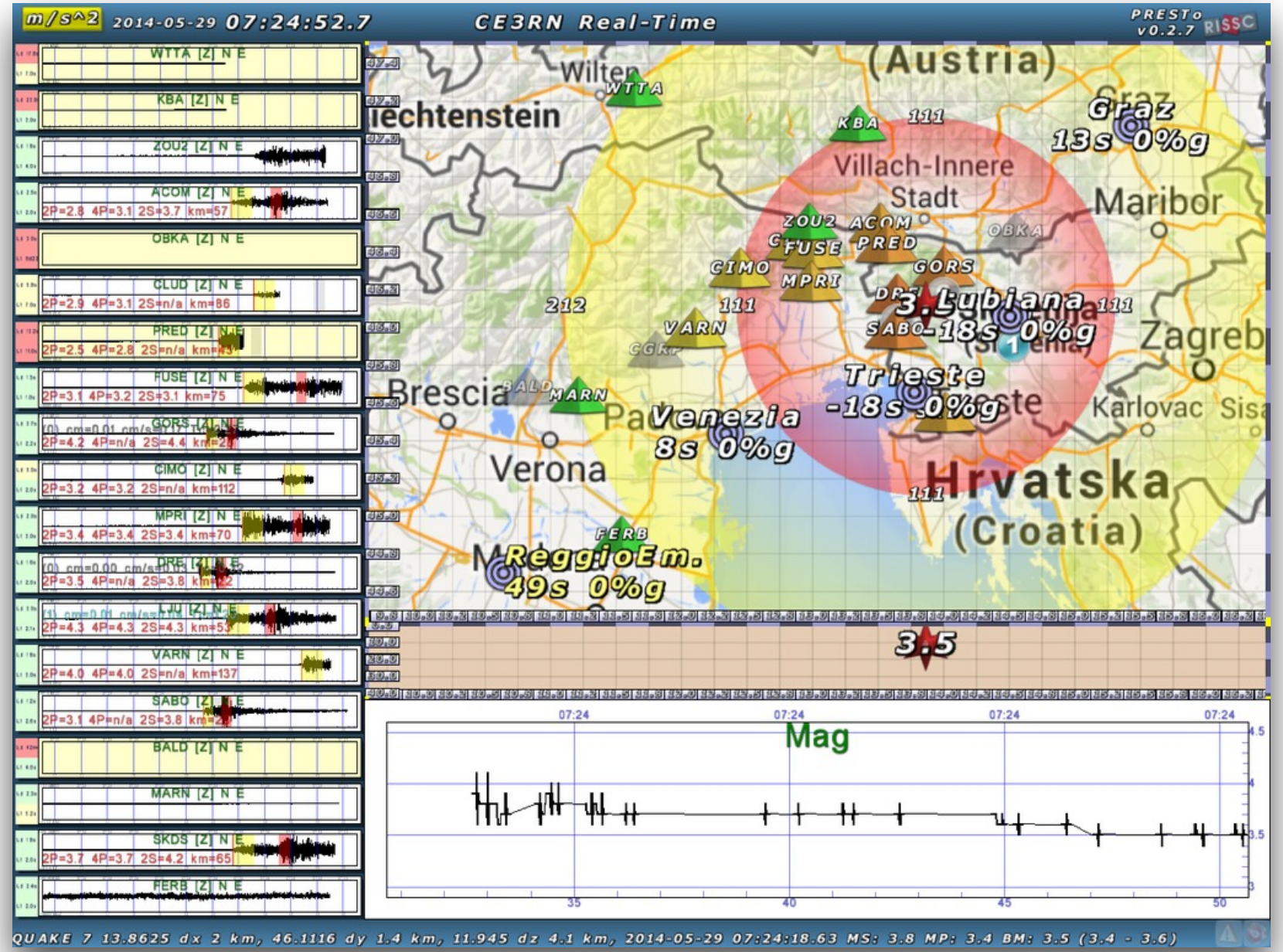


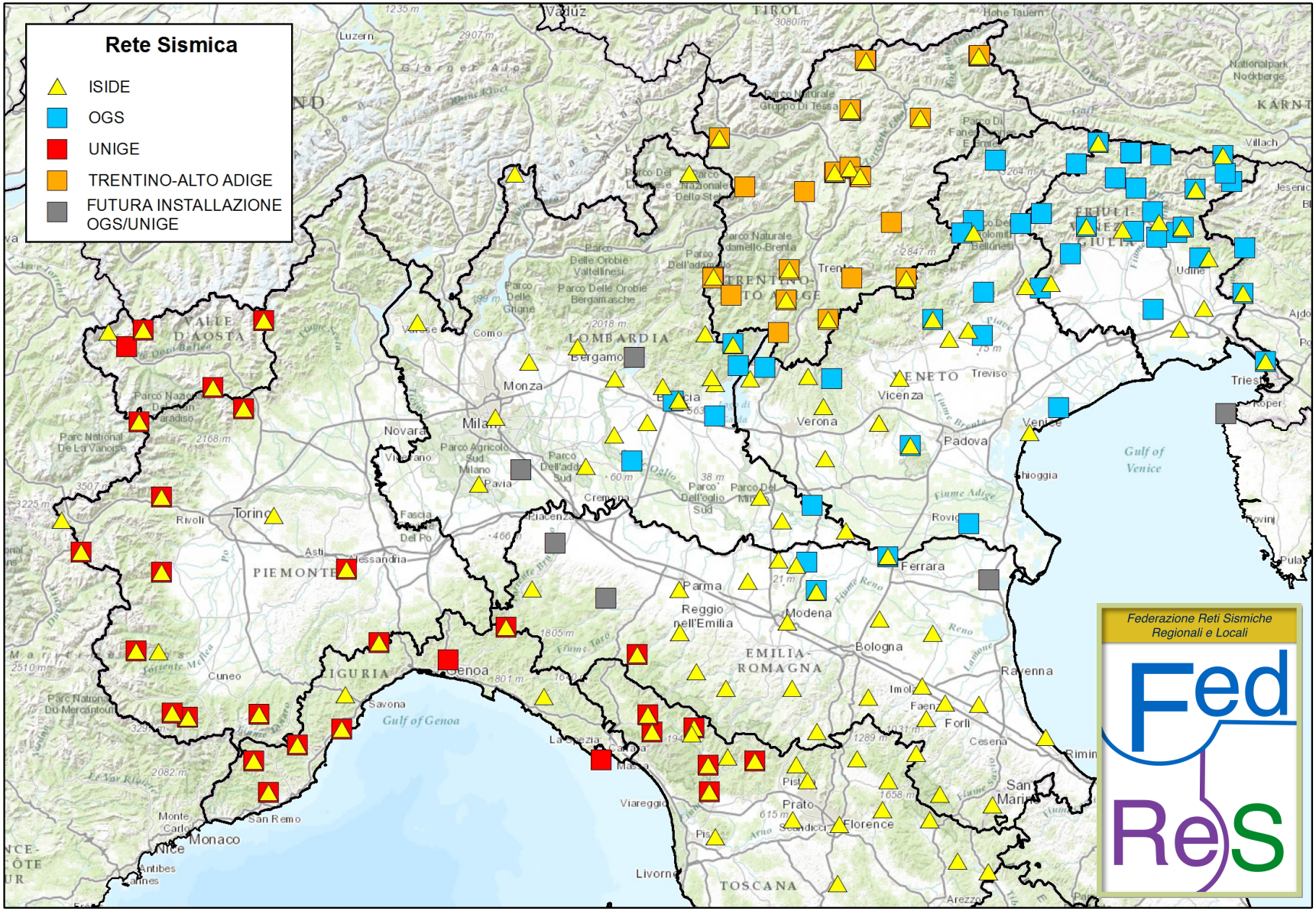
Marco Mucciarelli, Director of CRS-OGS

CEERN

Central
Eastern
Europe
Earthquake
Research
Network




m/s^2
2014-05-29 07:24:52.7
CE3RN Real-Time
PRESTo v0.2.7
WTTA [Z] N E
KBA [Z] N E
ZOU2 [Z] N E
ACOM [Z] N E
2P=2.8 4P=3.1 2S=3.7 km=57
OBKA [Z] N E
CLUD [Z] N E
2P=2.9 4P=3.1 2S=n/a km=86
PRED [Z] N E
2P=2.5 4P=2.8 2S=n/a km=43
FUSE [Z] N E
2P=3.1 4P=3.2 2S=3.1 km=75
GORS [Z] N E
2P=4.2 4P=n/a 2S=4.4 km=2
CIMO [Z] N E
2P=3.2 4P=3.2 2S=n/a km=112
MPRI [Z] N E
2P=3.4 4P=3.4 2S=3.4 km=70
DRE [Z] N E
2P=3.5 4P=n/a 2S=3.8 km=2
LJU [Z] N E
2P=4.3 4P=4.3 2S=4.3 km=53
VARN [Z] N E
2P=4.0 4P=4.0 2S=n/a km=137
SABO [Z] N E
2P=3.1 4P=n/a 2S=3.8 km=2
BALD [Z] N E
MARN [Z] N E
SKDS [Z] N E
2P=3.7 4P=3.7 2S=4.2 km=65
FERB [Z] N E
Wilten
WTTA
(Austria)
Graz
13s 0%g
KBA
111
Villach-Innere Stadt
Maribor
ZOU2
ACOM
OBKA
FUSE
PRED
GIMO
MPRI
GORS
3. Lubiana
18s 0%g
212
111
VARN
SABO
Zagreb
Trieste
-18s 0%g
Brescia
MARN
Venezia
8s 0%g
Karlovac
Verona
Hrvatska
(Croatia)
FERB
Reggio Em.
49s 0%g
3.5
07:24
Mag
35
40
45
50
QUAKE 7 13.8625 dx 2 km, 46.1116 dy 1.4 km, 11.945 dz 4.1 km, 2014-05-29 07:24:18.63 MS: 3.8 MP: 3.4 BM: 3.5 (3.4 - 3.6)


Rete Sismica
ISIDE
OGS
UNIGE
TRENTINO-ALTO ADIGE
FUTURA INSTALLAZIONE OGS/UNIGE
Federazione Reti Sismiche Regionali e Locali
FedReS

ASAIN - Antarctic Seismograph Argentinean Italian Network

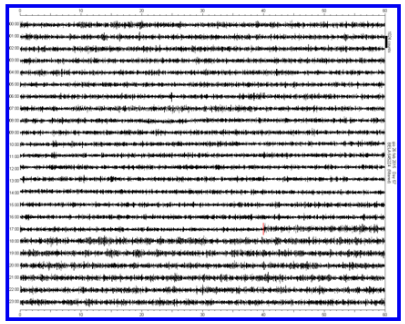
Programma Nazionale Ricerche in Antartide - PNRA

Istituto Nazionale di Oceanografia e Geofisica Sperimentale - OGS

Direccion Nacional del Antartico DNA - Istituto Antartico Argentino IAA

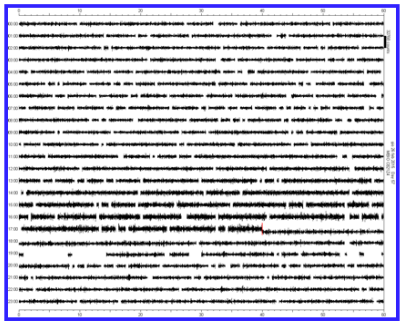
Below is a set of bitmaps generated by drumplot from data collected in the Antarctic Region. They are updated automatically every ten minutes, and show seismic activity over the last 24 hours. The red mark indicates the time when the image was updated, and marks the boundary where today's data is overwriting yesterday's data. Note that the time is in UTC (= GMT) and the broadband plot shows vertical component data at 20 sample/s .

BELGRANO II



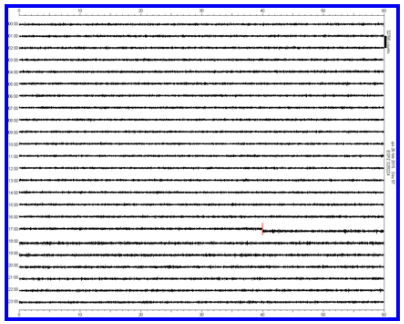
Bela - Lat.77° 52' S e Long. 34° 37' W

MARAMBIO



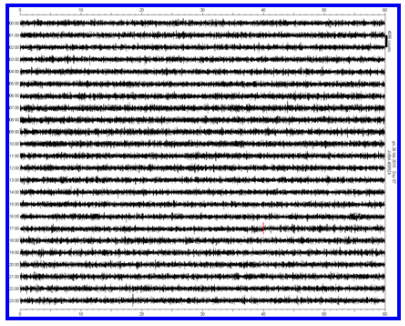
Mbio - Lat.64°14' S e Long 56°37' W

ESPERANZA



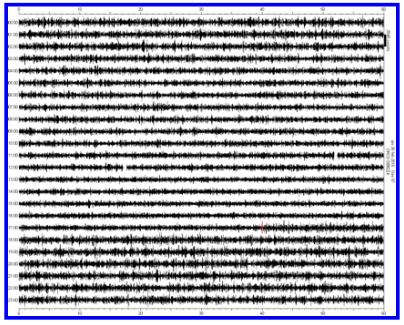
Espz - Lat. 63° 23' S e Long. 56° 59' W

JUBANY



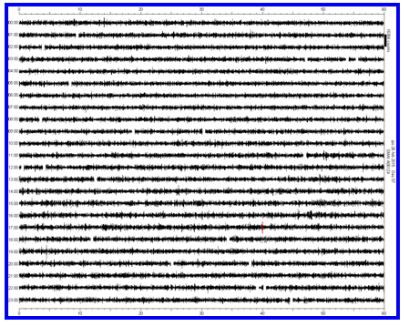
Juba - Lat. 62° 14' S e Long. 58° 39' W

ORCADAS



Orcd - Lat. 60°44' S e Long 44°44' W

SAN MARTIN



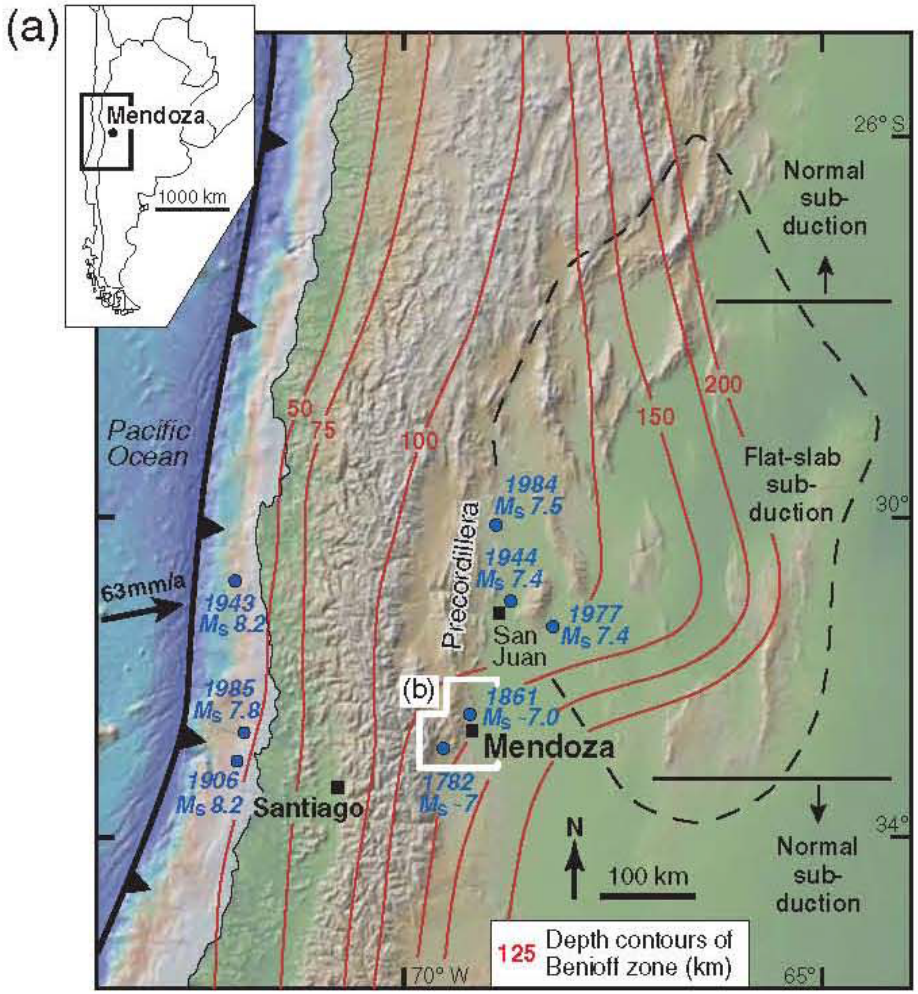
Smai - Lat. 68° 07' S e Long. 67° 06' W

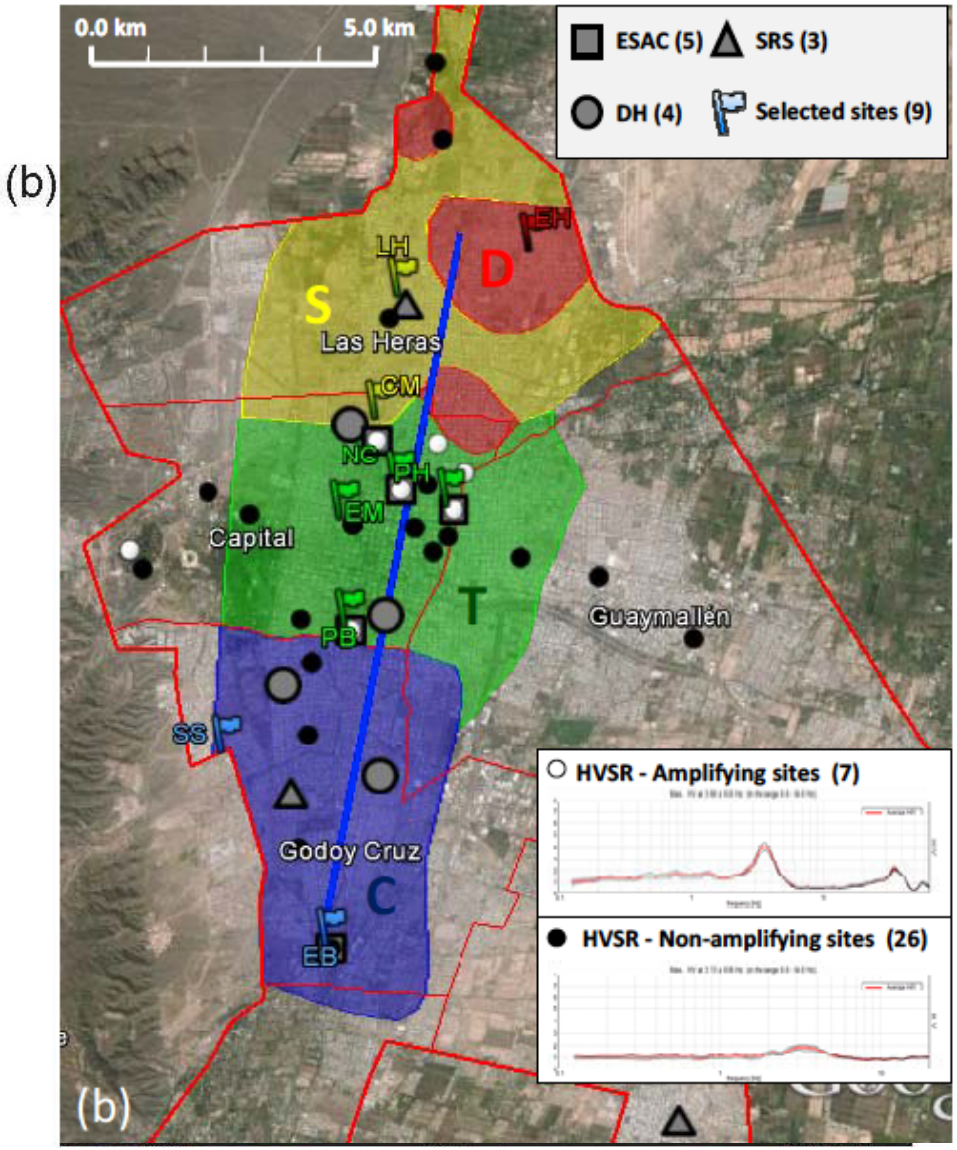
6ICEGE 6th International Conference on Earthquake Geotechnical Engineering
1-4 November 2015
Christchurch, New Zealand

Progetto CUIA (Cons. Uni. Italia-Argentina)

Experimental and analytical study of the seismic response of the urban area of Mendoza (Argentina)

Francesco Silvestri[1], Arnaldo M. Barchiesi[2], Camilo A. Mancipe Herrera[3], Francisco Mingorance[4], Anna d'Onofrio[5], Diego Esposito[6], Augusto Penna[7], Lorenza Evangelista[8], Marco Mucciarelli[9]





Monitoring of induced seismicity

Collalto Seismic Network

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Home » Data and graphs

Data and graphs

Seismograms in real-time

Seismograms in real-time are available for station ED06 belonging to the Collalto Seismic Network and for other permanent seismometric stations managed by OGS-CRS. Here are the links to access to the respective pages.

- ED06
- other stations

Seismic Events detected by the Collalto Seismic Network

Seismic events located in the period 1/1/2012-31/5/2014:

- full list;
- map and section view;
- Google Earth kml file.

More details can be found in the scientific reports.
Previous published lists have been updated due to calibrations of location and magnitude estimation procedures for the whole available dataset.

Read more | Italiano

Monitoring of induced seismicity

Collalto Seismic Network

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Data and graphs

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Network and for other permanent se
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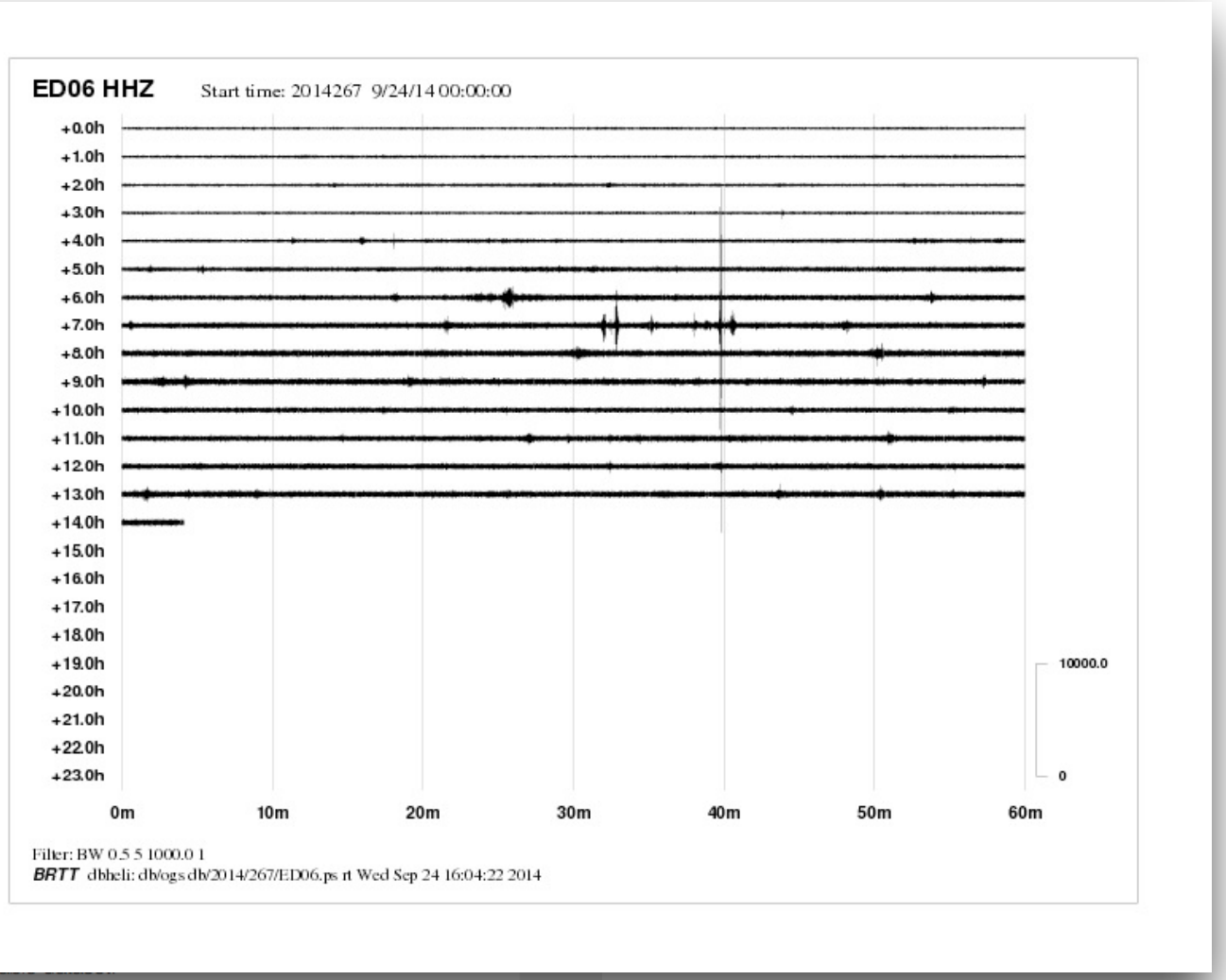
estimation procedures for the whole

Read more | Italiano



Monitoring of induced seismicity

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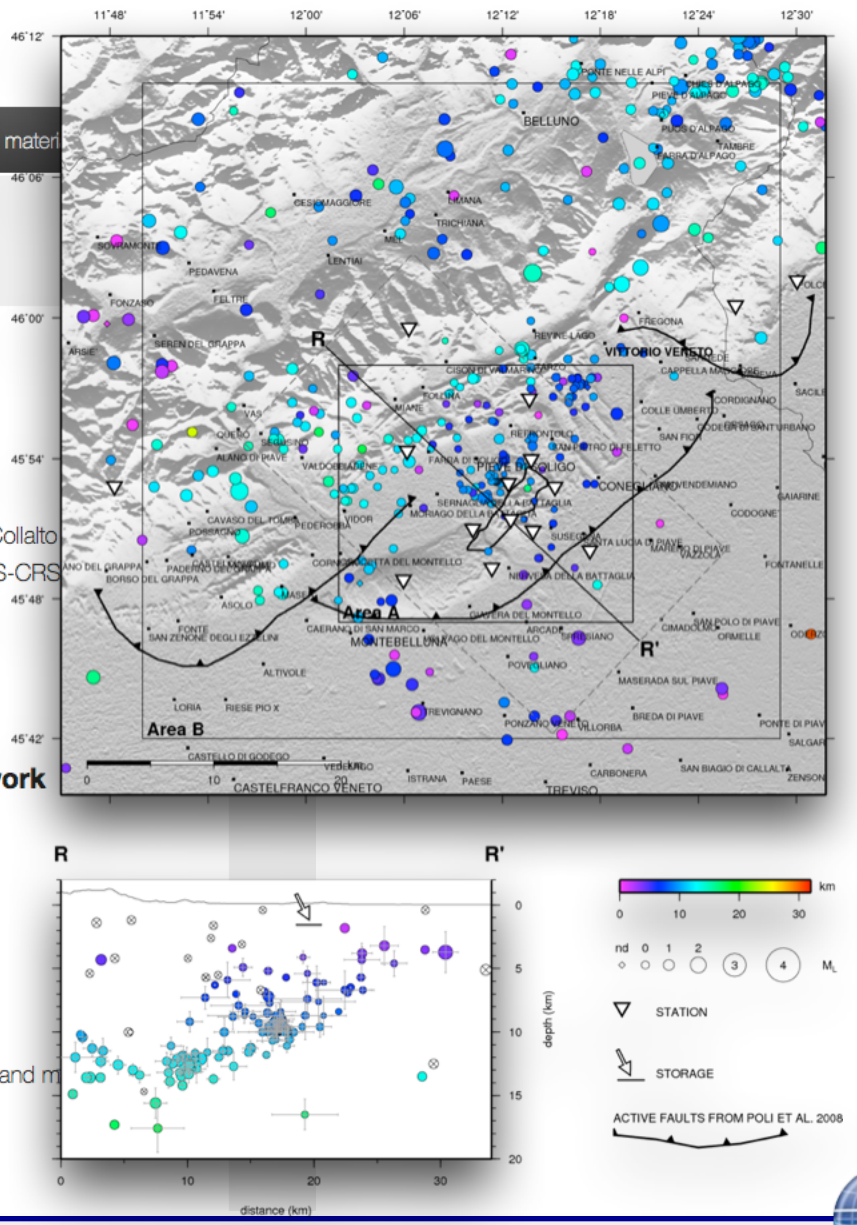
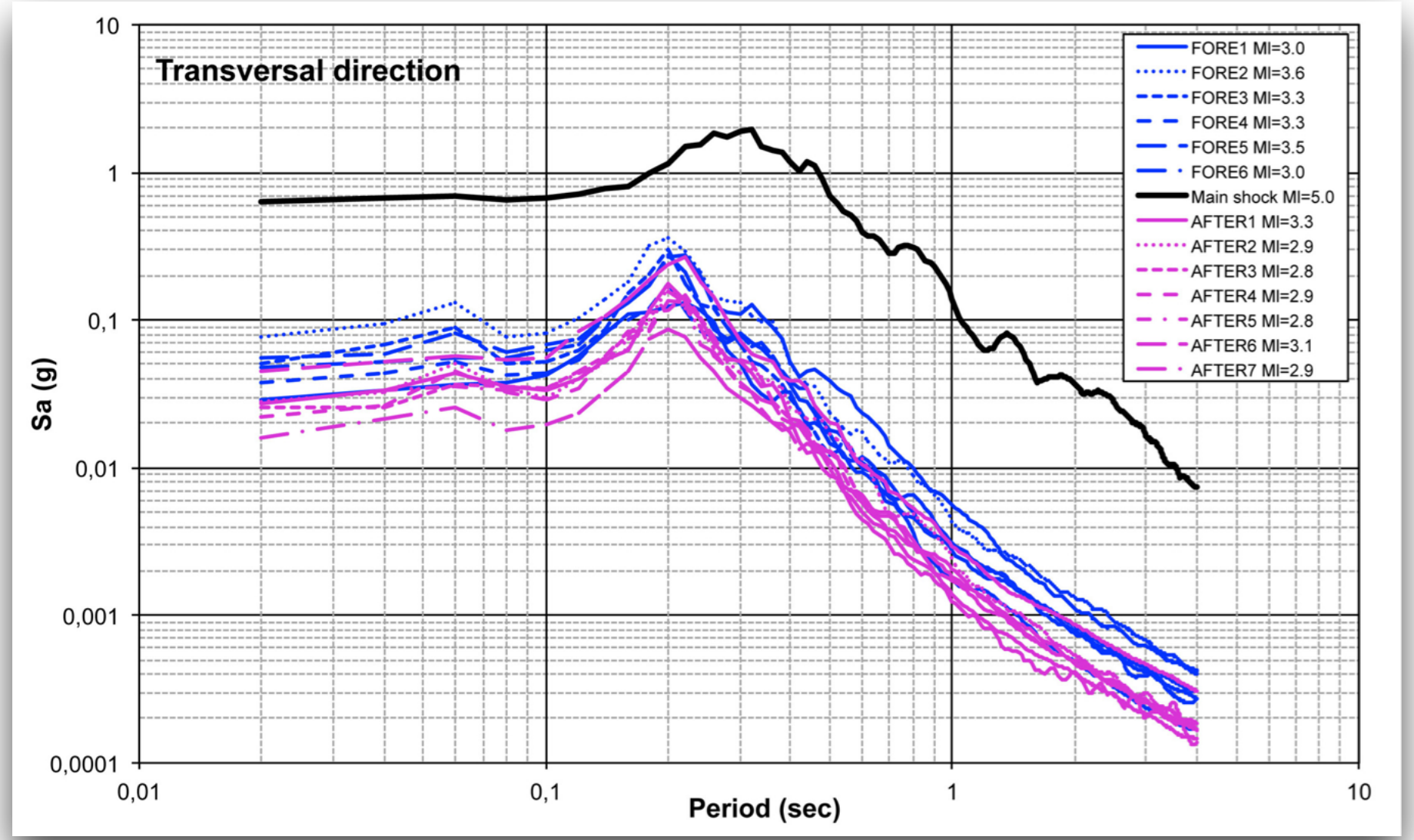
estimation procedures for the whole available dataset.

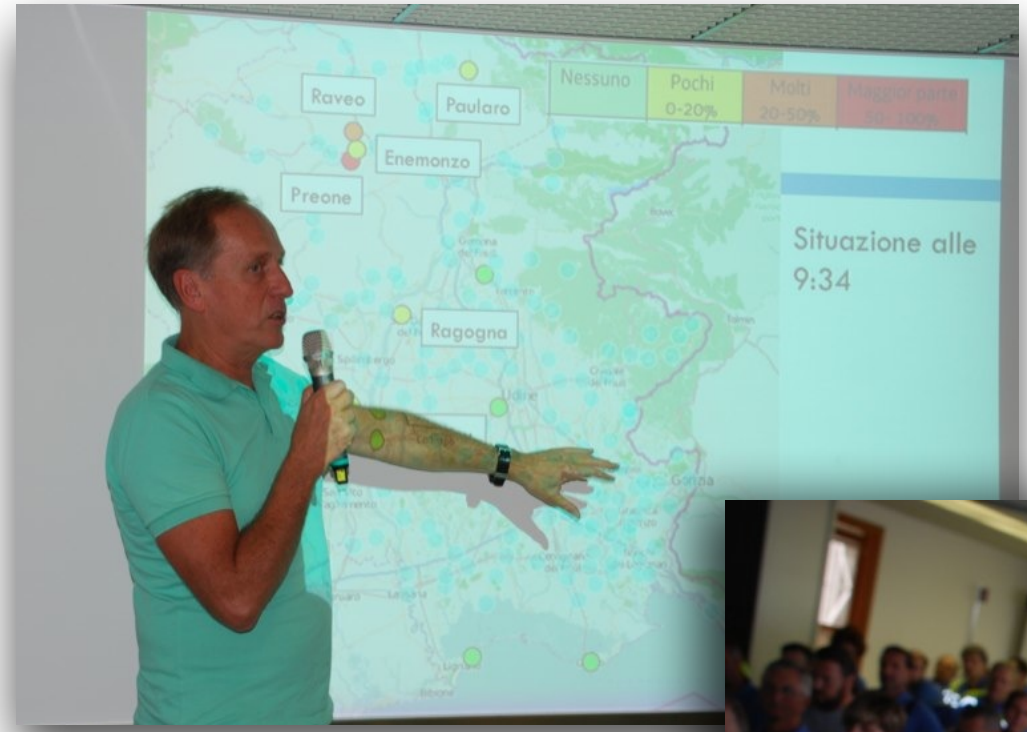
Read more | Italiano



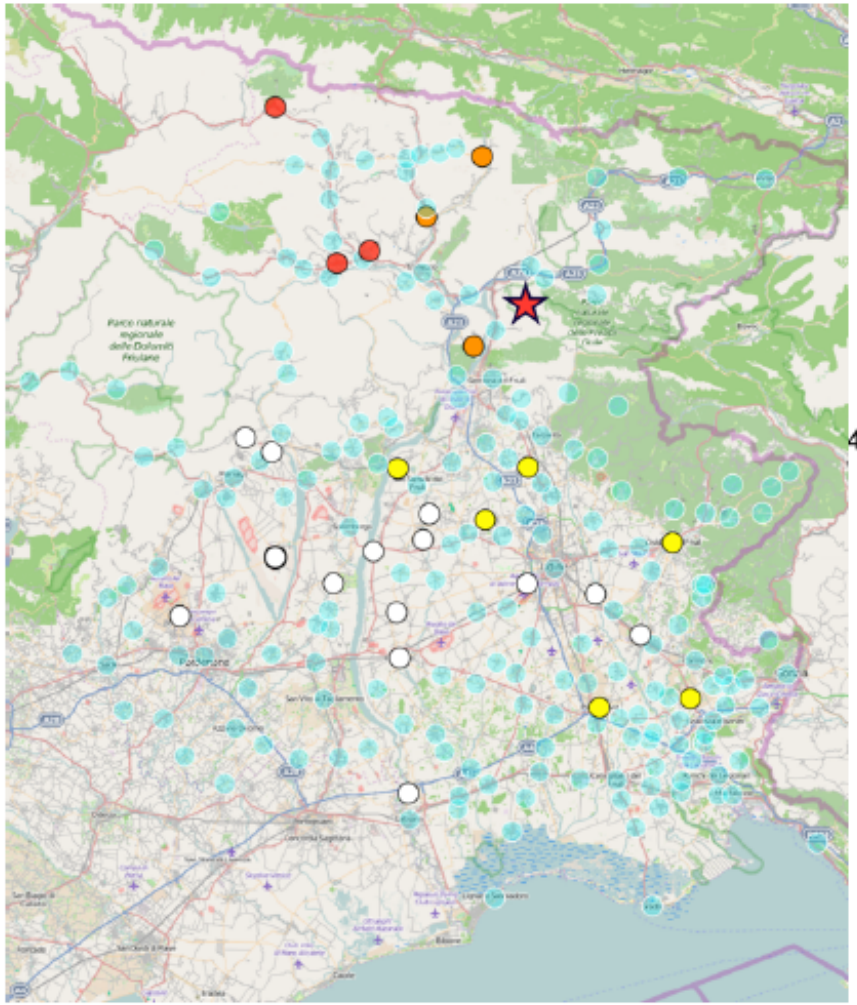
Monitoring of strategic buildings and facilities

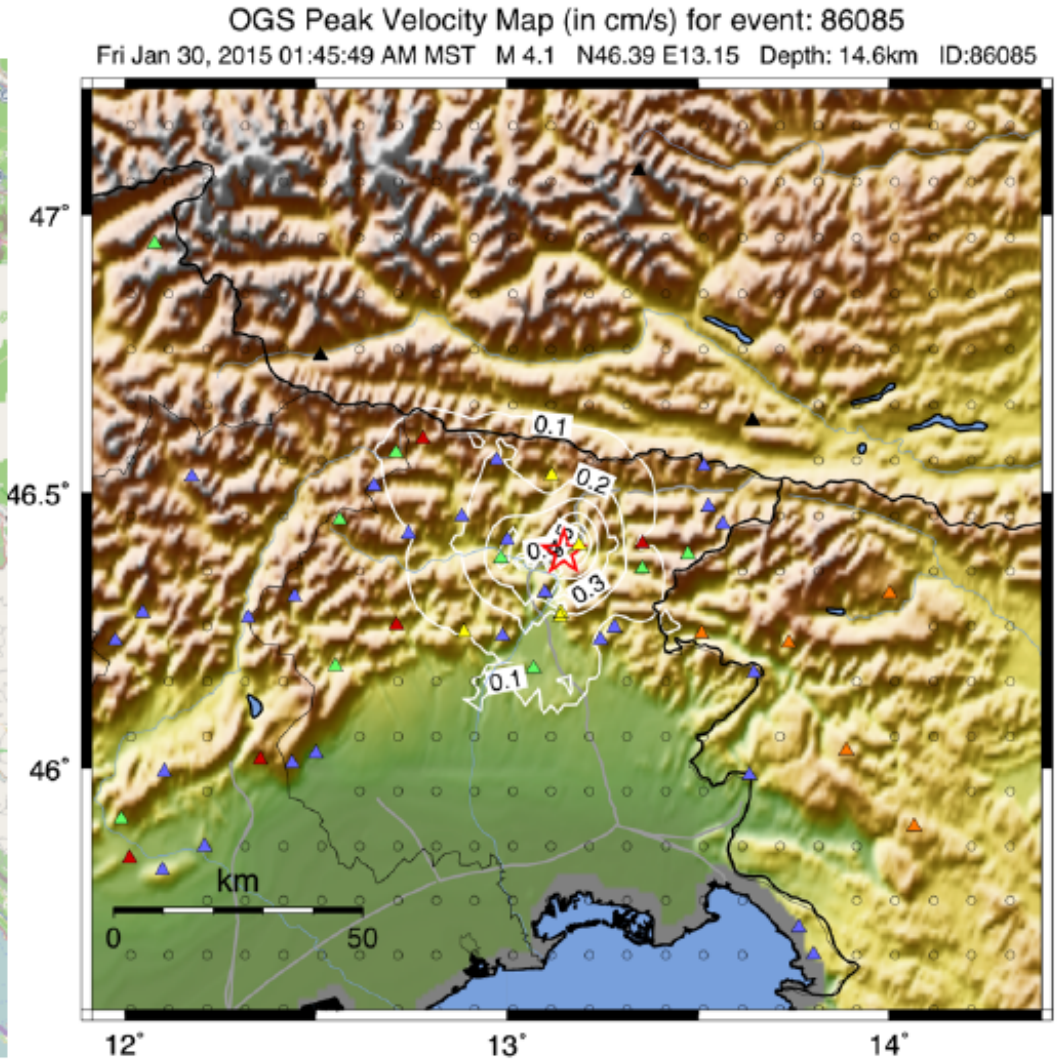

Transversal direction
FORE1 MI=3.0
FORE2 MI=3.6
FORE3 MI=3.3
FORE4 MI=3.3
FORE5 MI=3.5
FORE6 MI=3.0
Main shock MI=5.0
AFTER1 MI=3.3
AFTER2 MI=2.9
AFTER3 MI=2.8
AFTER4 MI=2.9
AFTER5 MI=2.8
AFTER6 MI=3.1
AFTER7 MI=2.9
Sa (g)
10
1
0,1
0,01
0,001
0,0001
0,01
0,1
1
10
Period (sec)

Training of Civil Protection Volunteers



Amaro earthquake, M=4.0, 30.01.15





Seismological Research Letters

OASIS: The OGS Archive System of Instrumental Seismology

E. Priolo[a], G. Laurenzano[a], C. Barnaba[b], P. Bernardi[a], L. Moratto[b] and A. Spinelli[c]

+ Author Affiliations

Online Material: List of main seismological databases, OASIS database general schema, tables of networks and stations, and example station monography and extracted waveform time series.

INTRODUCTION

The availability of an extensive dataset of seismological data, together with the description of the recording site, can help improve studies on the causes and effects of earthquakes, such as studies on seismic hazard, site–response analysis, soil–structure interaction, seismic source properties, shallow and deep earth structure, and so on.

The number of seismological stations installed worldwide for either monitoring seismicity at regional or national scale or deployed for specific studies has dramatically increased in the last years. As a consequence, there is a growing need on one hand to archive the huge quantity of acquired data in a safe and organized way and, on the other hand, to provide suitable access and search–capability tools to those data. Several research institutions from different countries currently collect their seismological data into databases, making them available on the Web. E A list of the main worldwide, national, and Italian seismological databases is provided in the electronic supplement to this article.