



Regione Emilia-Romagna
SERVIZIO GEOLOGICO, SISMICO E DEI SUOLI



Nuovi studi sulla pericolosità sismica regionale

Bologna, **5 dicembre 2017**

viale della Fiera, 8 - Sala "20 maggio 2012"

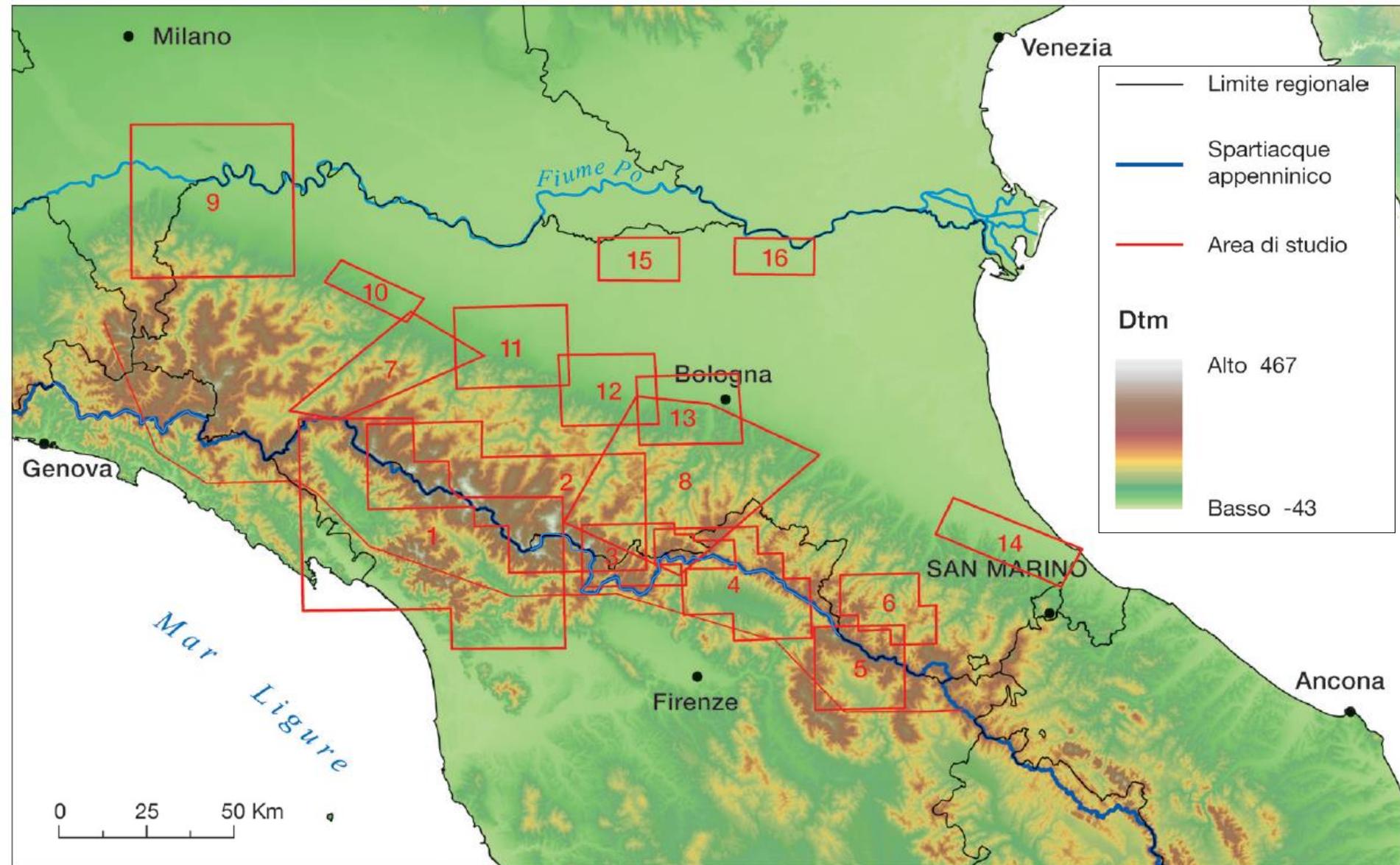
**L'aggiornamento della Carta Sismotettonica regionale.
I nuovi rilievi di terreno lungo il margine e in pianura**

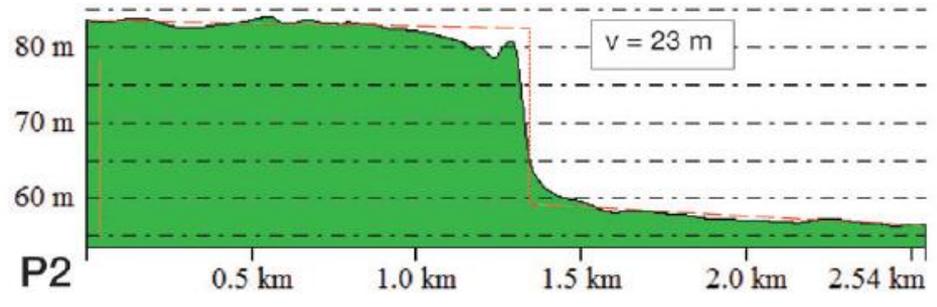
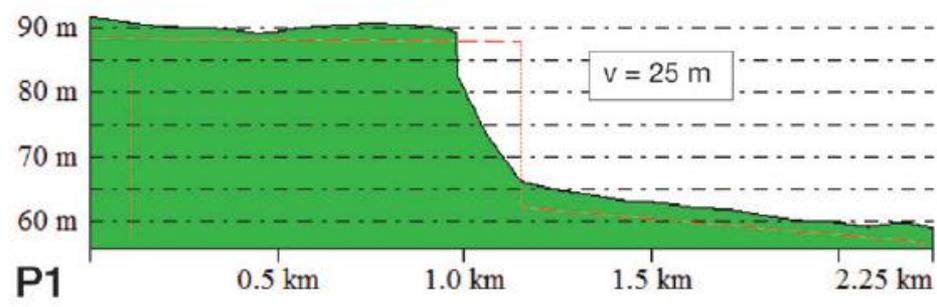
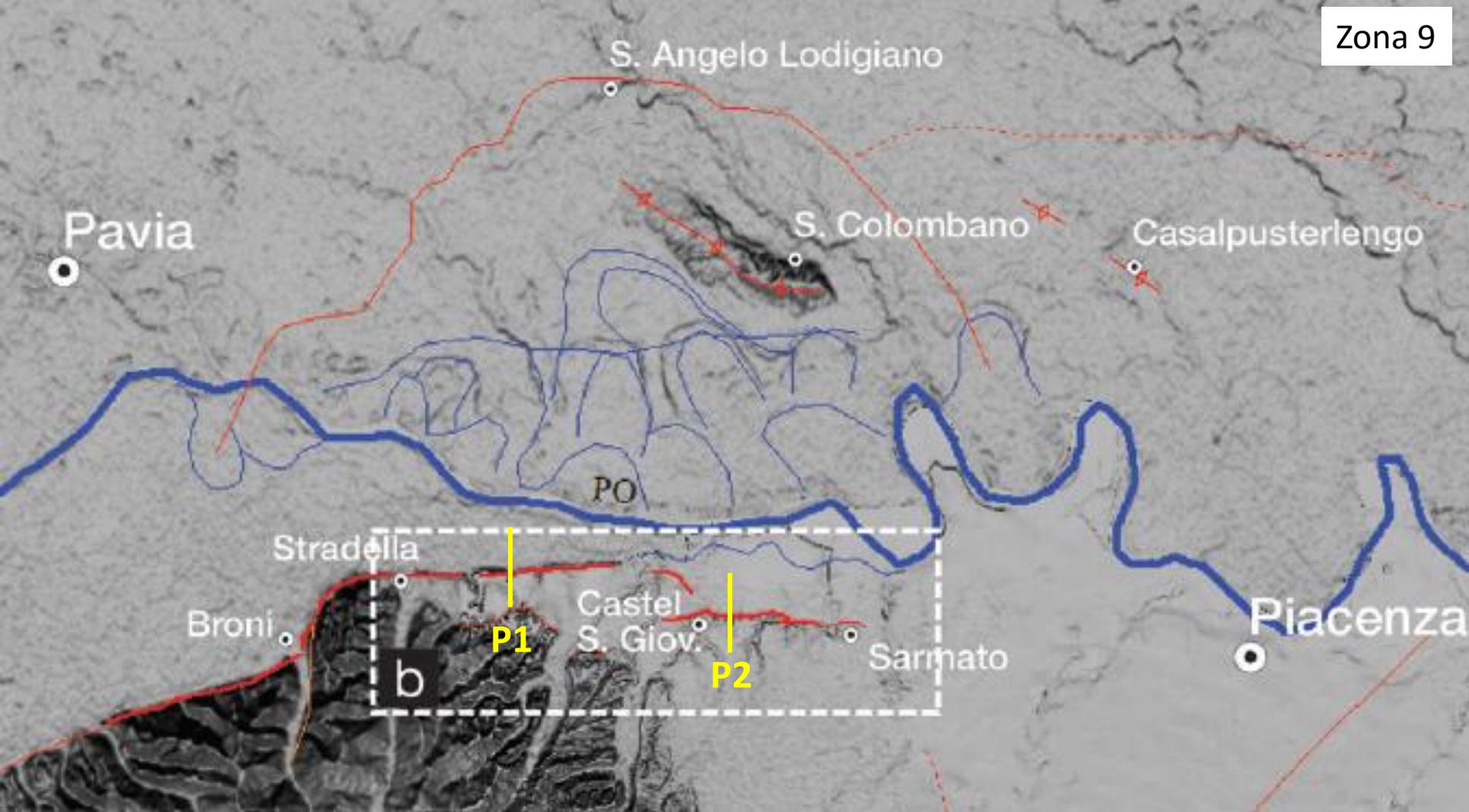
Luca Martelli, Luigi Piccardi

Margine: esempi da zone 9 sud, 12 e 13

Pianura: esempi da zone 9 nord, 15 e 16

Strutture trasversali: esempi da zone 7 e 8





Zona 9 nord

S. Colombano 4

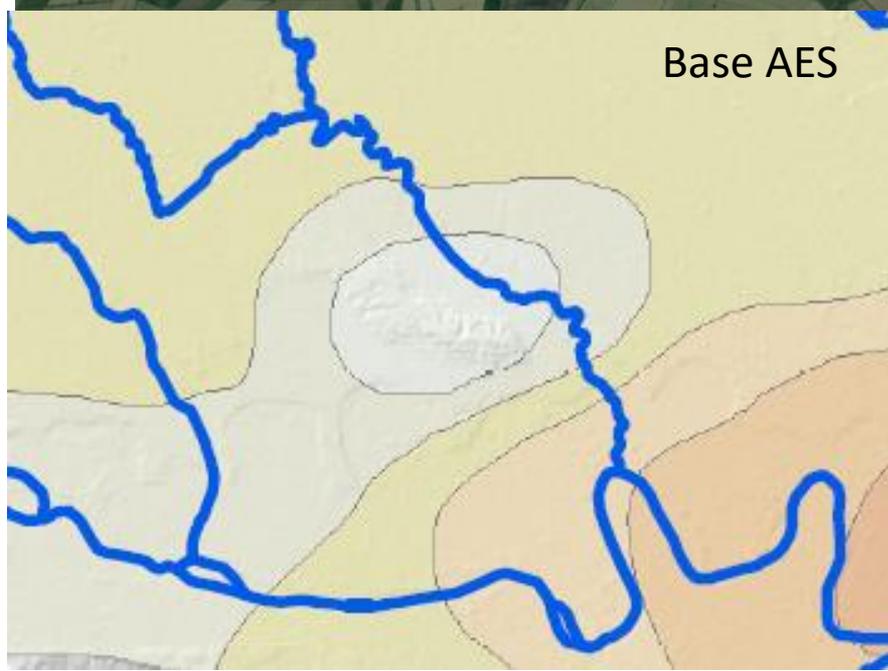
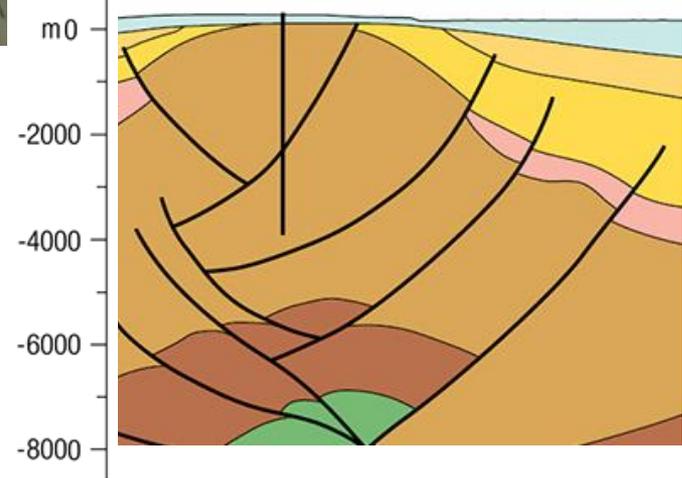
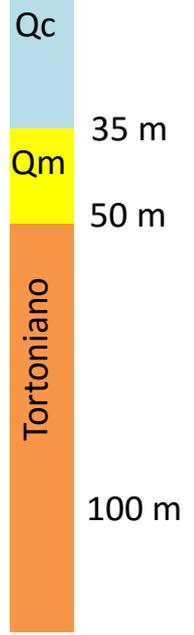
San Colombano al Lambro

S. Colombano 4
p.c.

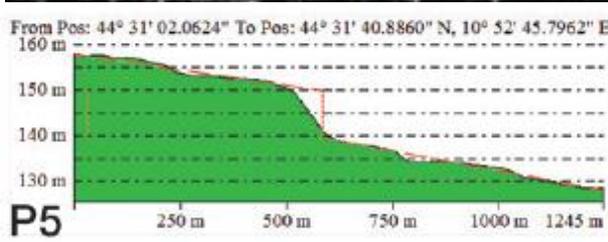
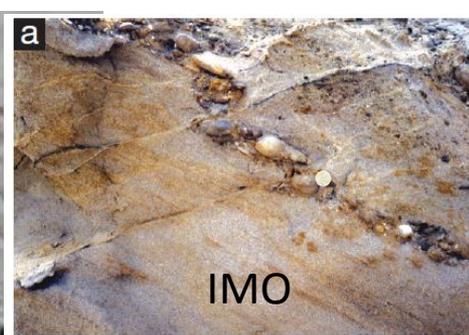
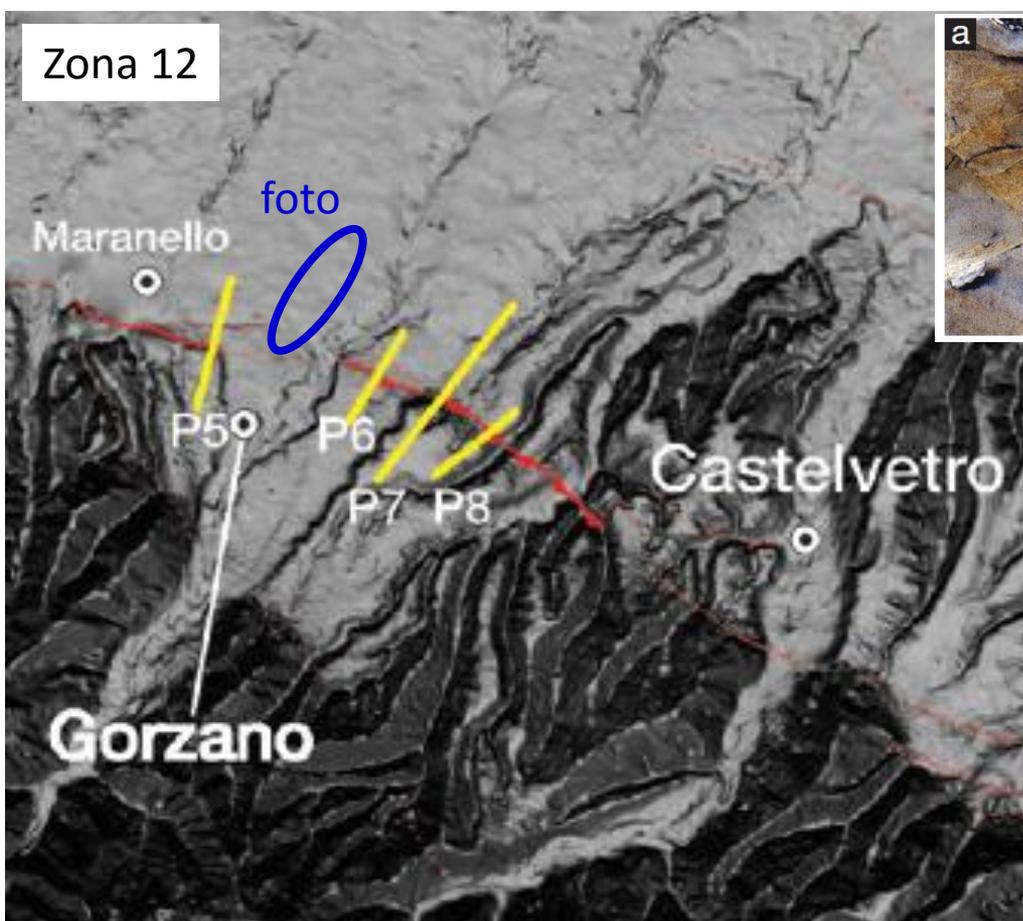
Base AES

S. Colombano al Lambro

SAN COLOMBANO 4 (pr)



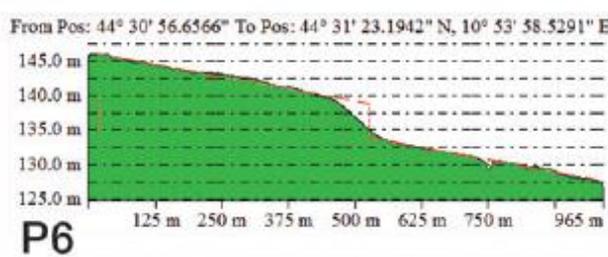
Zona 12



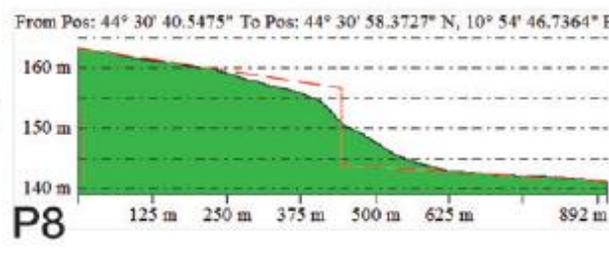
AES7a:
Pleistocene sup.
v = 10 m



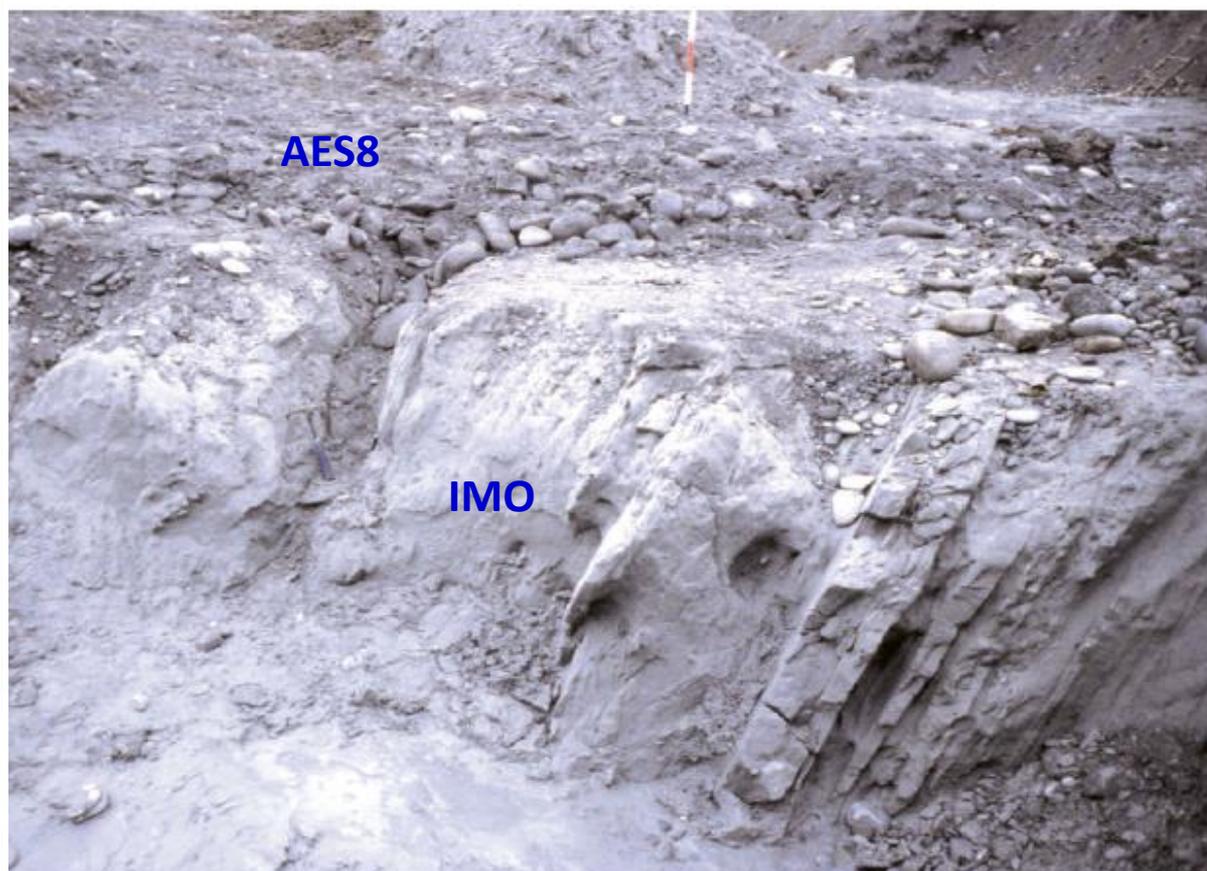
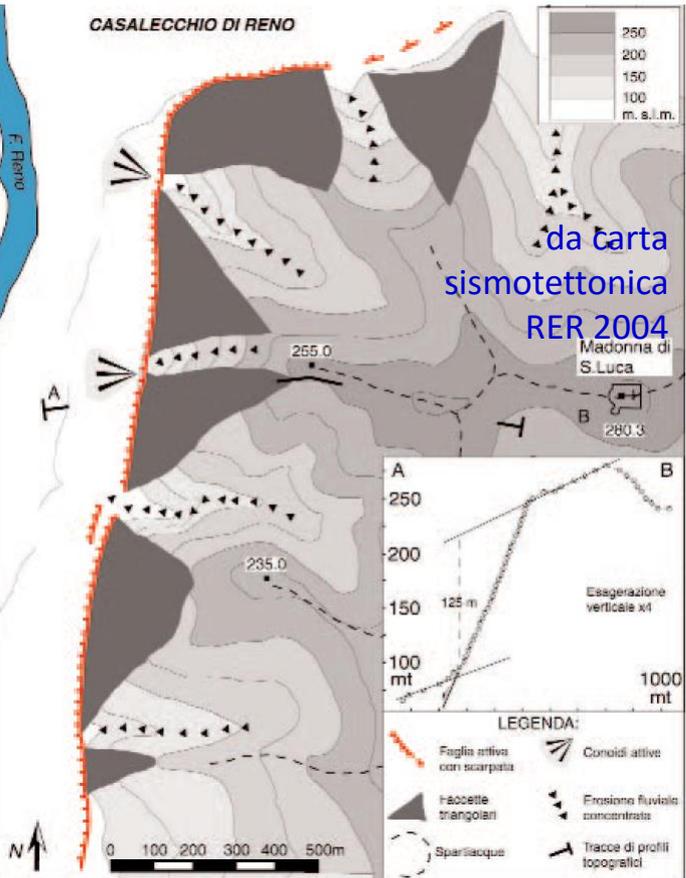
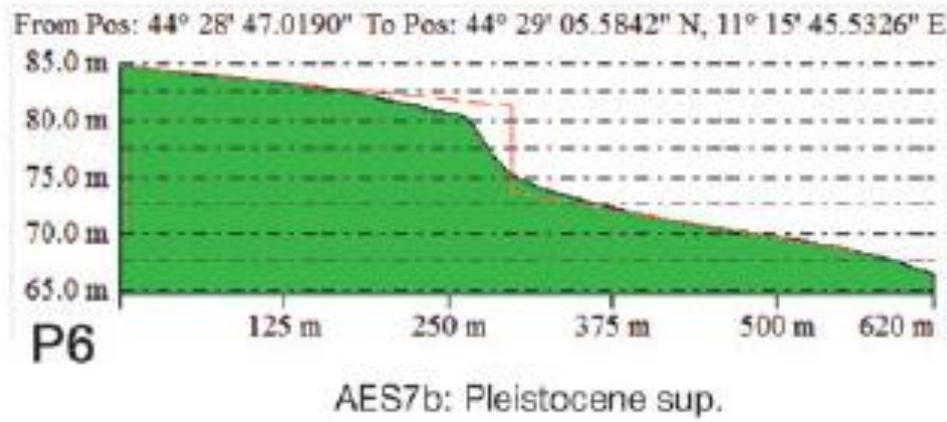
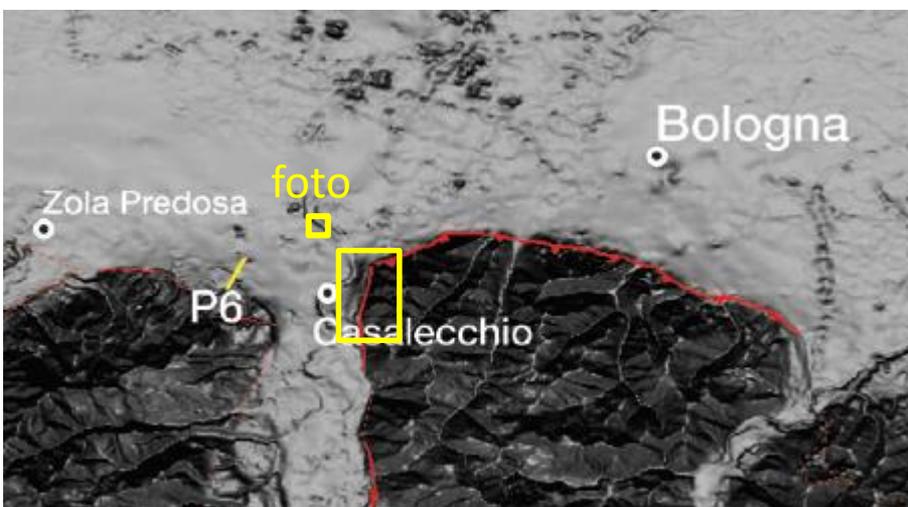
AES6: Pleistocene medio?
v = 30 m



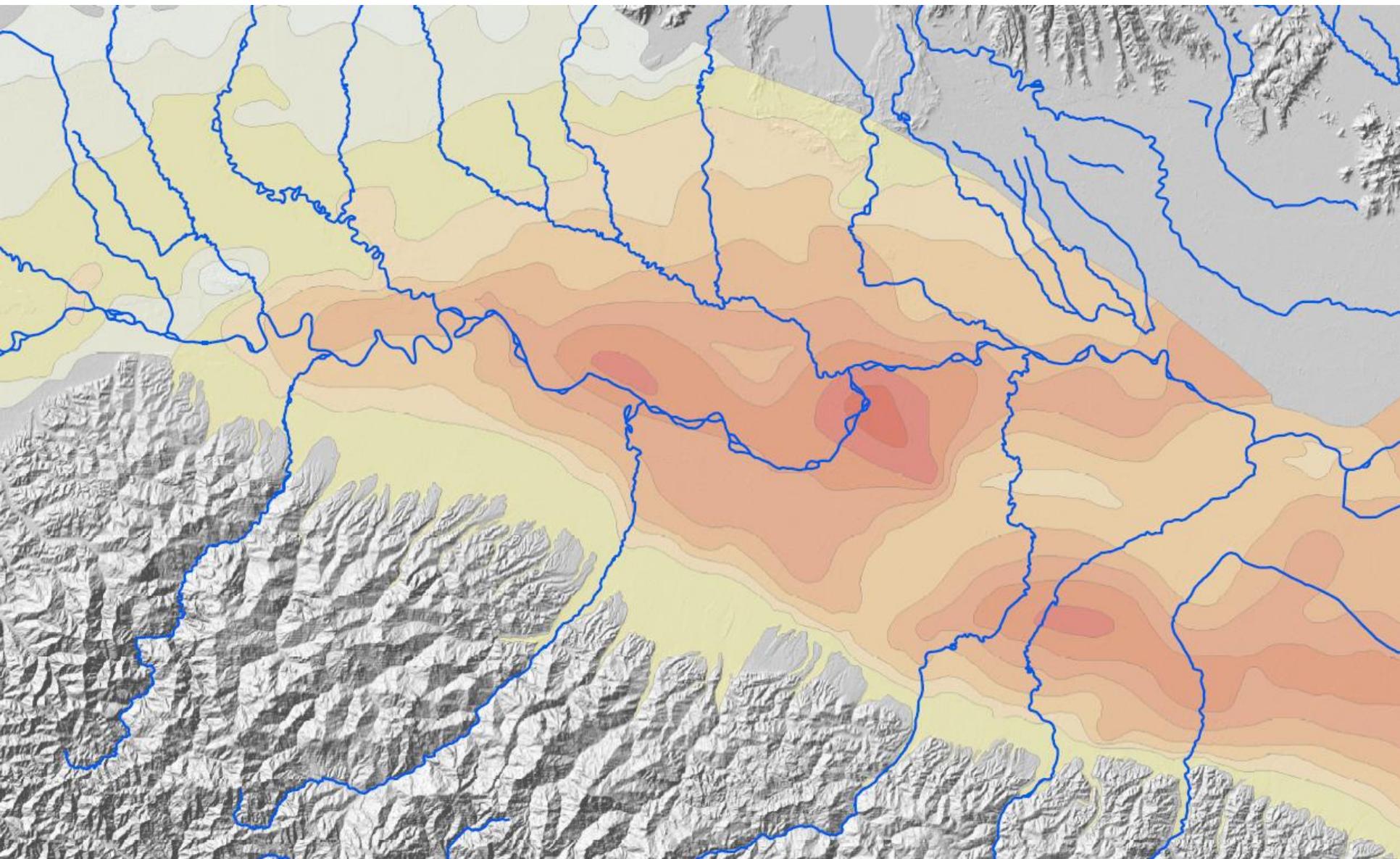
AES7b:
Pleistocene sup./
Olocene basale
v = 5 m



AES6:
Pleistocene medio?
v = 13 m



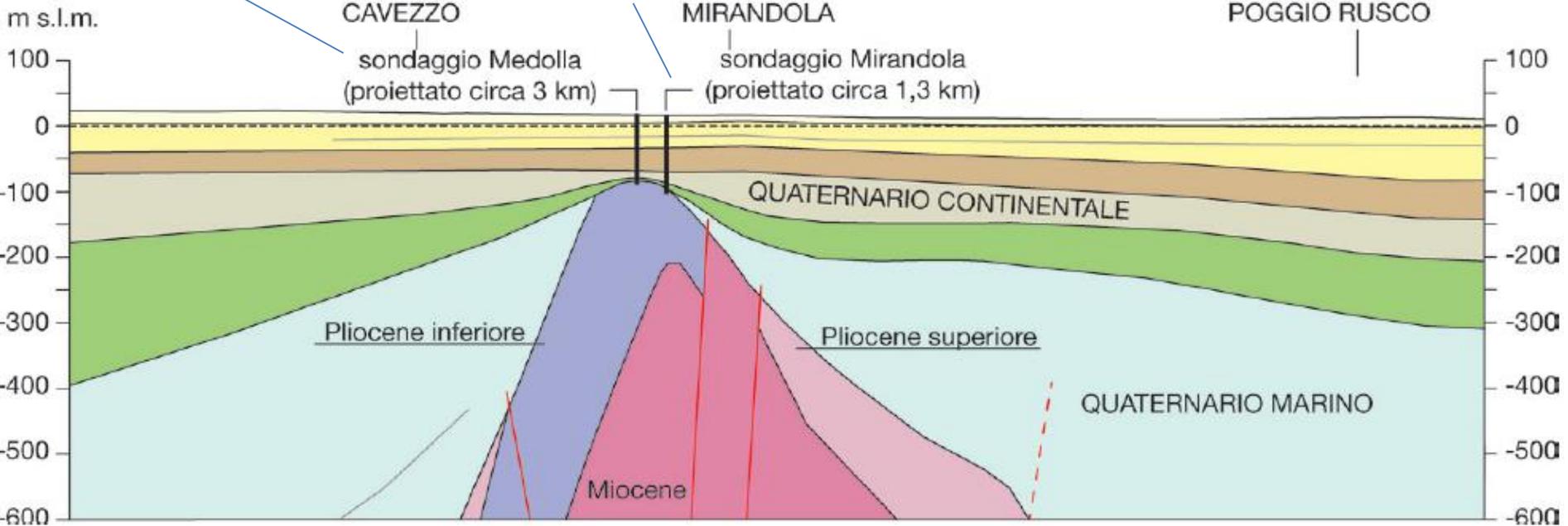
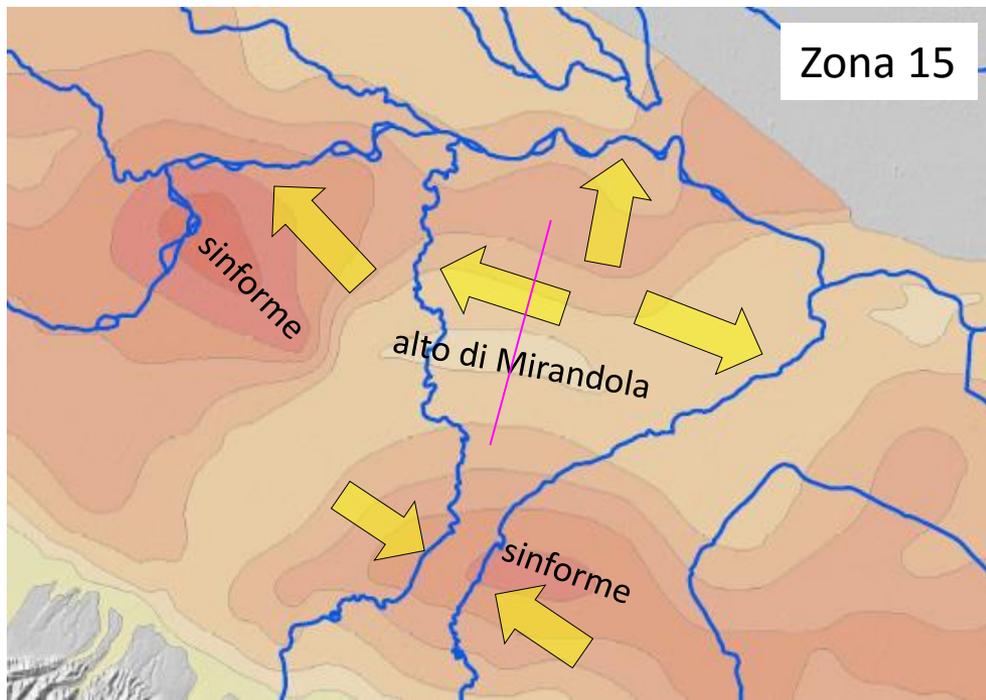
Pianura: reticolo idrografico vs alti e bassi sepolti



MEDOLLA NORD

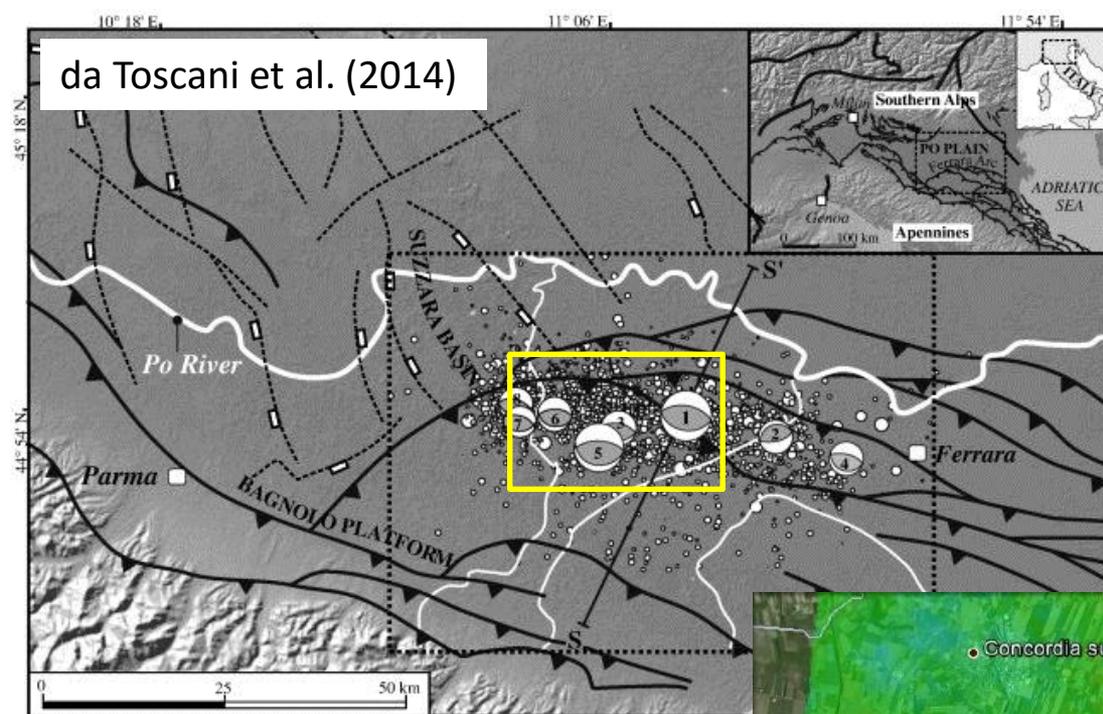


MIRANDOLA SUD



da Toscani et al. (2014)

sequenza sismica 2012



(1) M_w 6.1 (M_s 5.9) 2012-05-20 (02:03:52 UTC)	(2) M_s 5.1 2012-05-20 (02:07:31 UTC)
(4) M_s 5.1 2012-05-20 (13:18:02 UTC)	(5) M_w 6.0 (M_s 5.8) 2012-05-29 (07:00:03 UTC)
(7) M_s 5.2 2012-05-29 (11:00:29 UTC)	(8) M_s 5.1 2012-06-03 (19:20:43 UTC)

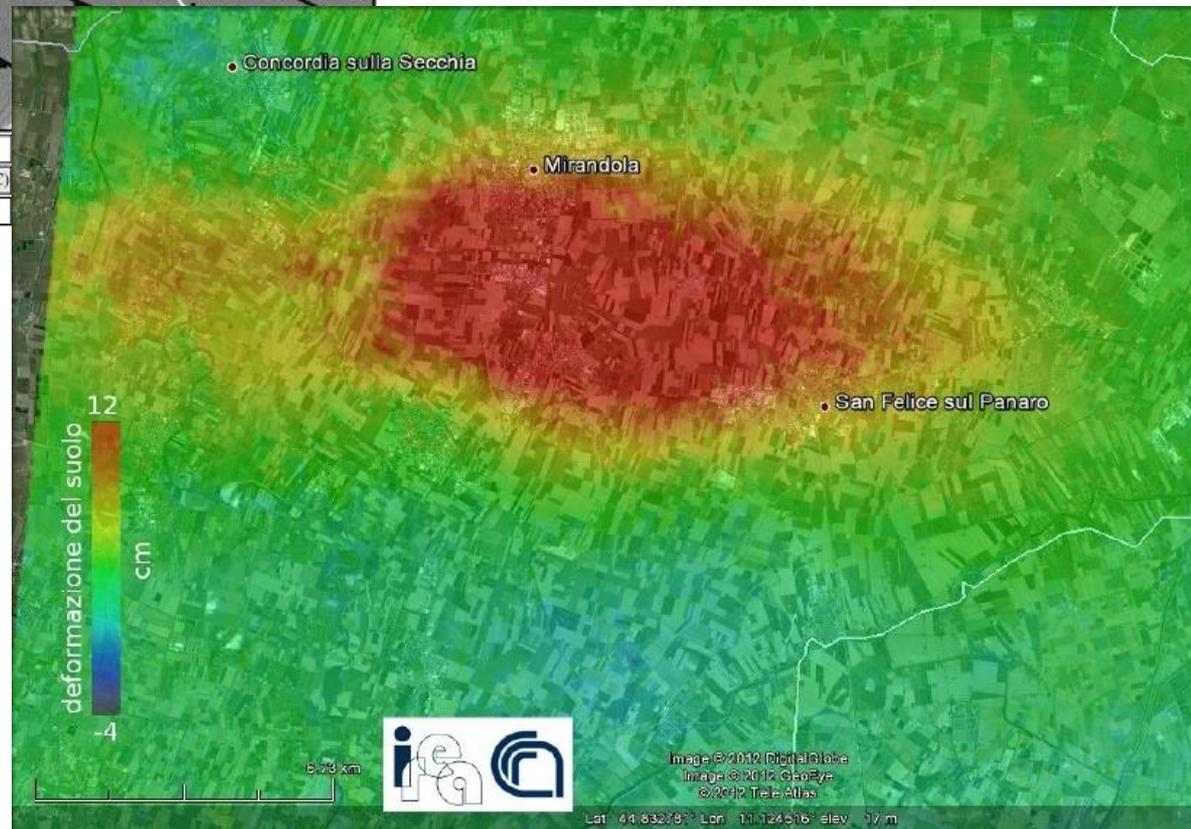
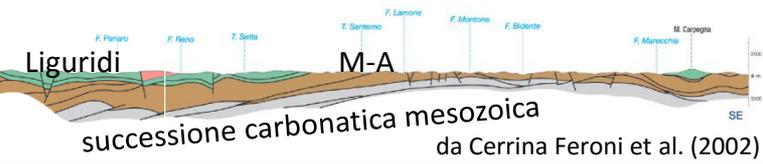
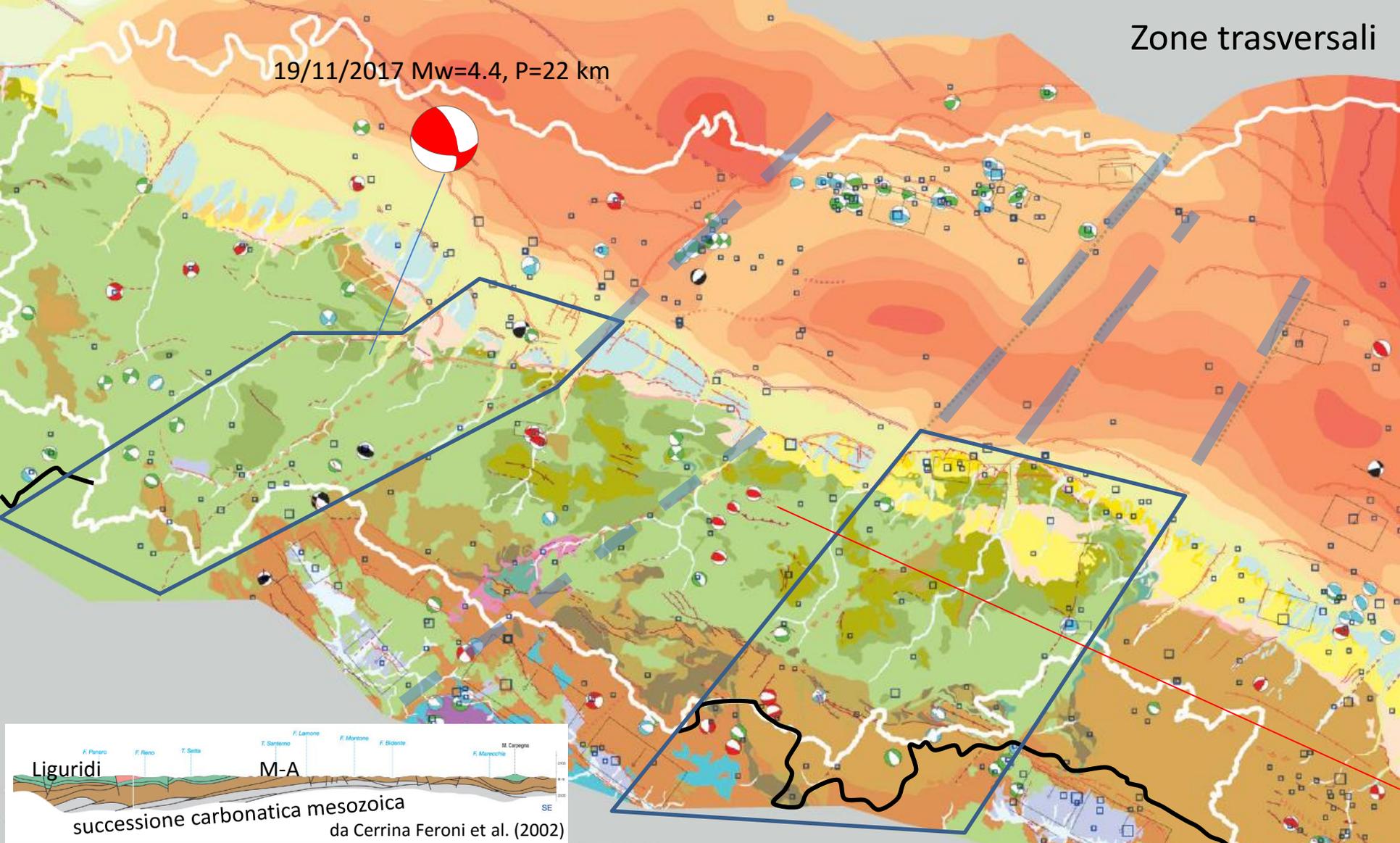


Image © 2012 DigitalGlobe
Image © 2012 GeoEye
© 2012 Tele Atlas

Lat: 44.63278° Lon: 11.124516° elev: 17 m

Zone trasversali

19/11/2017 Mw=4.4, P=22 km



Zone di deformazione trasversali sono state riconosciute e descritte da decenni (Ghelardoni, 1965; Bortolotti, 1966; ...). Evidenze morfologiche, strutturali e stratigrafiche indicano che tali strutture hanno influenzato anche l'attuale assetto morfologico e tettonico, dislocando il crinale appenninico e il margine catena-pianura, interferendo con le strutture appenniniche

Milano

Ferrara

Bologna

Firenze

San Marino

Grazie per l'attenzione

