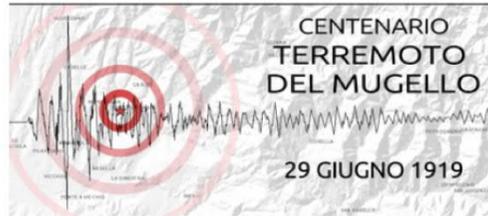




Regione Toscana



Rischio Sismico



100°  
MUGELLO

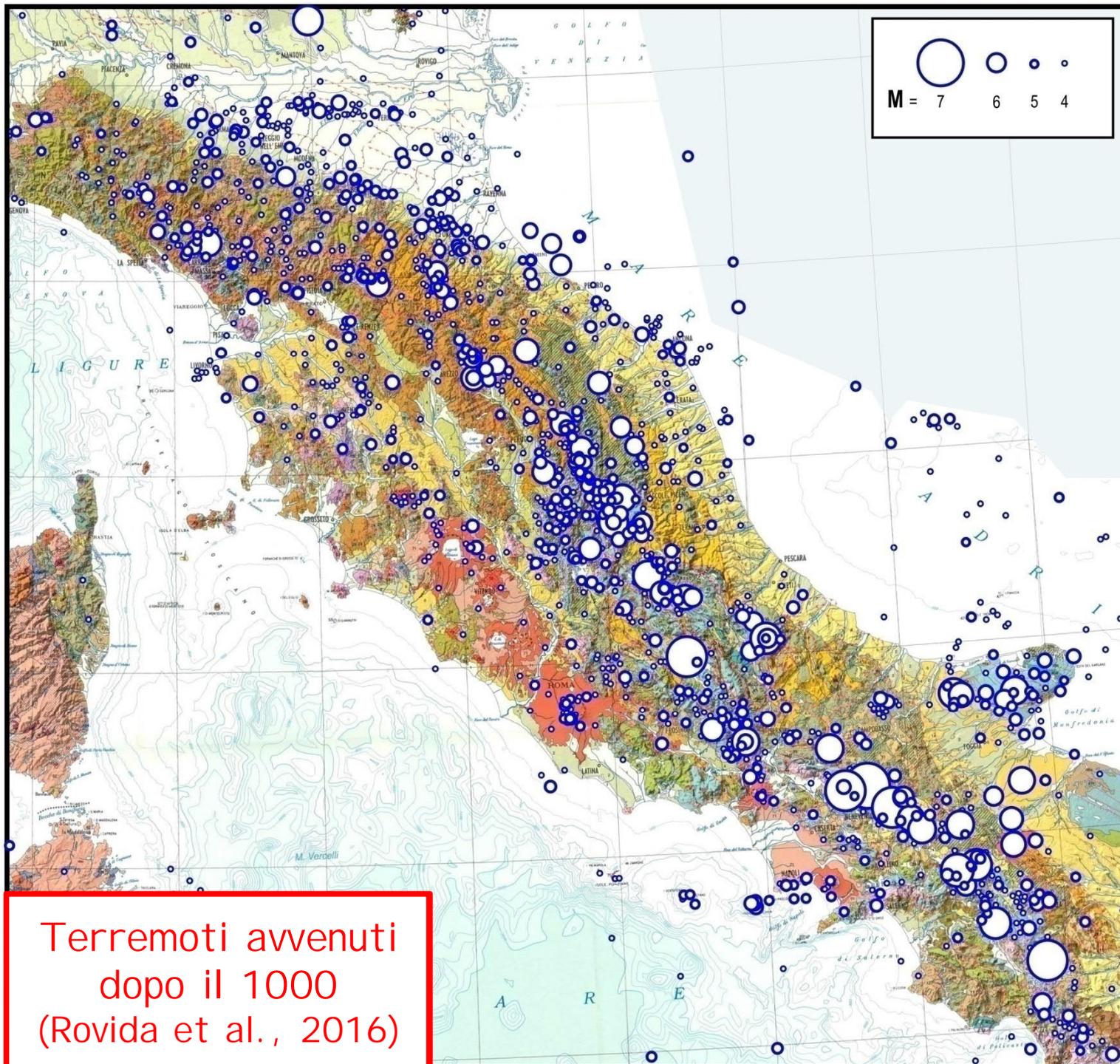
Centenario sisma del 29 giugno 1919

# Inquadramento geodinamico e sismotettonico dell'area del Mugello

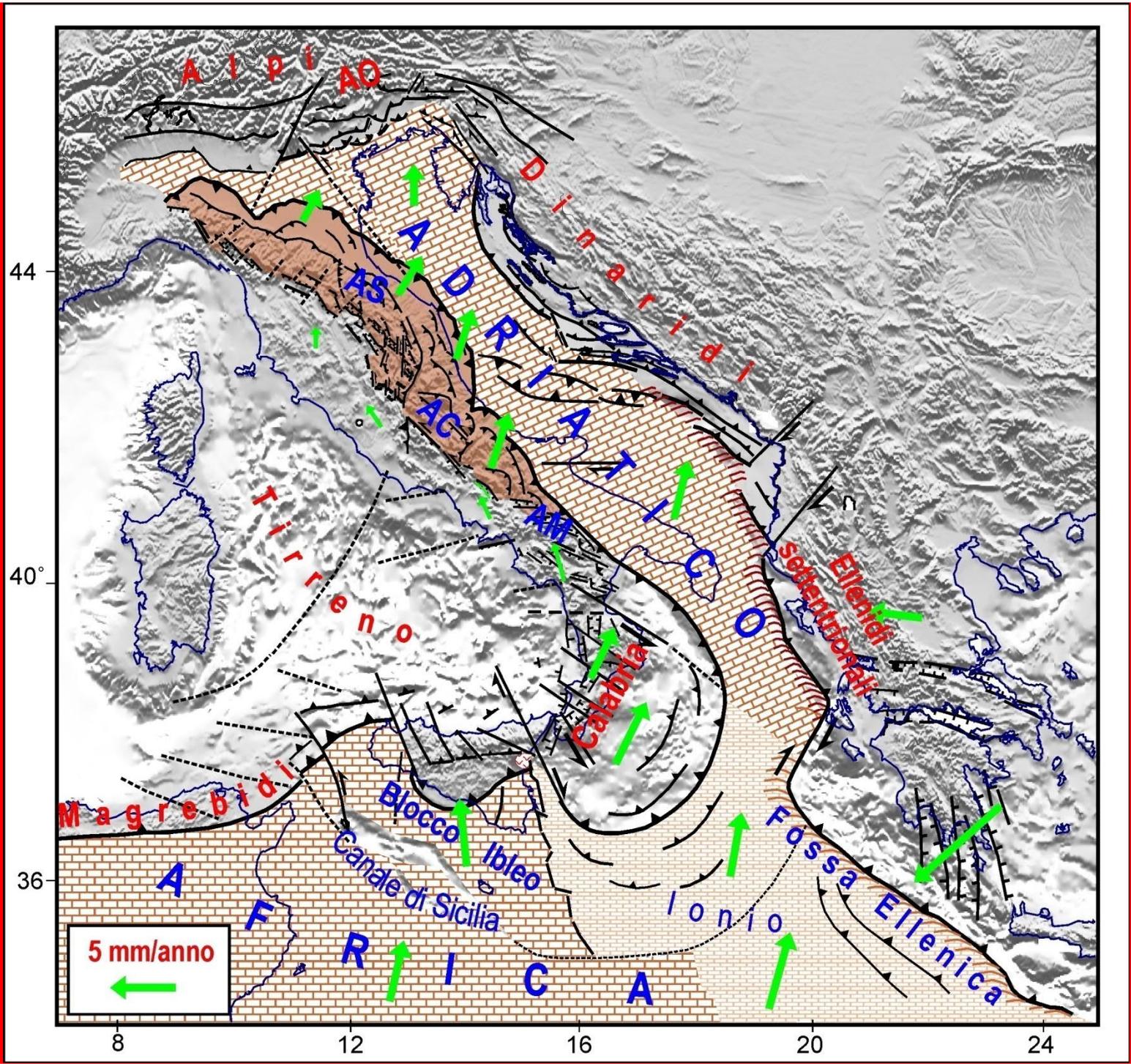
Enzo Mantovani

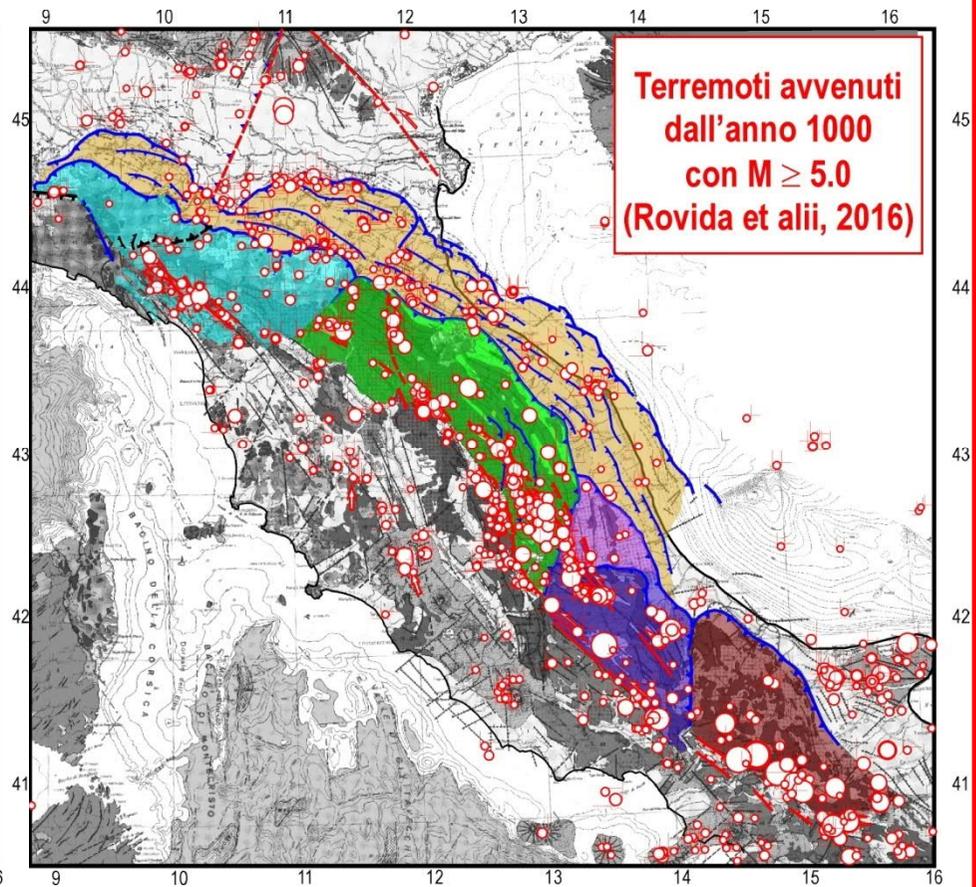
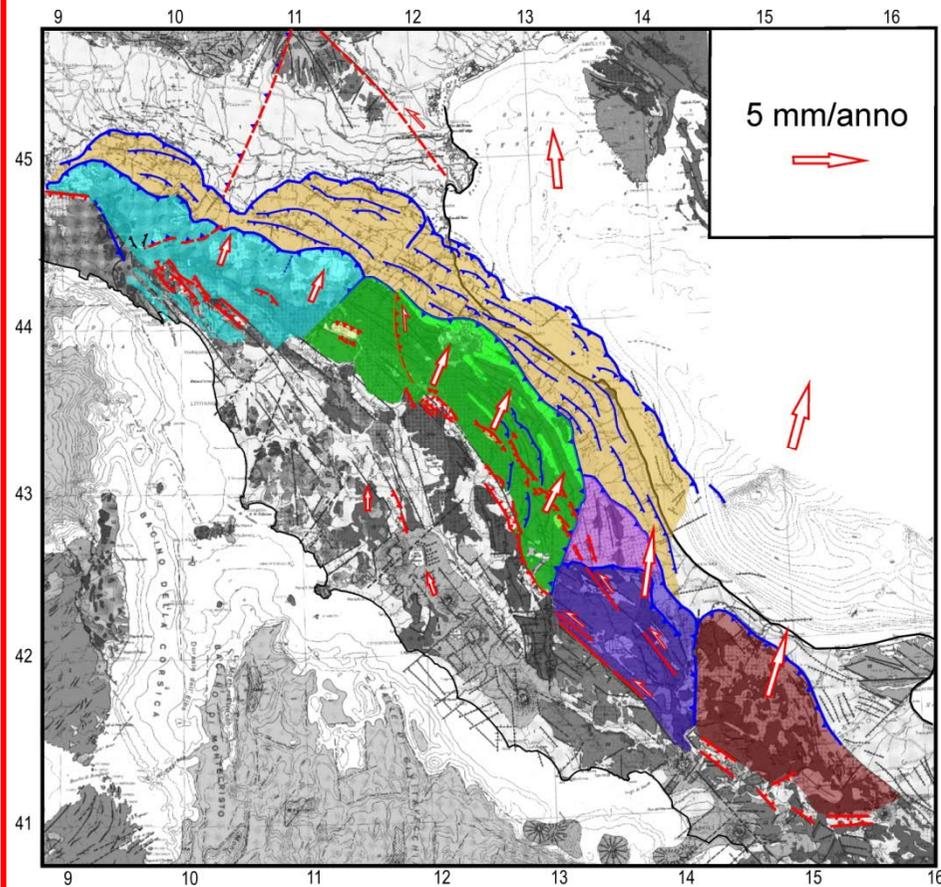
Dipartimento di Scienze Fisiche, della Terra e dell'Ambiente  
Università di Siena

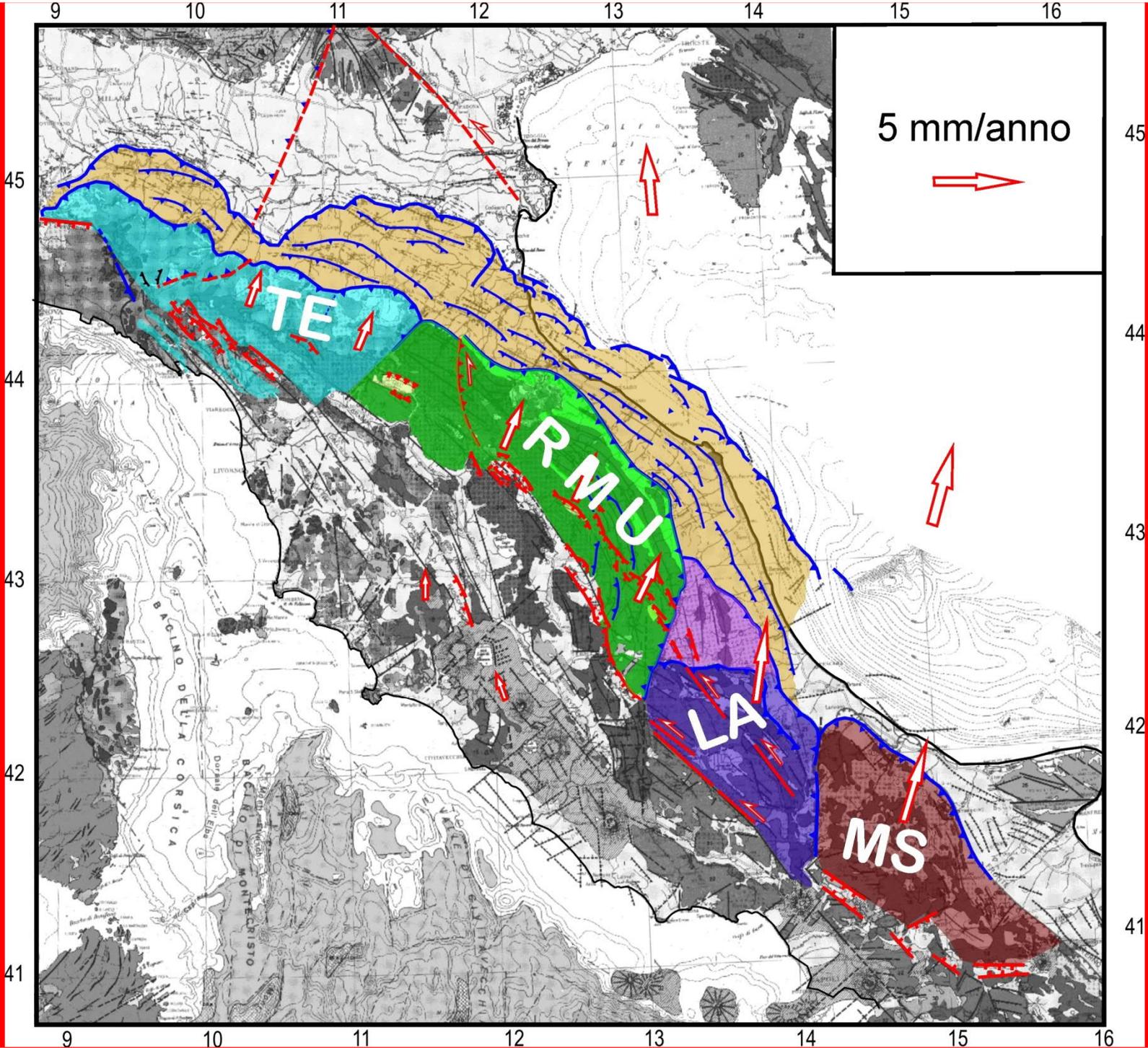


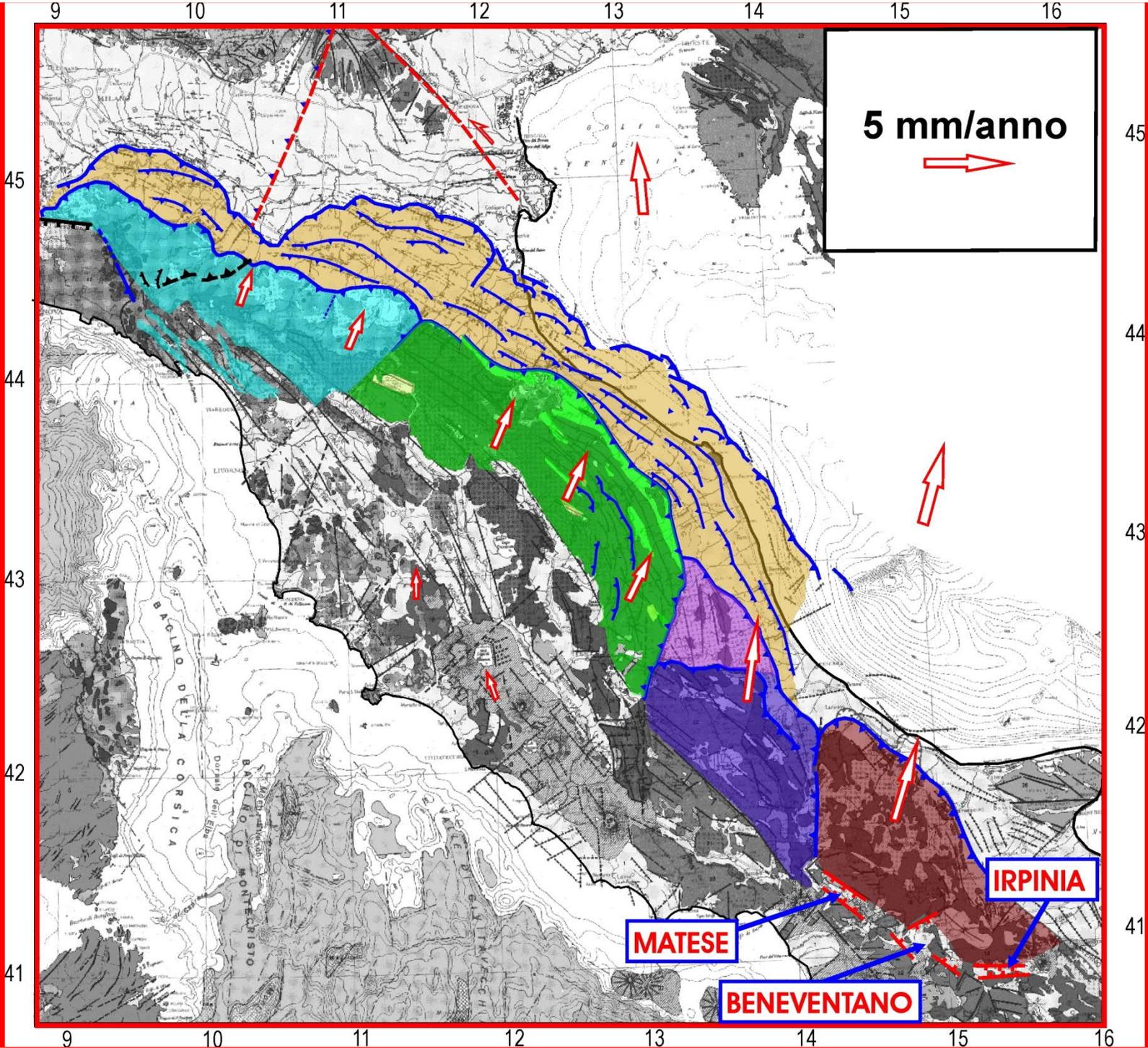


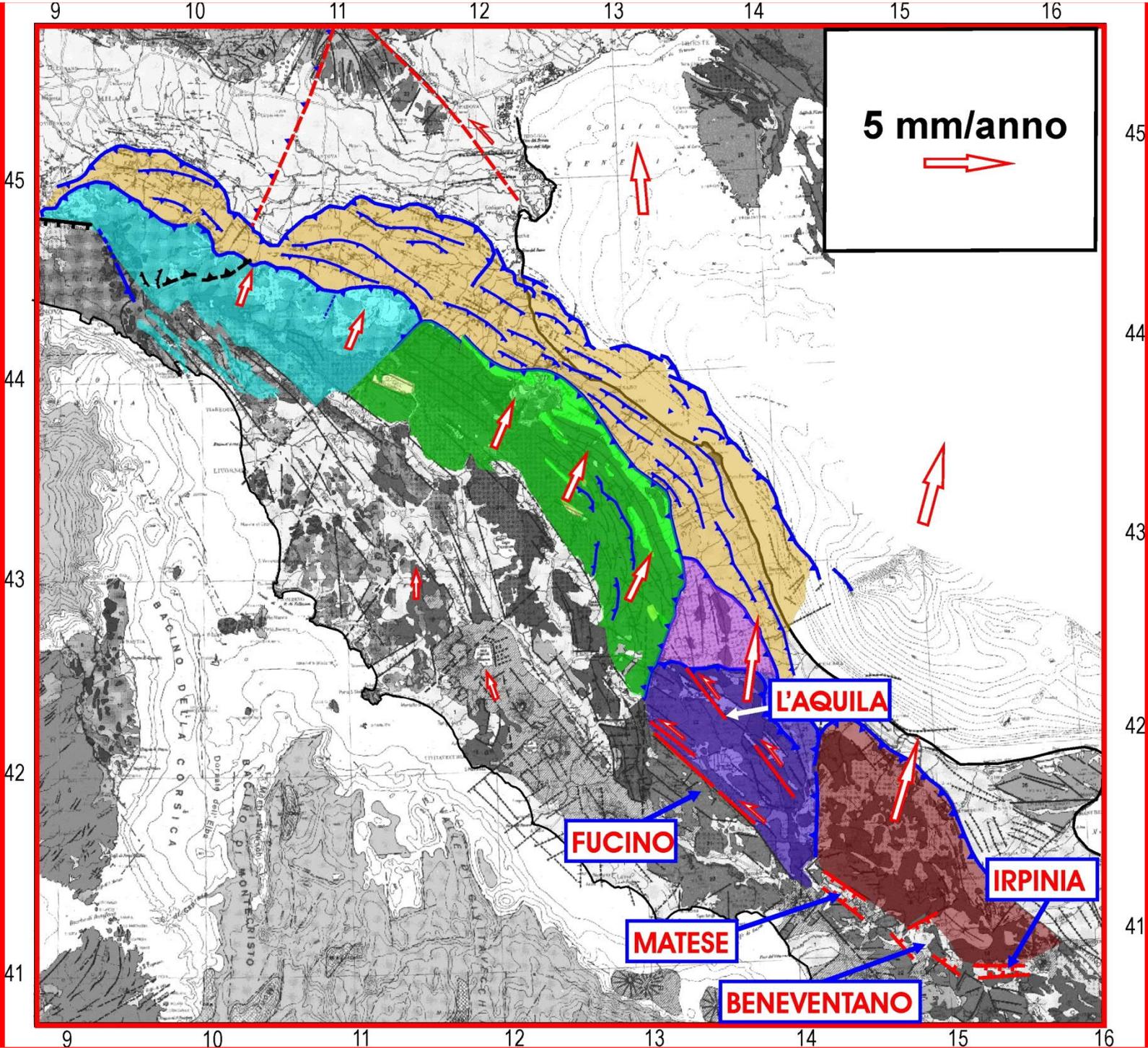
Terremoti avvenuti  
dopo il 1000  
(Rovida et al., 2016)











5 mm/anno



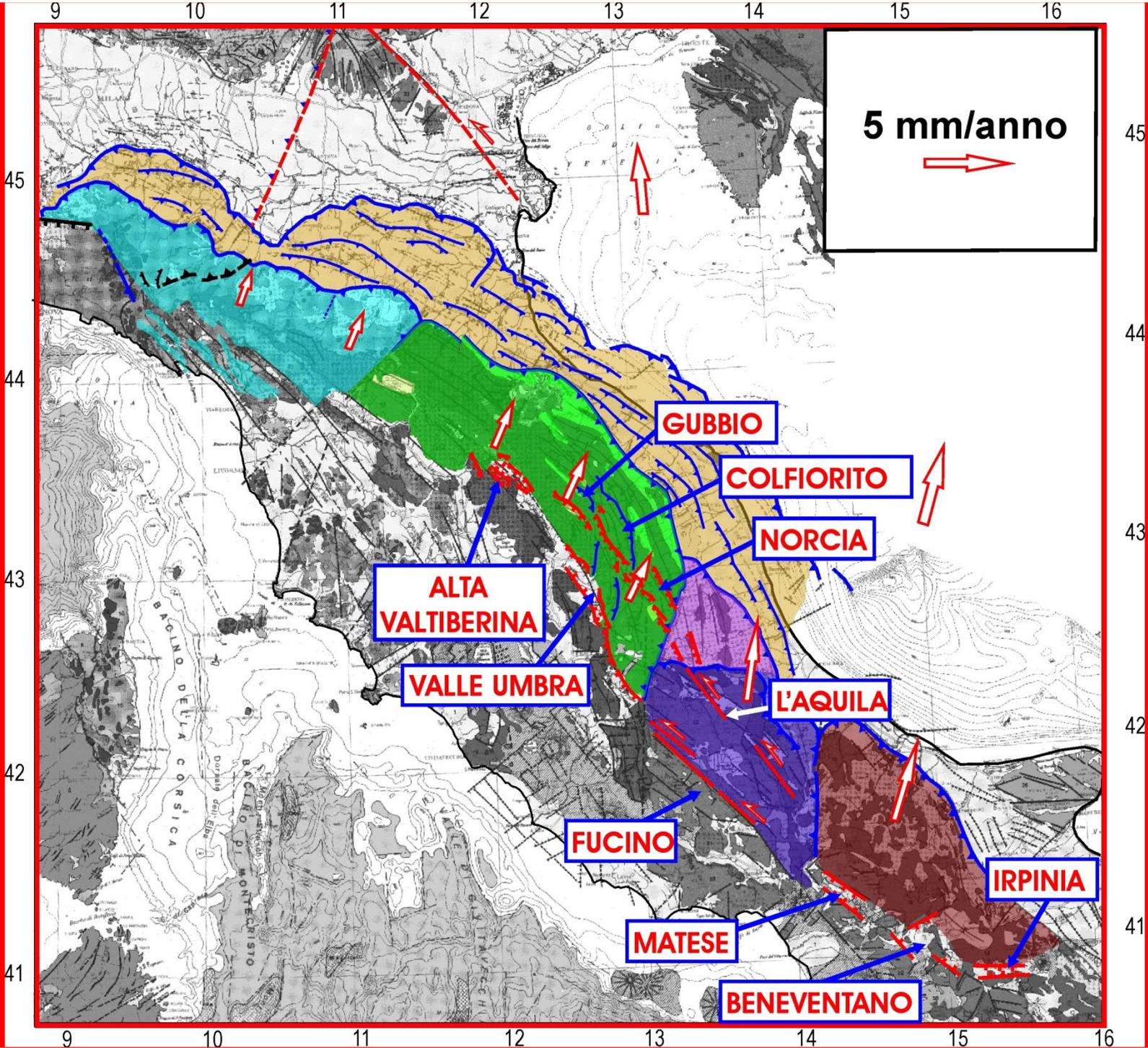
FUCINO

MATESE

BENEVENTANO

L'AQUILA

IRPINIA



5 mm/anno



ALTA  
VALTIBERINA

VALLE UMBRA

GUBBIO

COLFIORITO

NORCIA

L'AQUILA

FUCINO

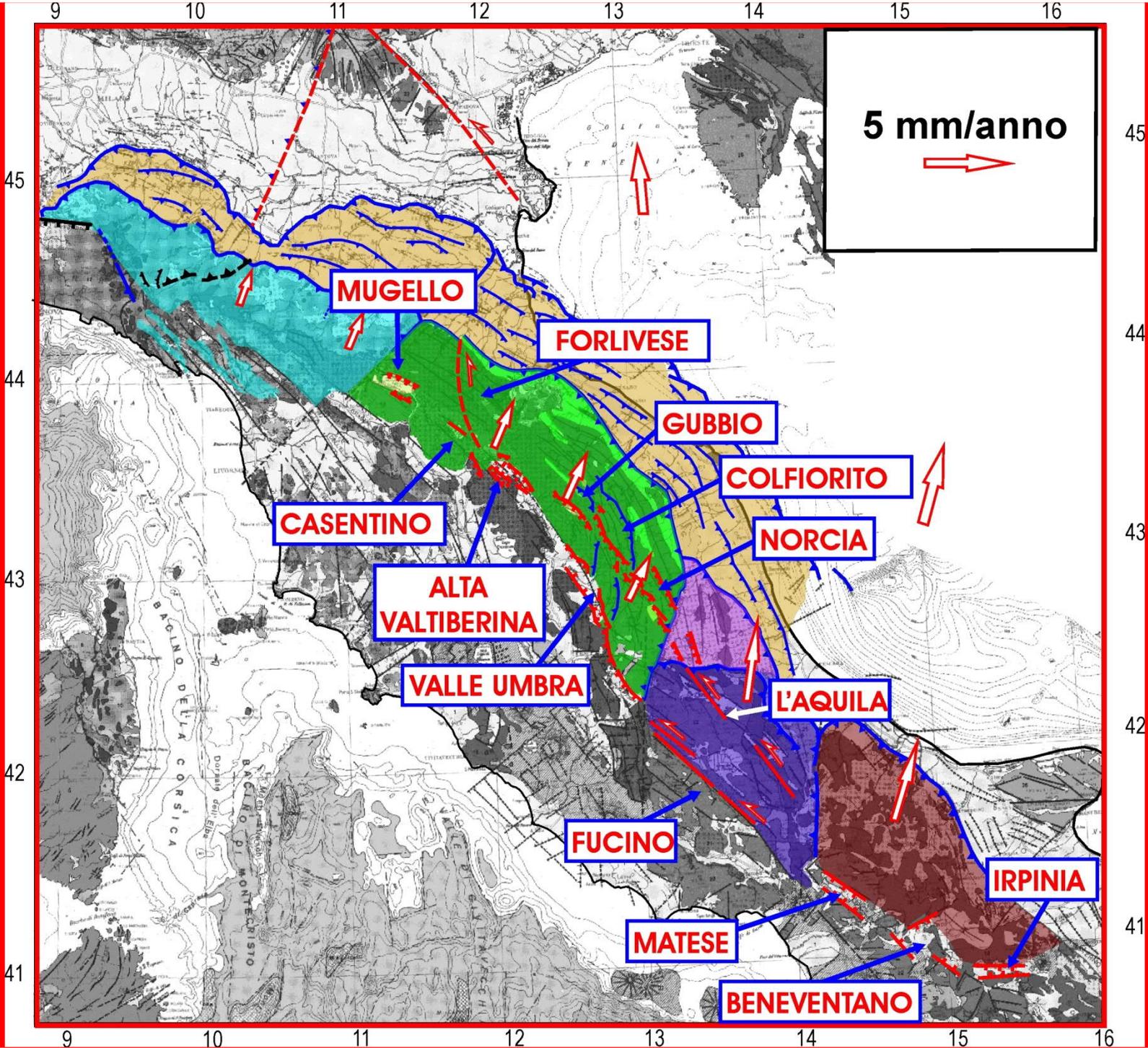
MATESE

BENEVENTANO

IRPINIA

BAGNO DELLA CORSICA

BACINO PI. MONTENOSTRO



5 mm/anno



MUGELLO

FORLIVese

CASENTINO

ALTA  
VALTIBERINA

VALLE UMBRA

GUBBIO

COLFIORITO

NORCIA

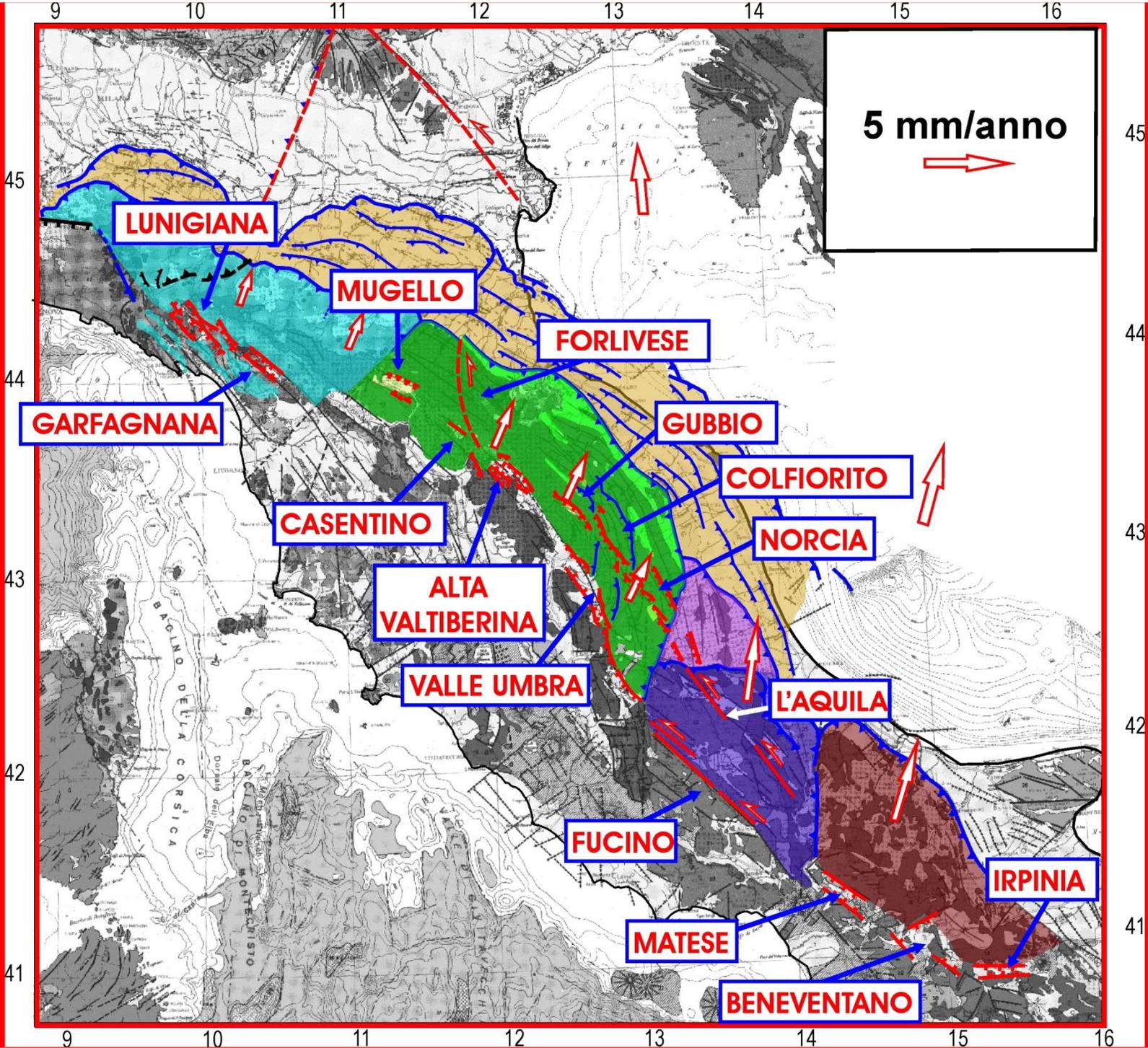
L'AQUILA

FUCINO

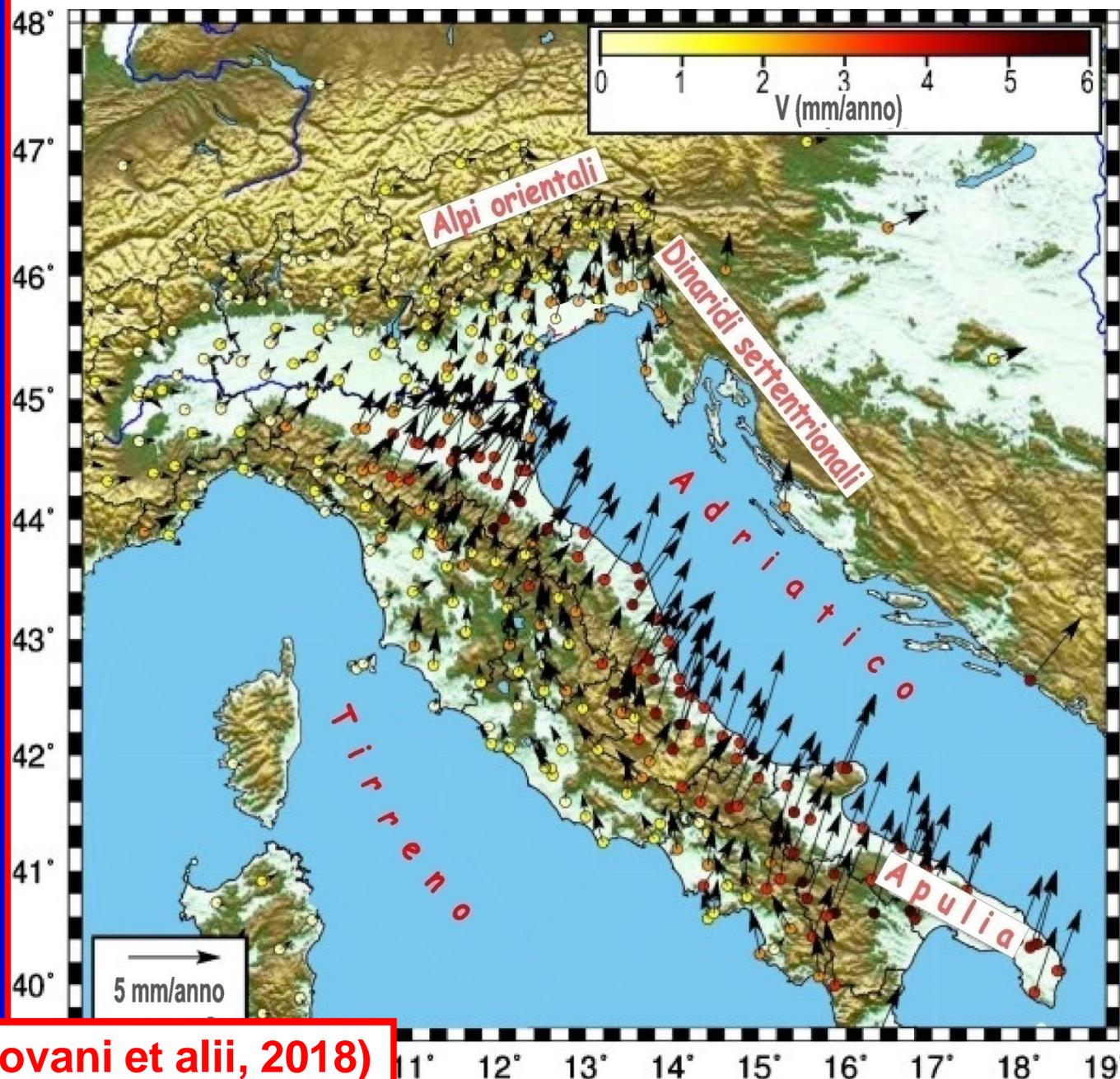
MATESE

BENEVENTANO

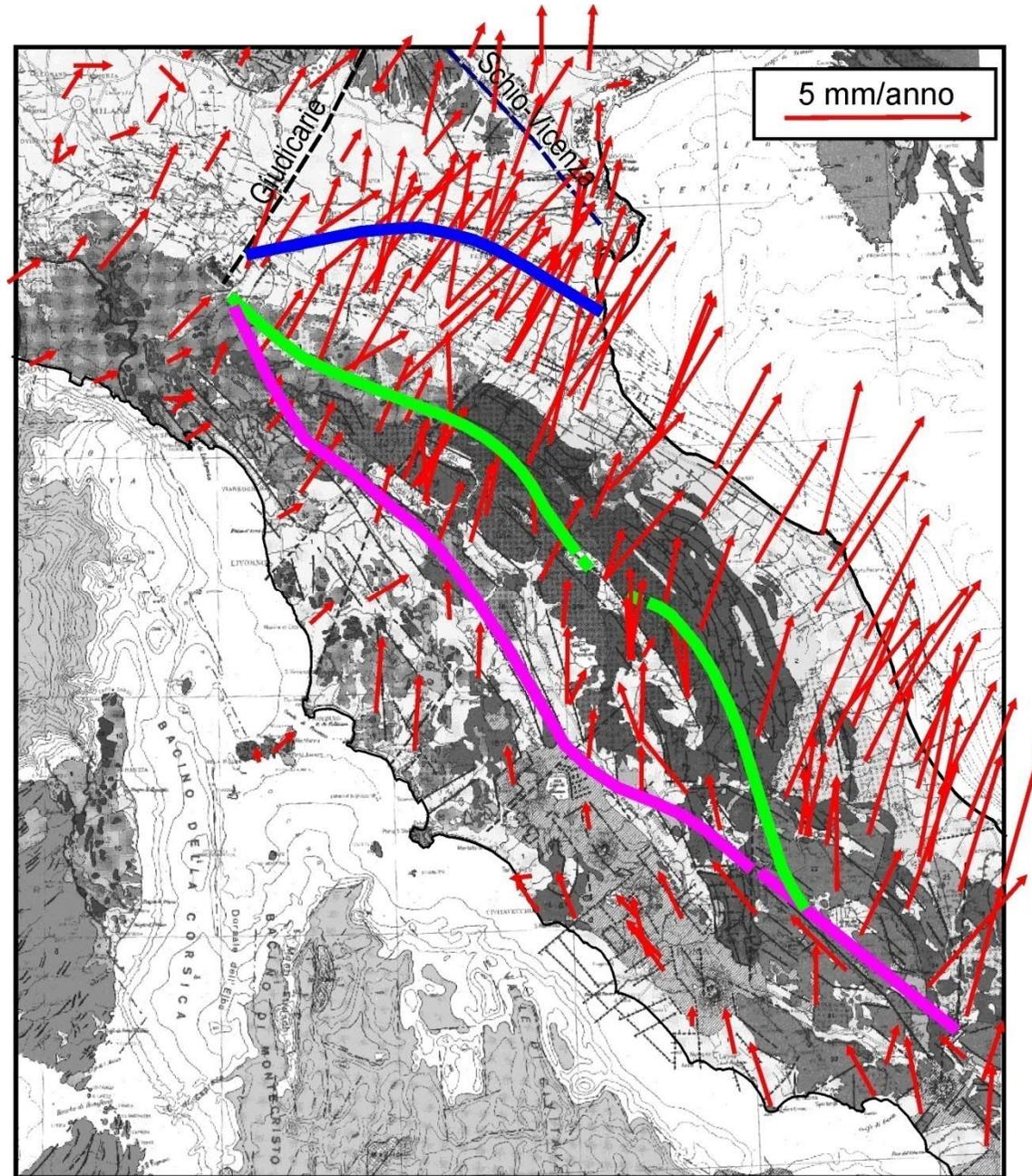
IRPINIA



# Velocità orizzontali GPS rispetto all'Europa



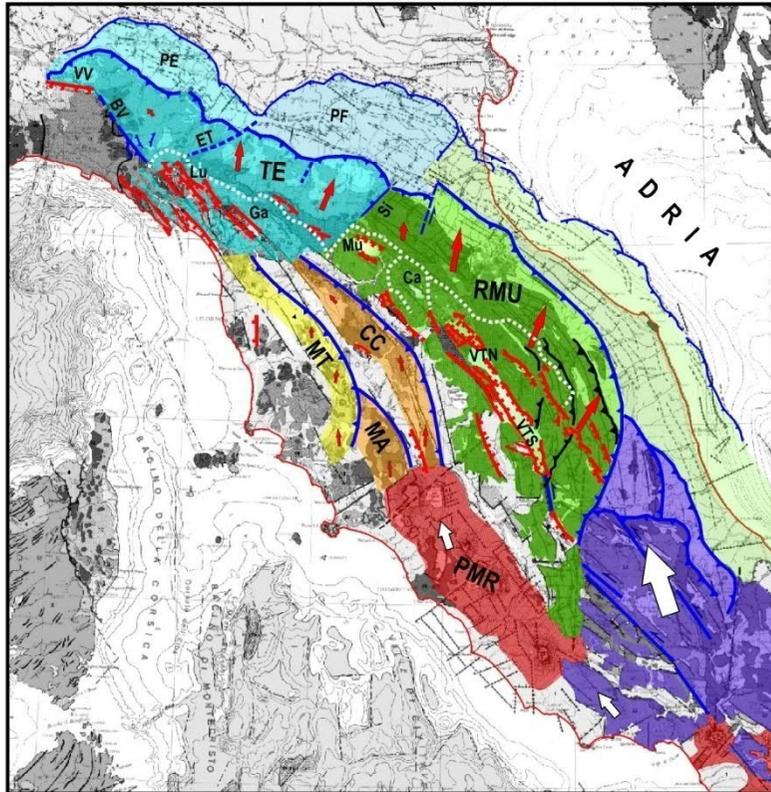
da Mantovani et alii, 2018)



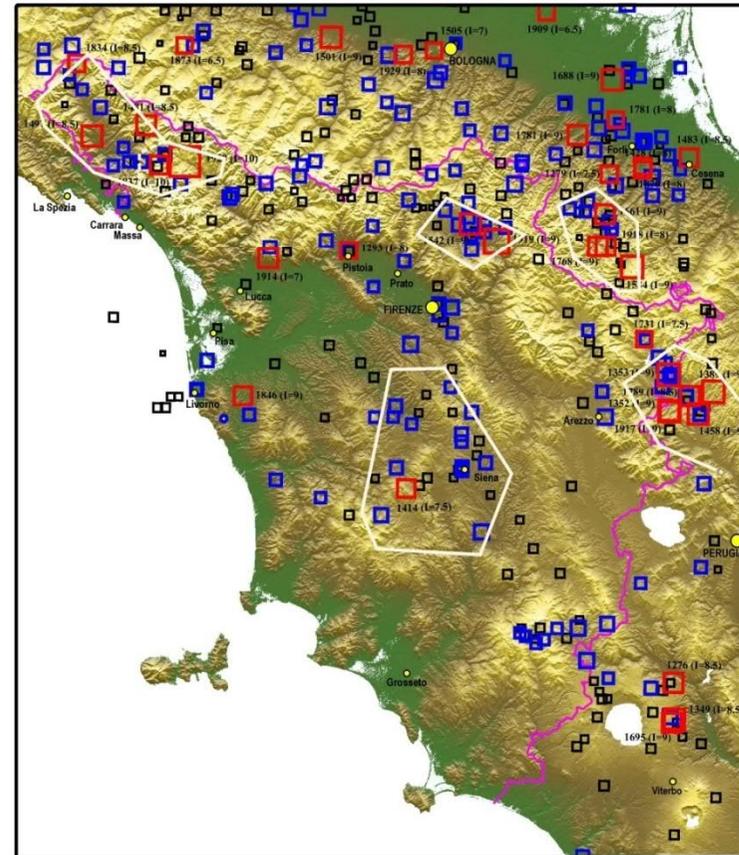
da Mantovani et alii, 2019)



## Sismotettonica dell'Appennino settentrionale Implicazioni per la pericolosità sismica della Toscana



## Potenzialità sismica della Toscana e definizione di criteri di priorità per interventi di prevenzione





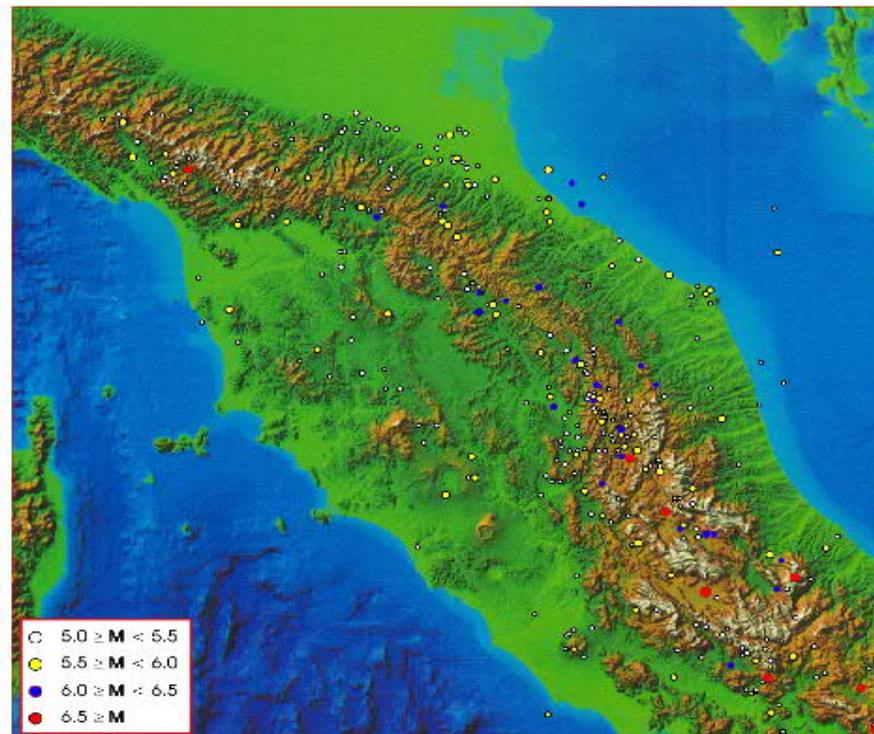


UNIVERSITÀ  
DI SIENA 1240

Dipartimento di Scienze Fisiche, della Terra e dell'Ambiente

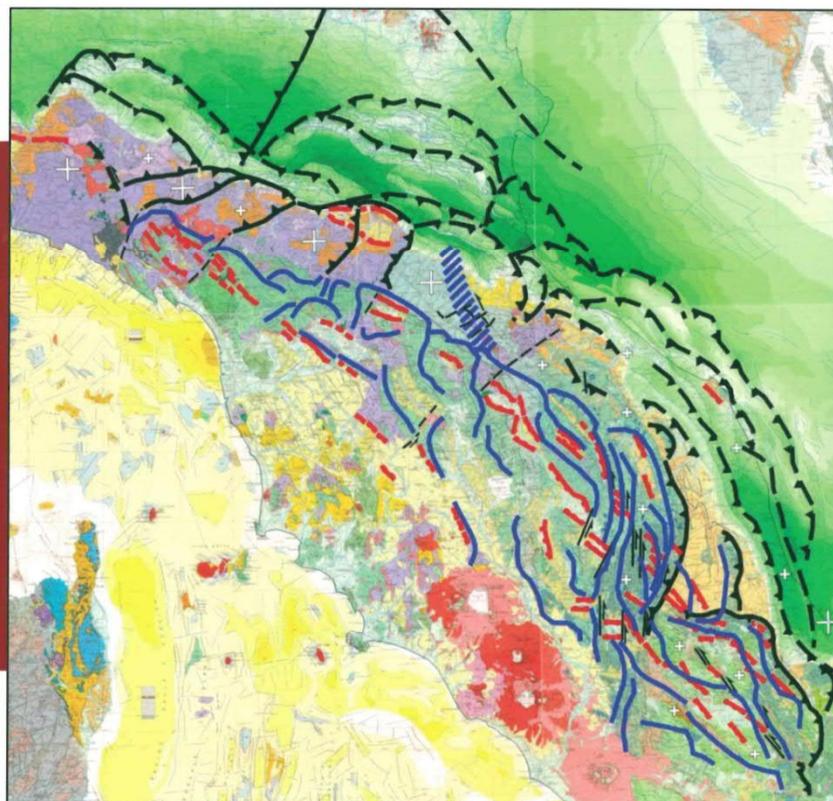
## Assetto tettonico e potenzialità sismogenetica dell'Appennino Tosco-Umbro-Marchigiano

Mantovani E., Viti M., Babbucci D., Cenni N., Tamburelli C., Vannucchi A., Falciani F.



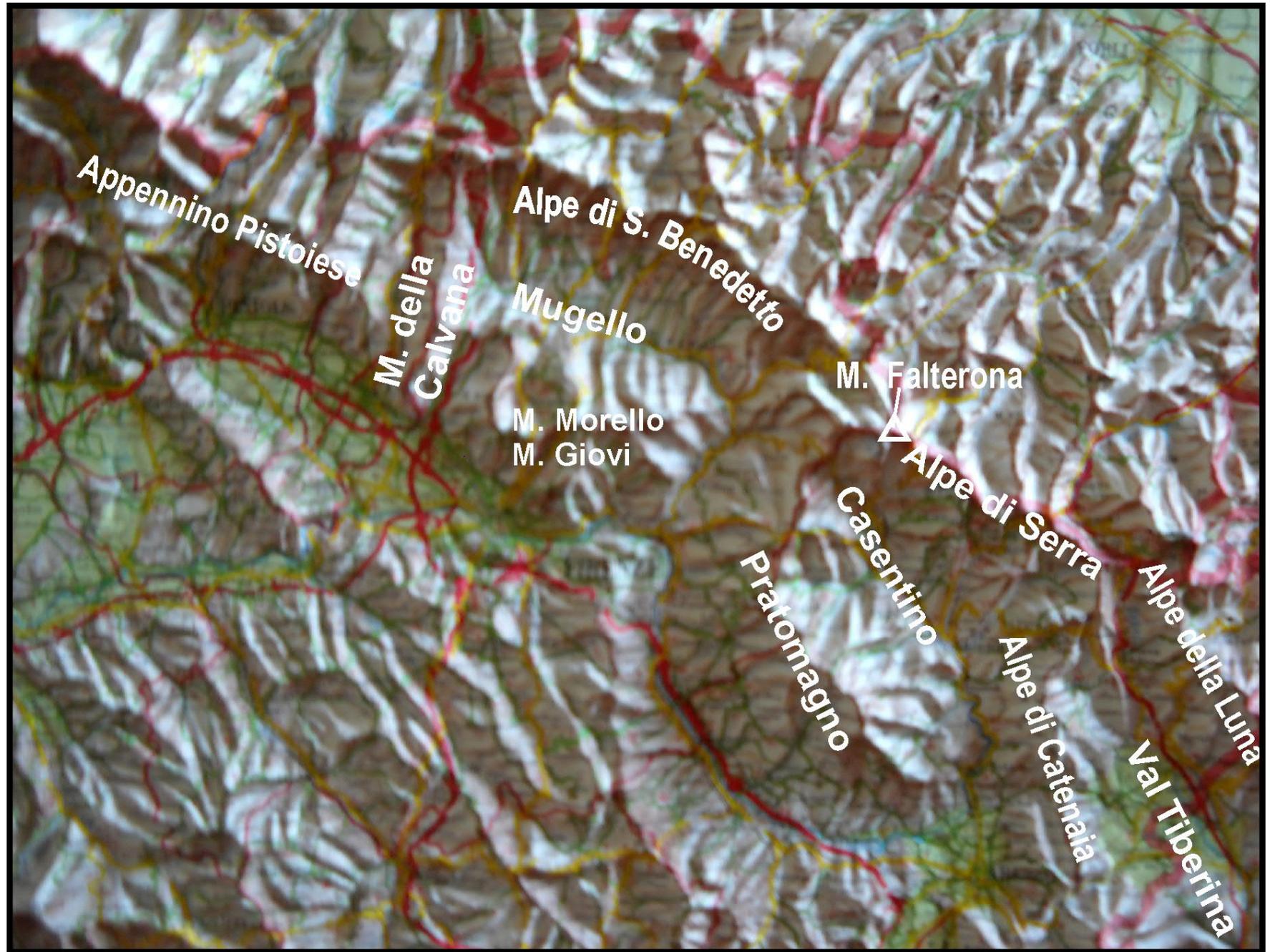
# Stima aggiornata della pericolosità sismica in Toscana e aree circostanti

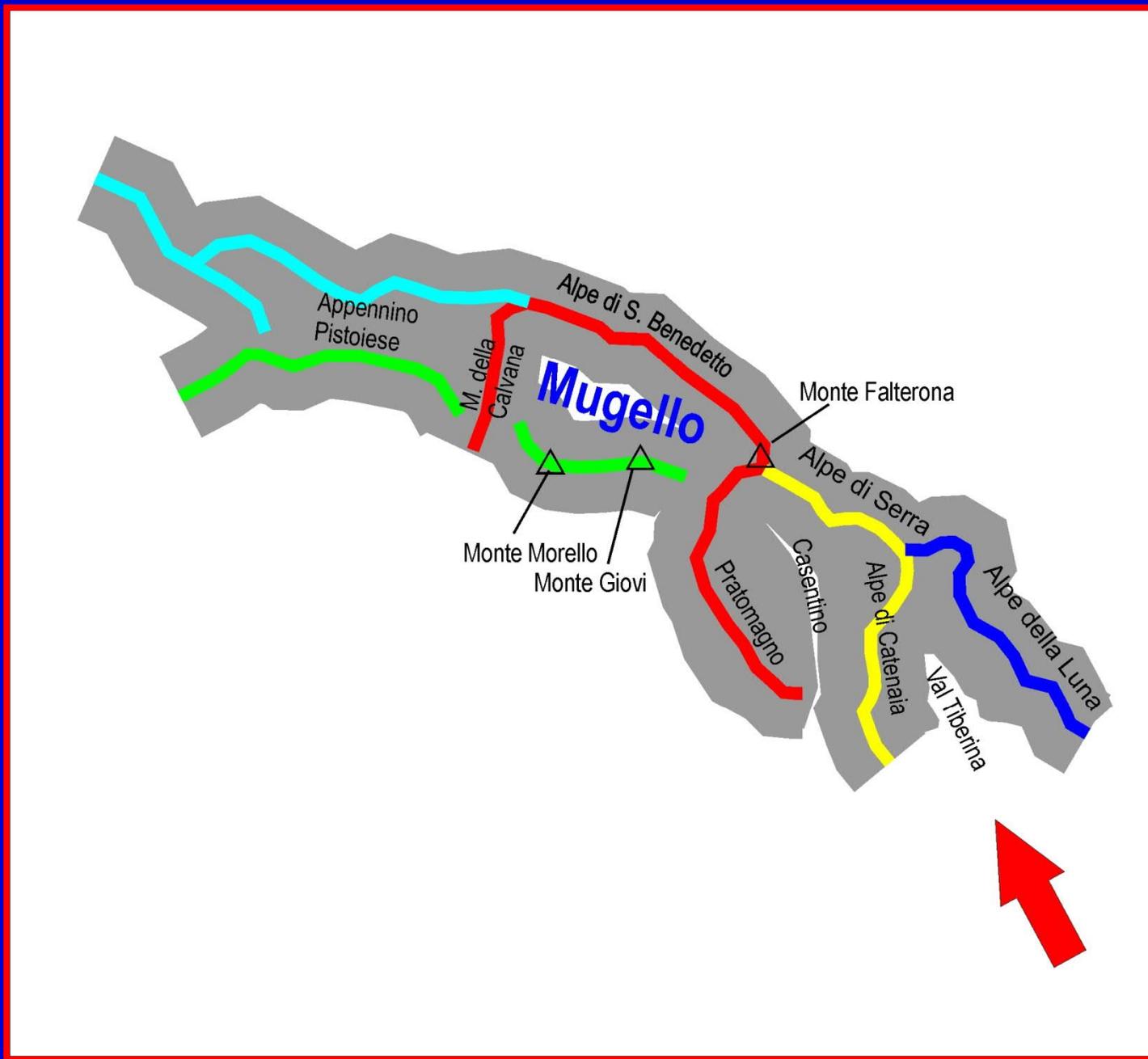
Enzo Mantovani, Marcello Viti, Daniele Babbucci, Caterina Tamburelli, Andrea Vannucchi  
Massimo Baglione, Vittorio D'Intinosante, Nicola Cenni



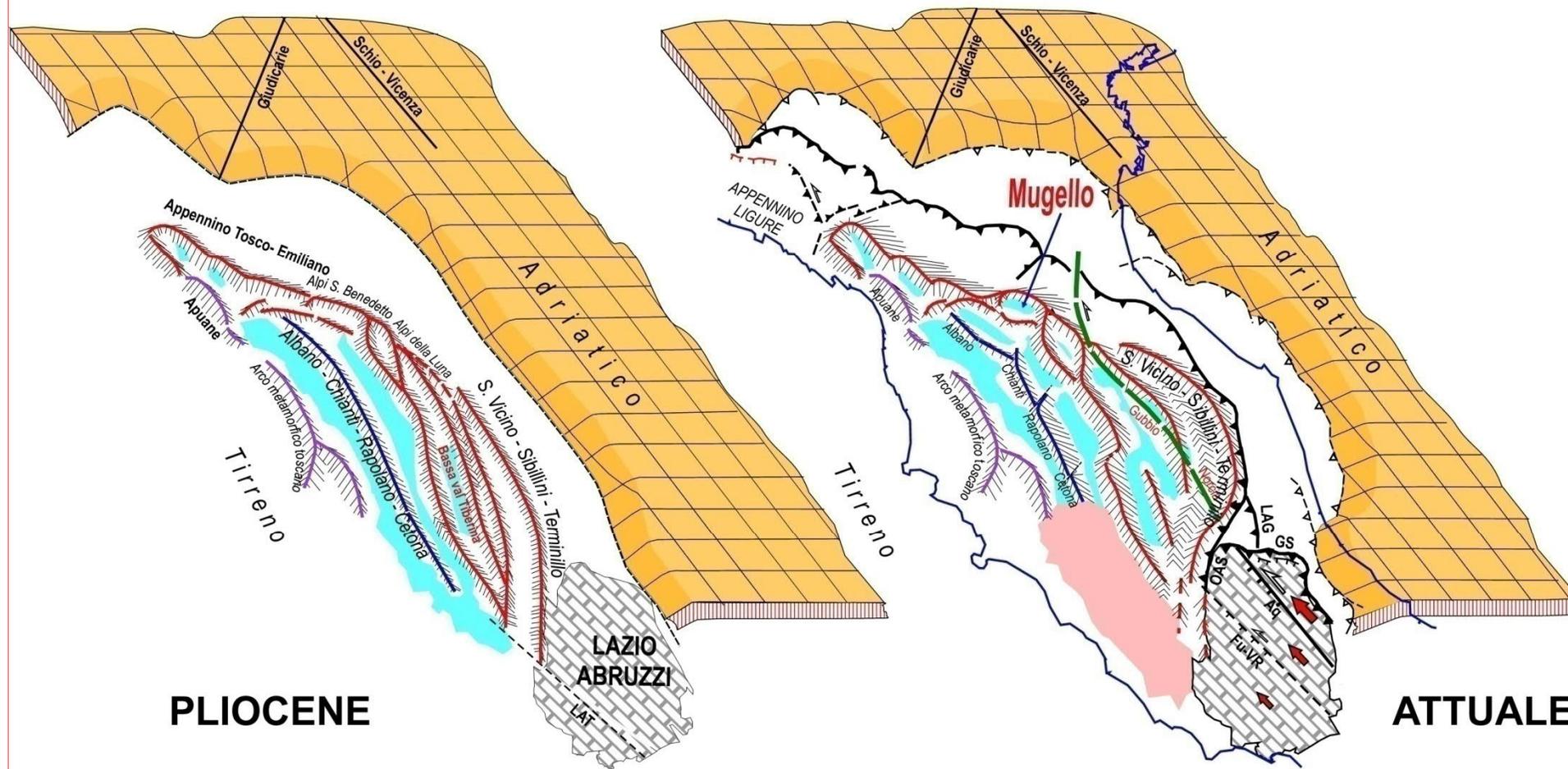
Per quanto riguarda  
la zona del Mugello...



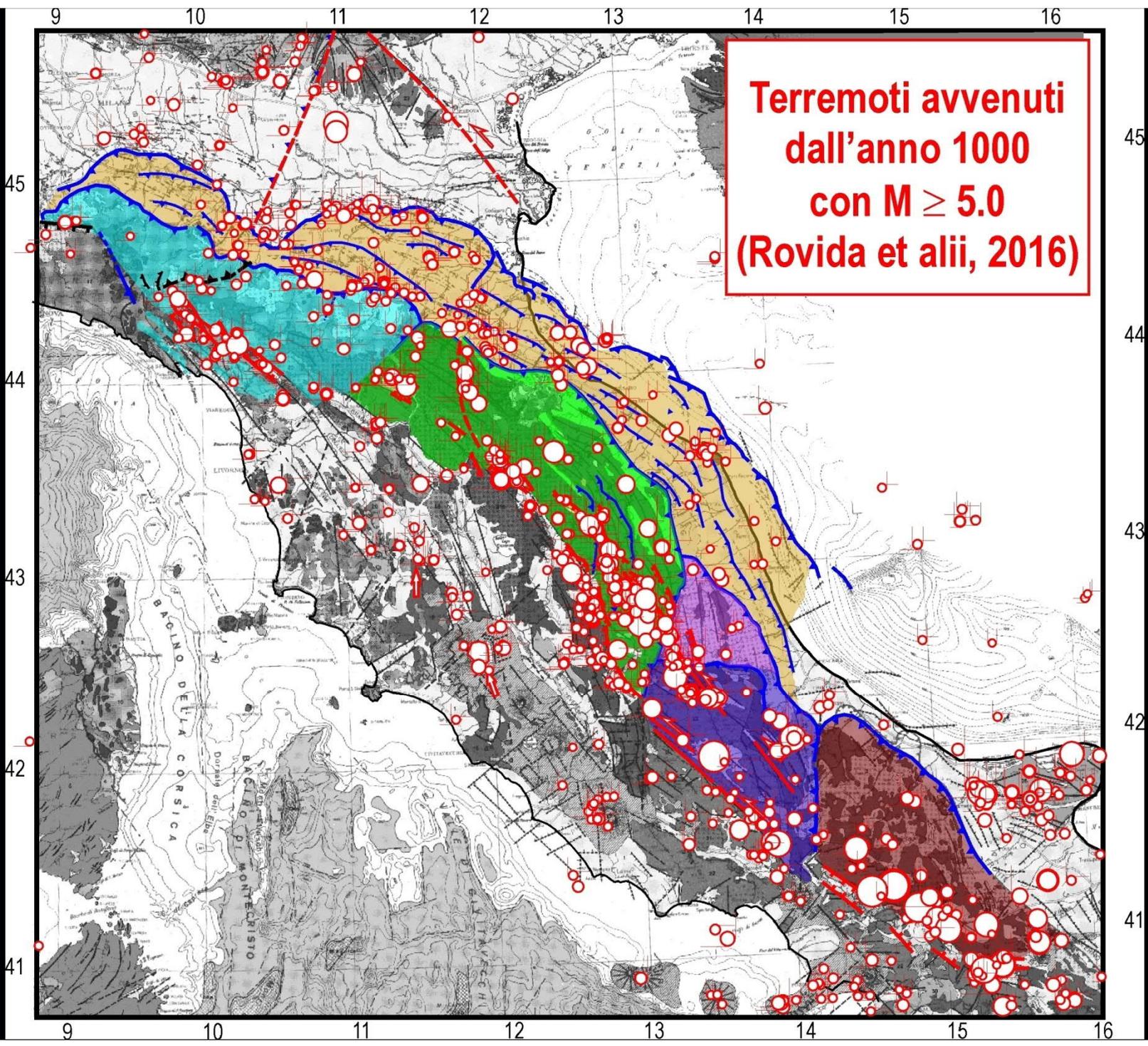




da Mantovani et alii (2012)

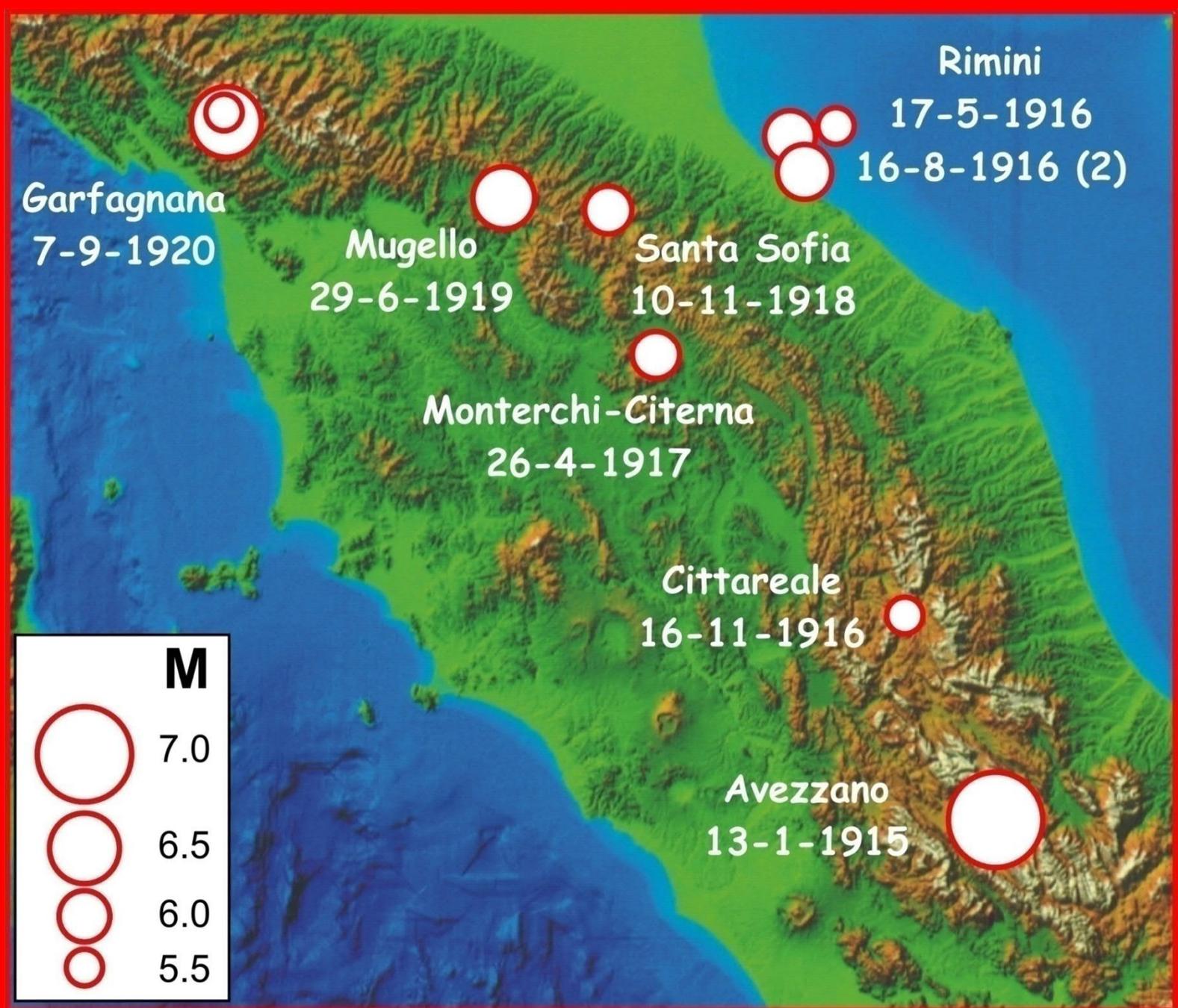


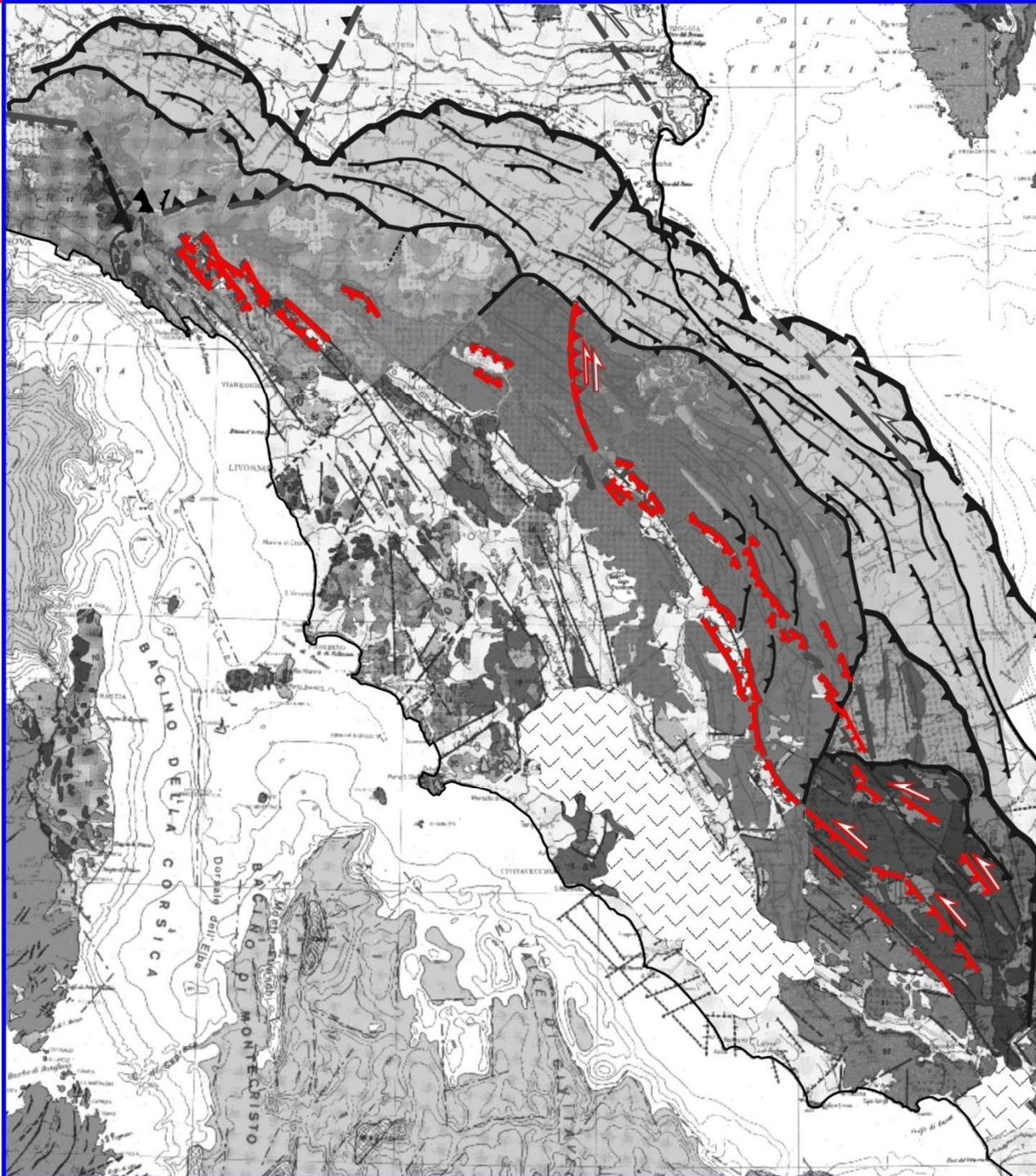
da Viti et alii., 2015, modificata)

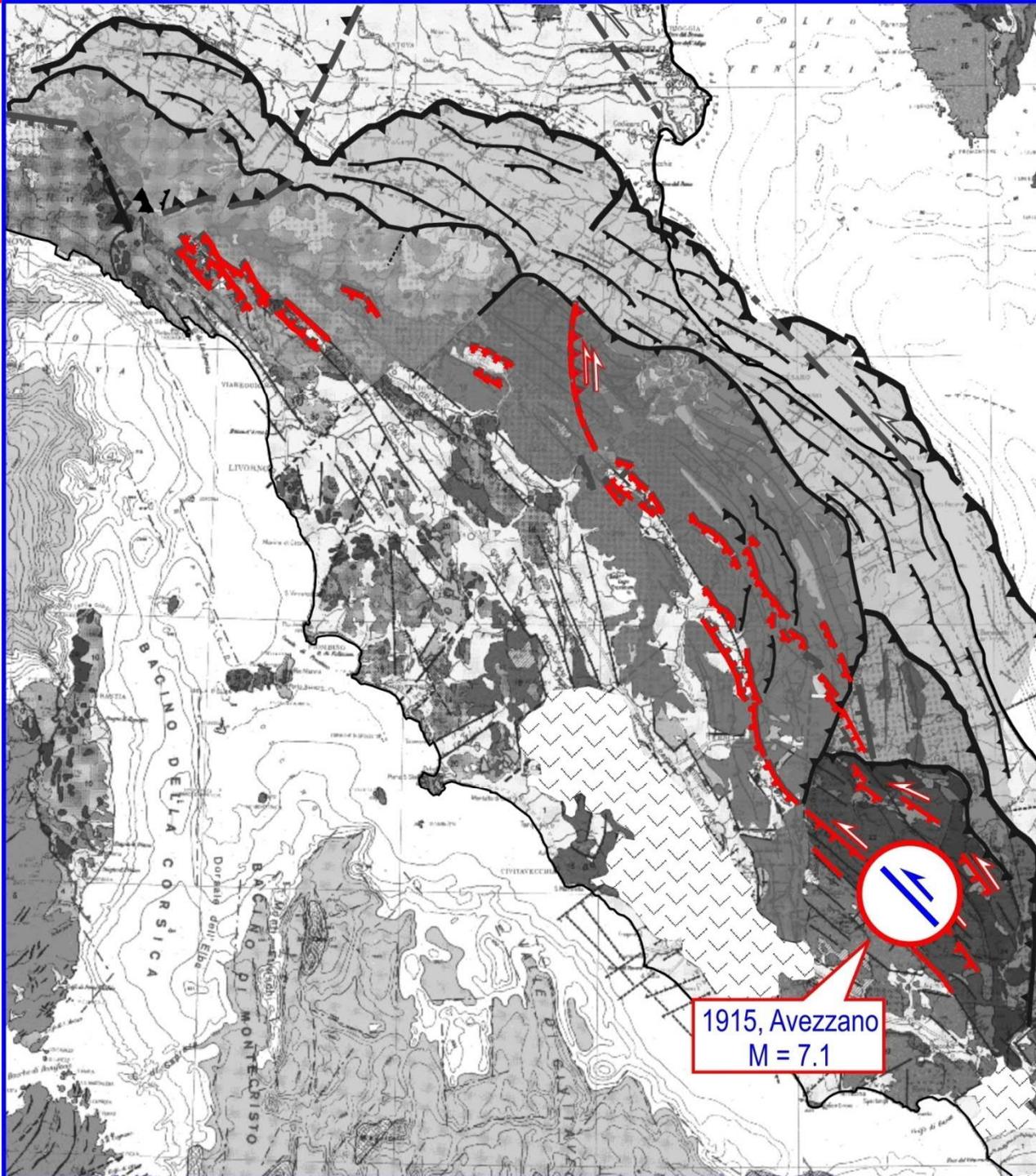


**Terremoti avvenuti  
dall'anno 1000  
con  $M \geq 5.0$   
(Rovida et alii, 2016)**

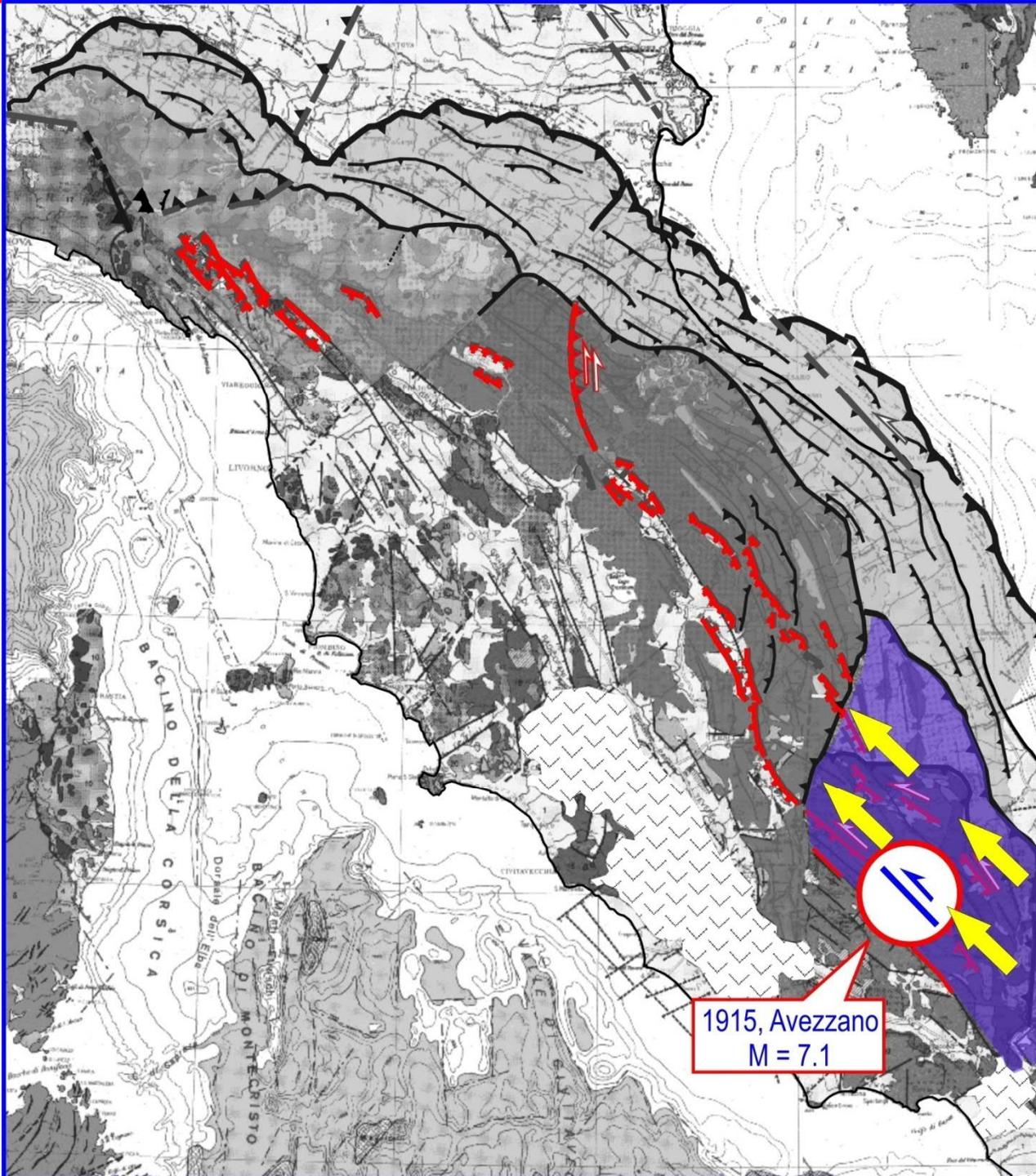
# Terremoti con $M \geq 5.5$ avvenuti nel periodo 1915 - 1920



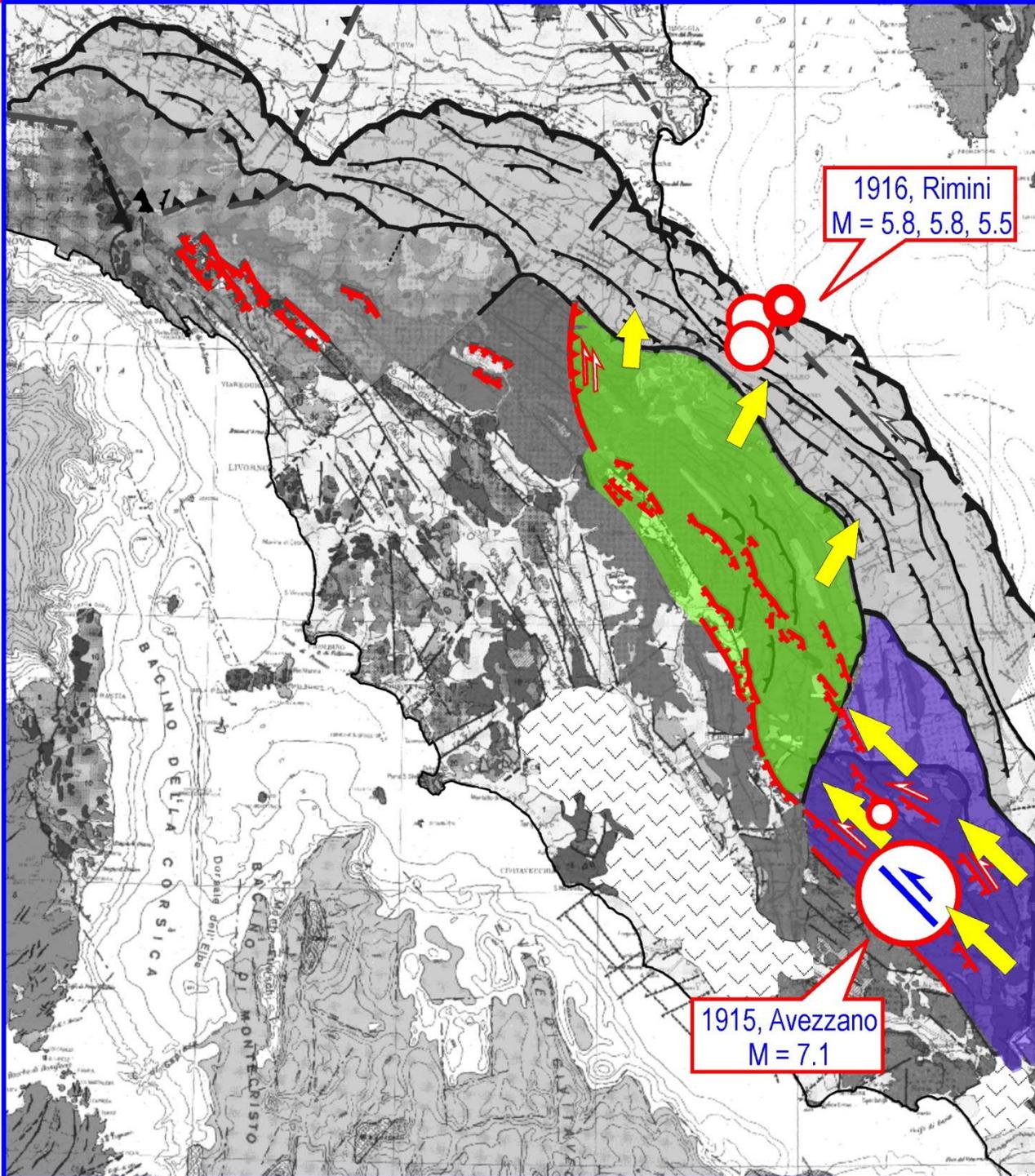


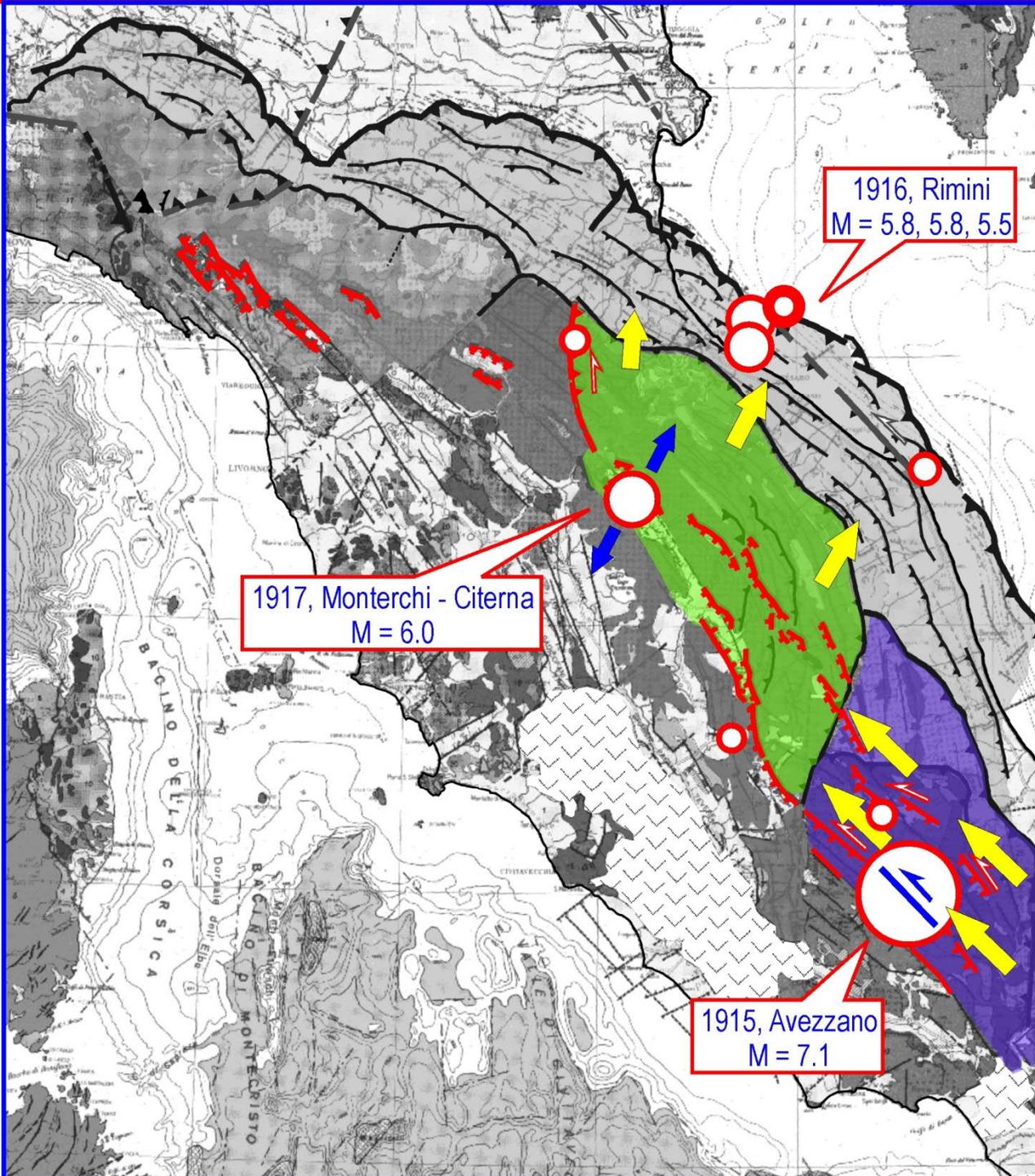


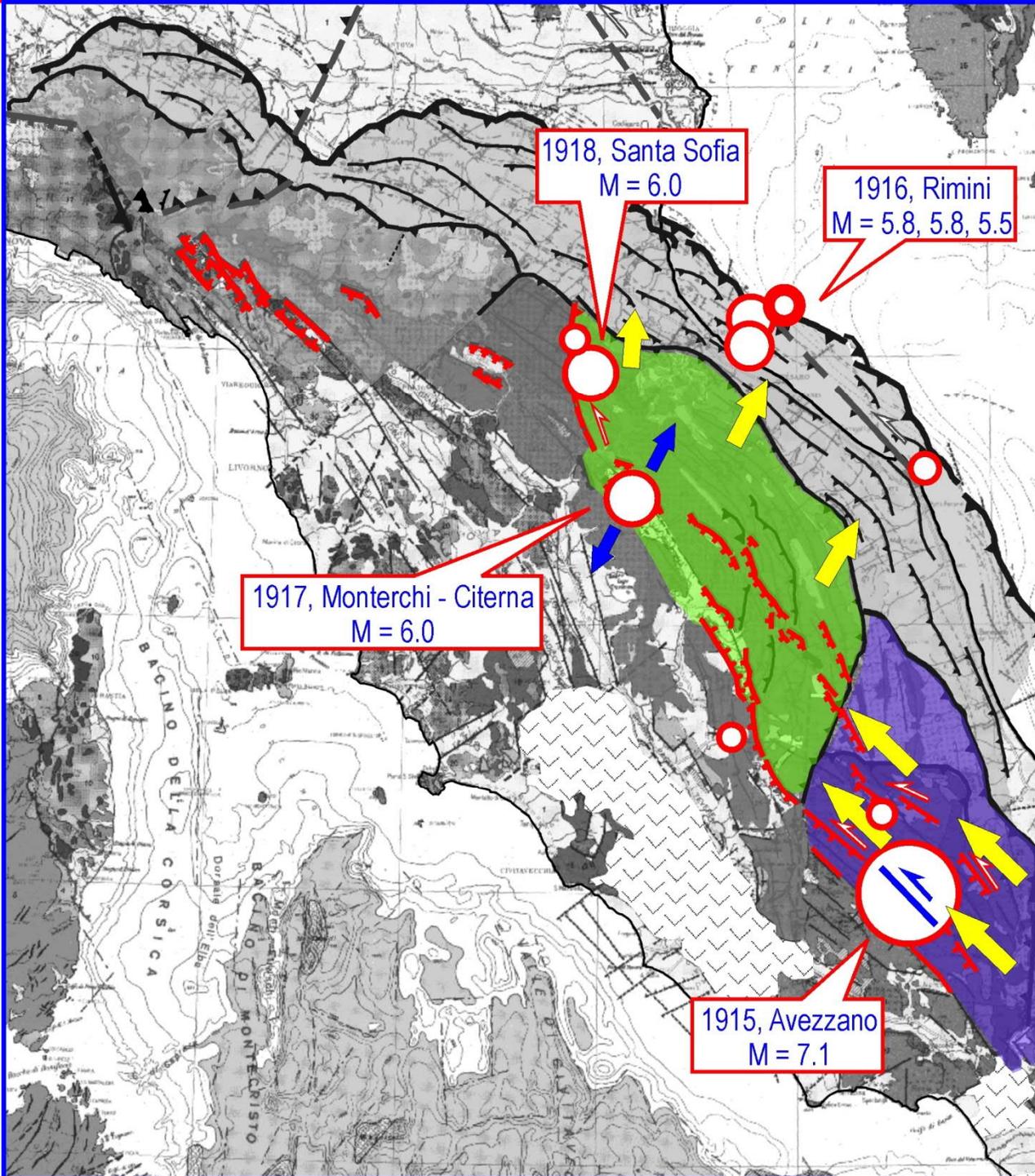
1915, Avezzano  
M = 7.1

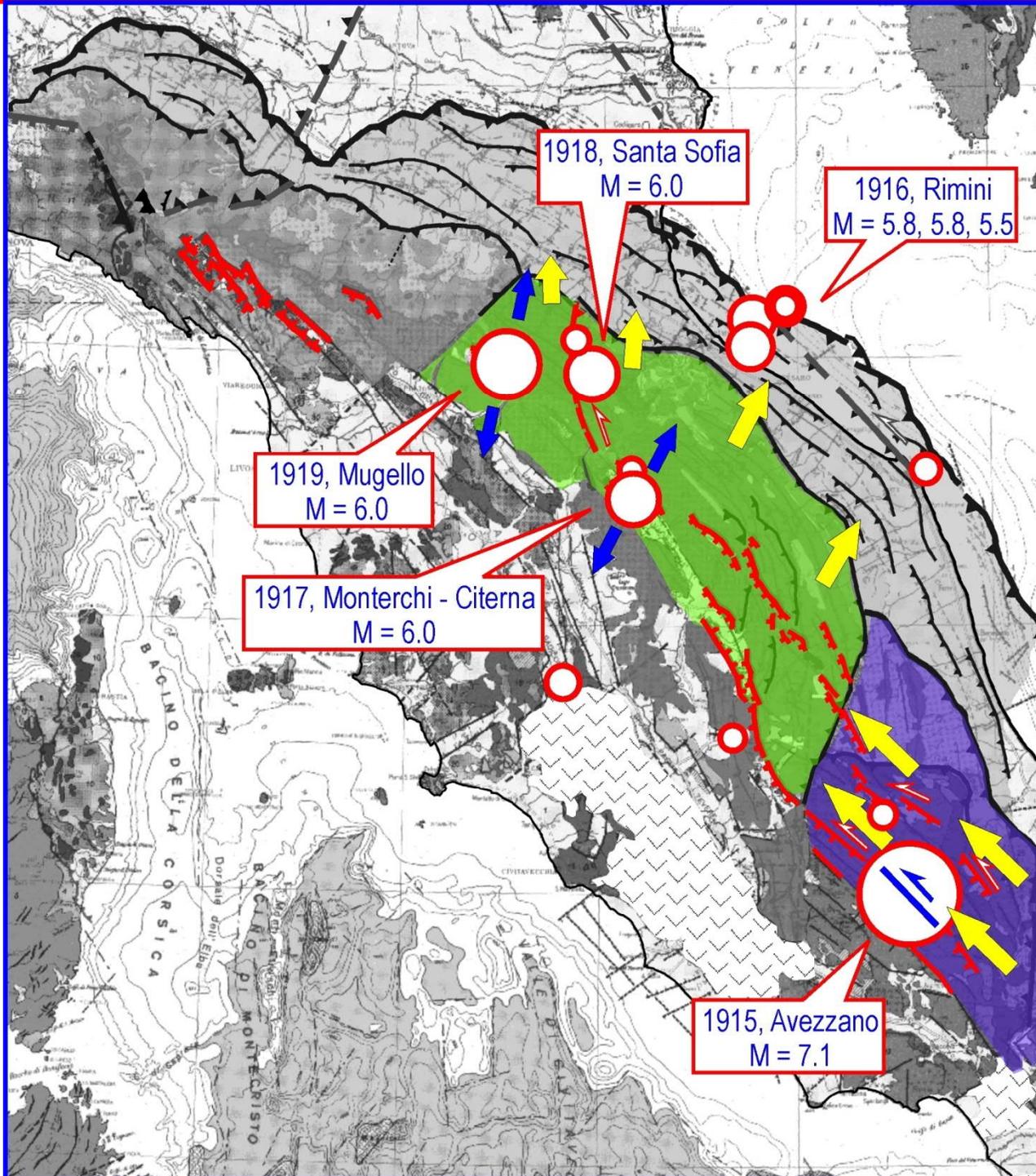


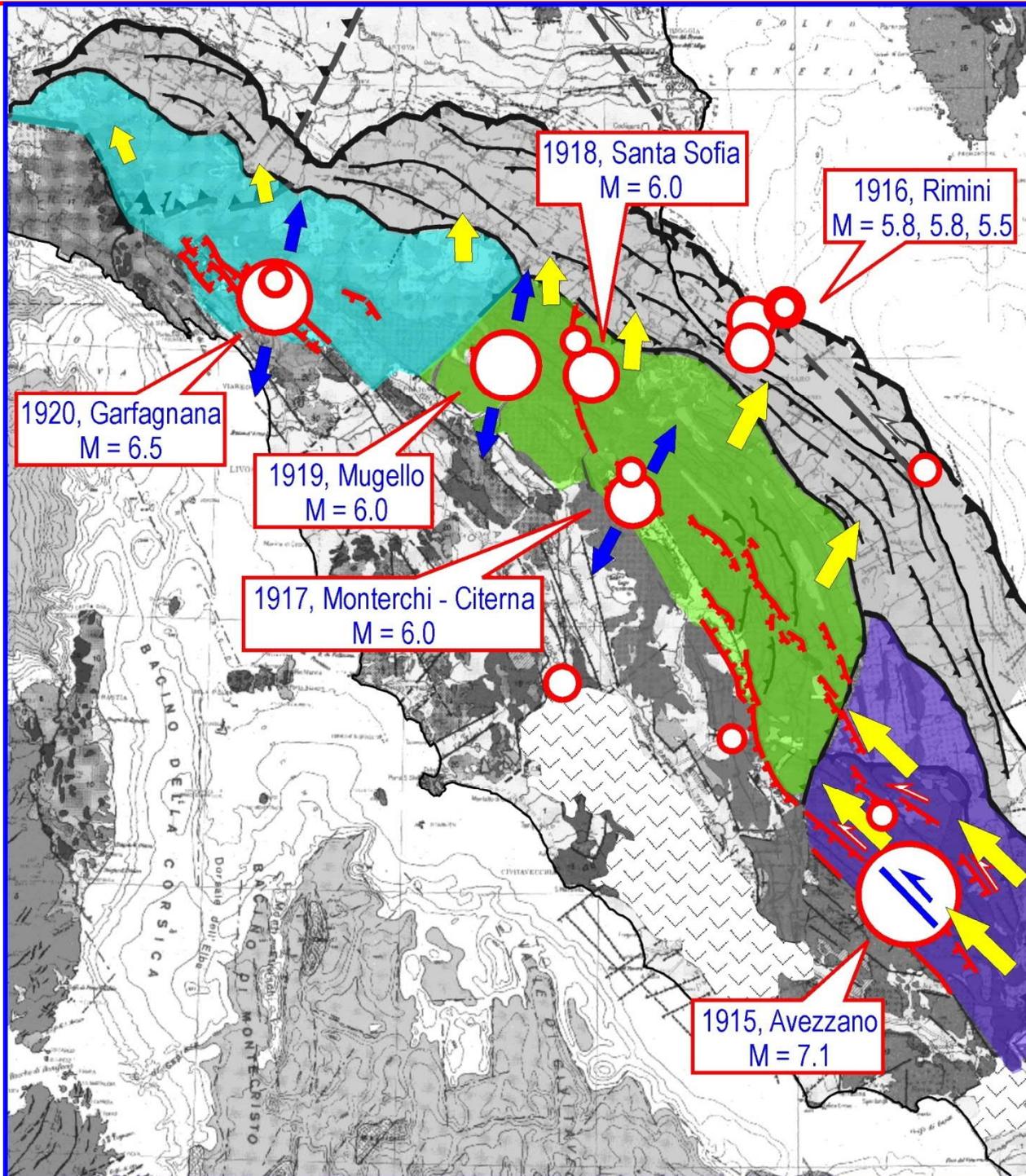
1915, Avezzano  
M = 7.1



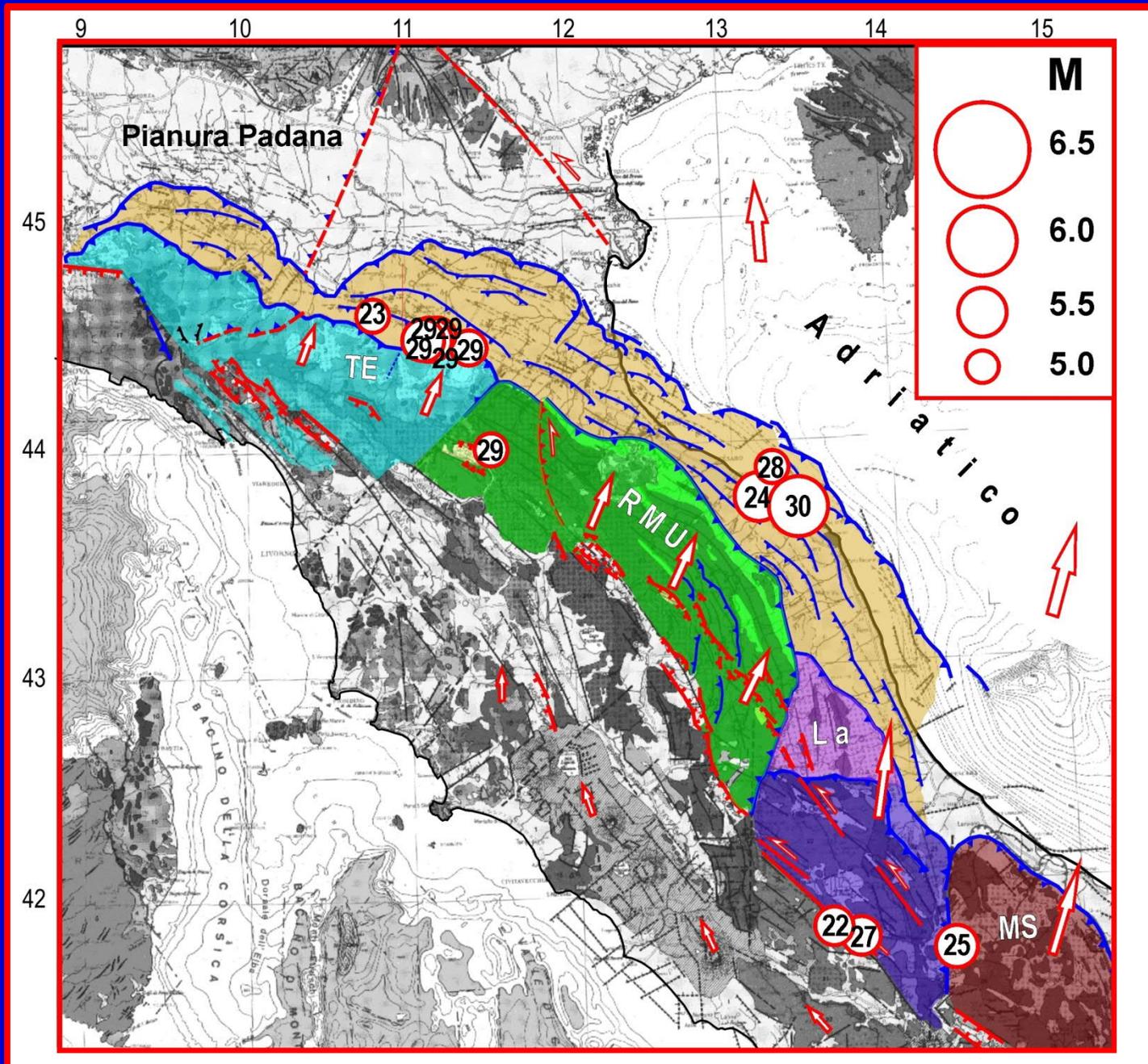




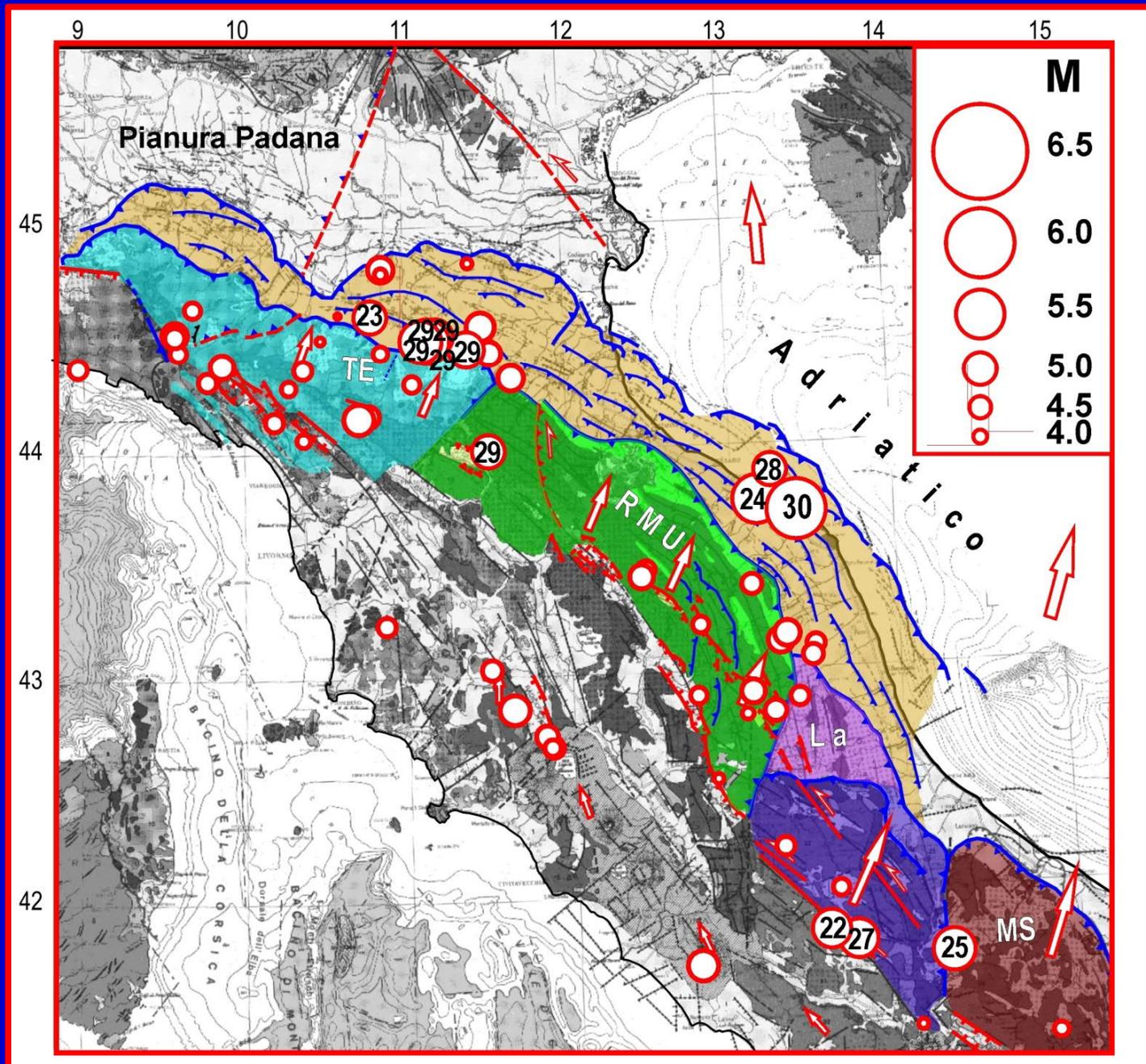




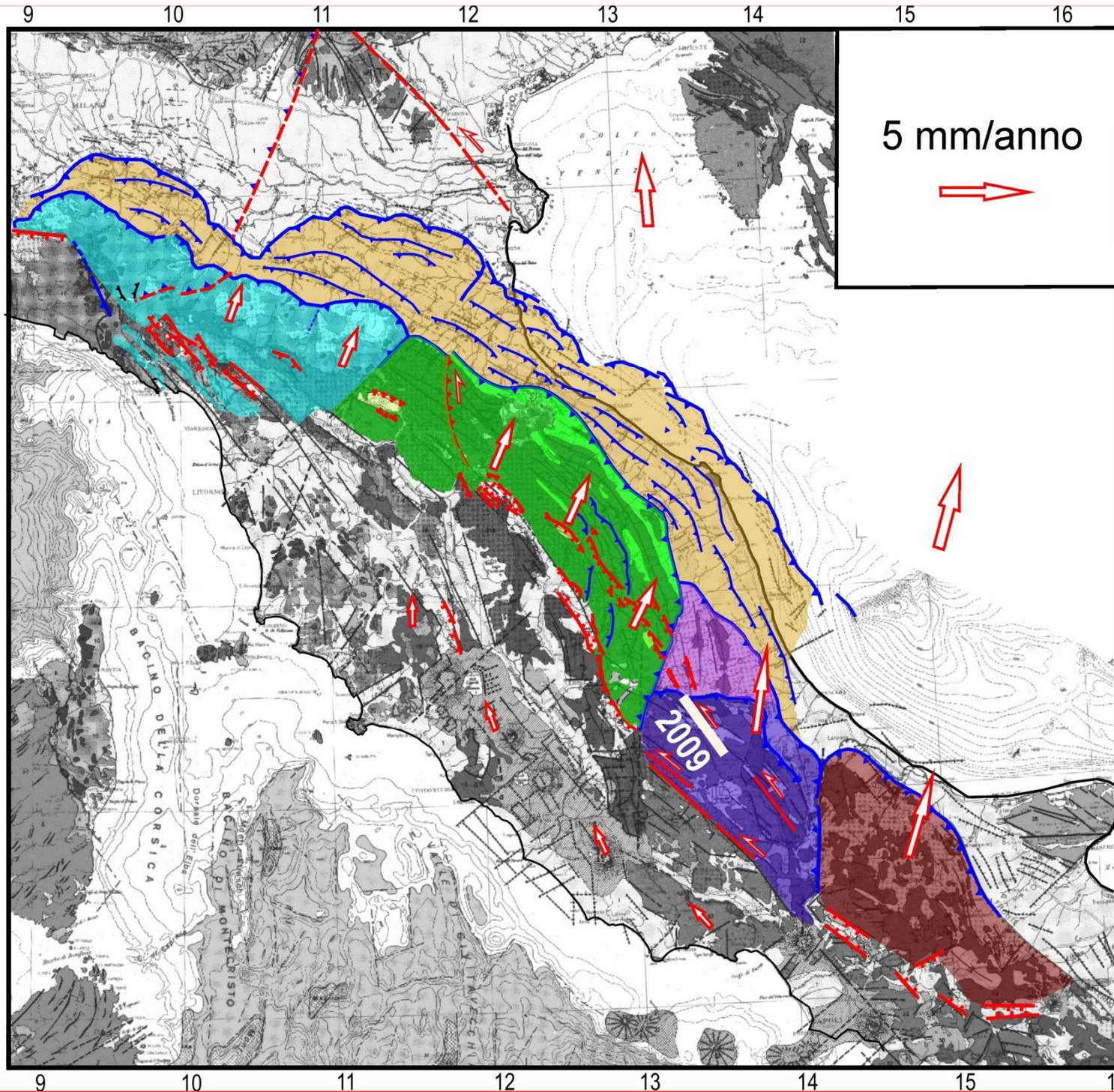
# Terremoti avvenuti tra il 1921 ed il 1930



# Terremoti avvenuti tra il 1921 ed il 1930



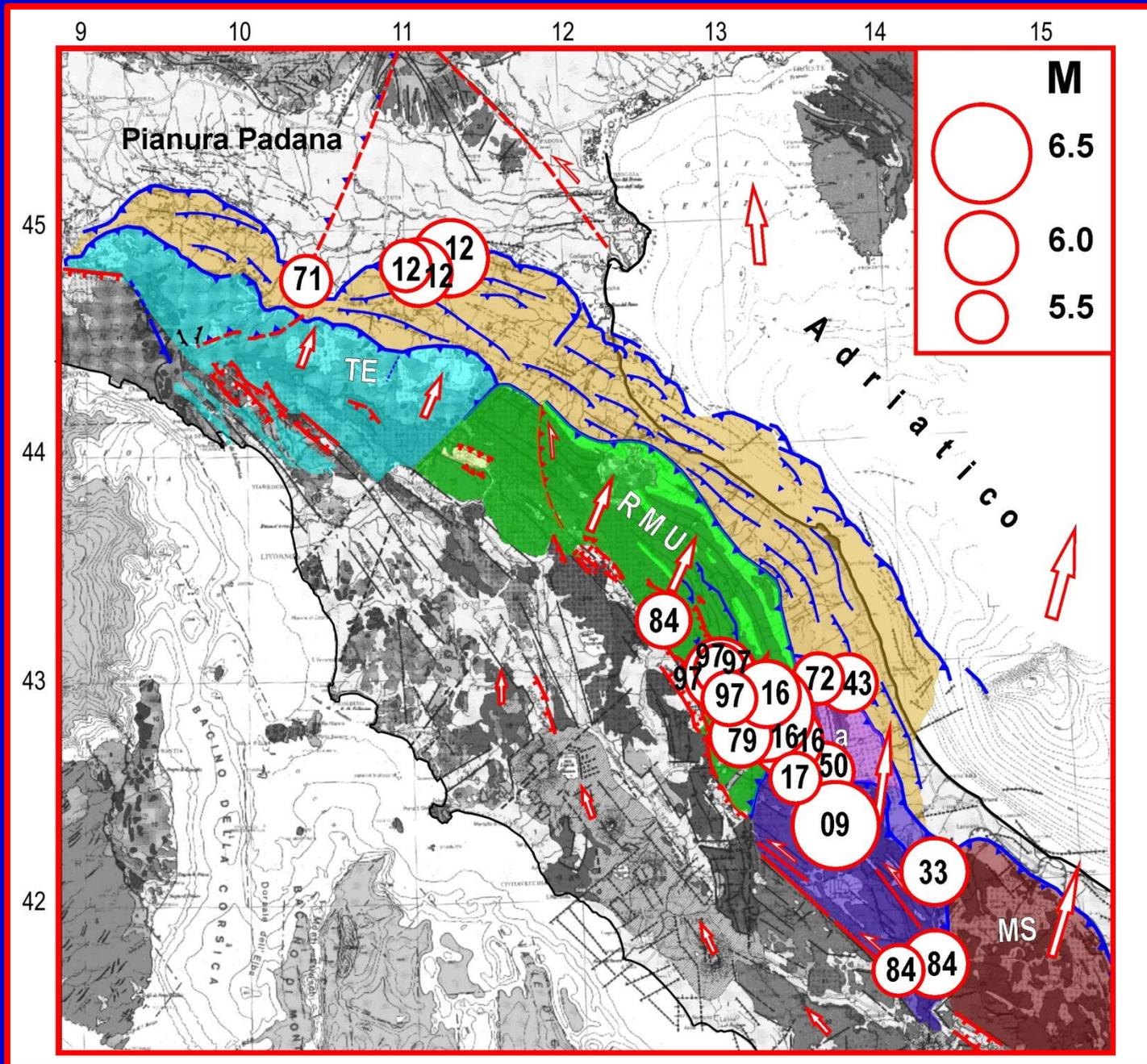
Questa sequenza  
potrebbe essere usata  
come strumento di  
previsione nel caso in cui  
la zona del Fucino sia  
nuovamente colpita da  
una forte scossa

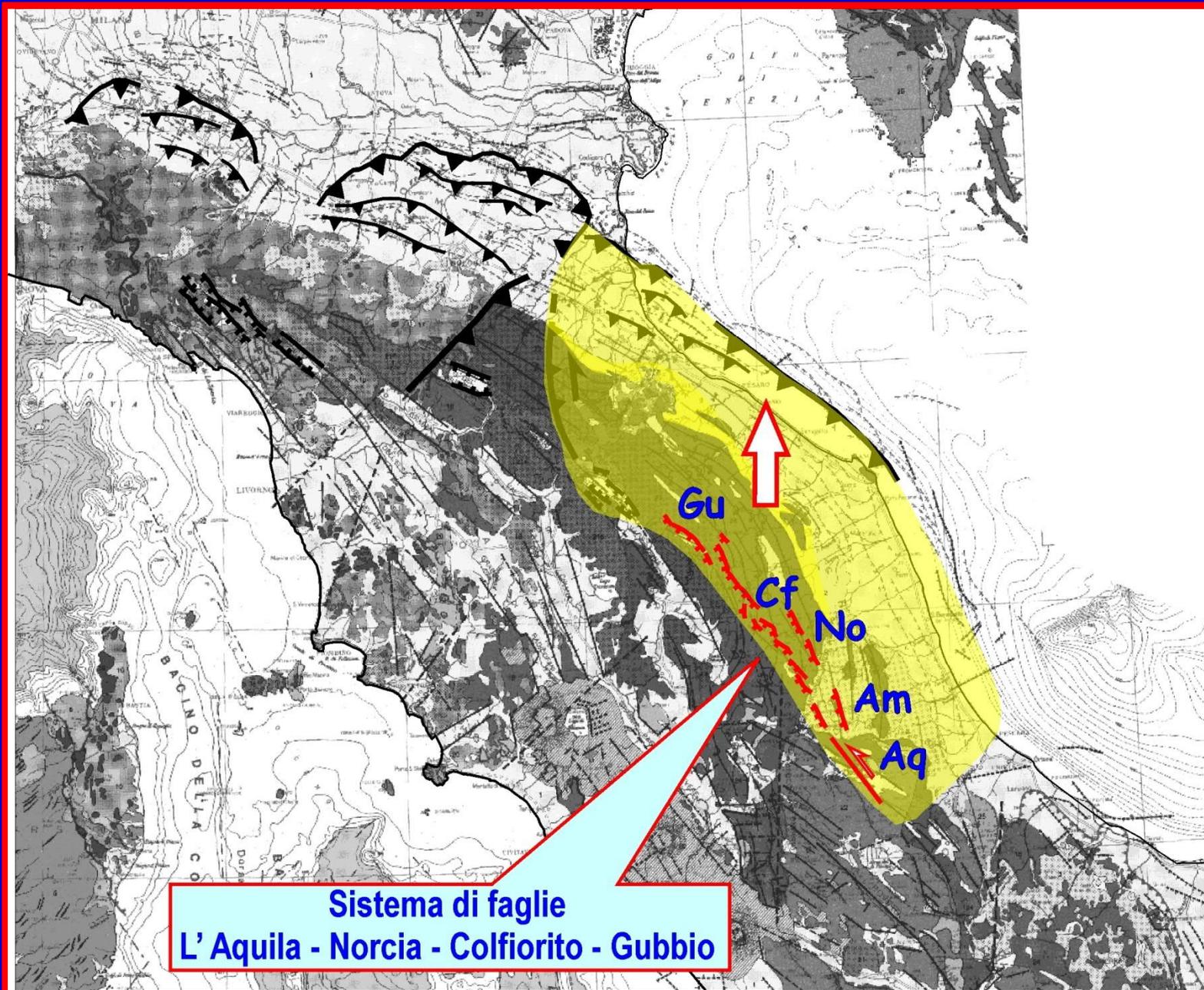


5 mm/anno

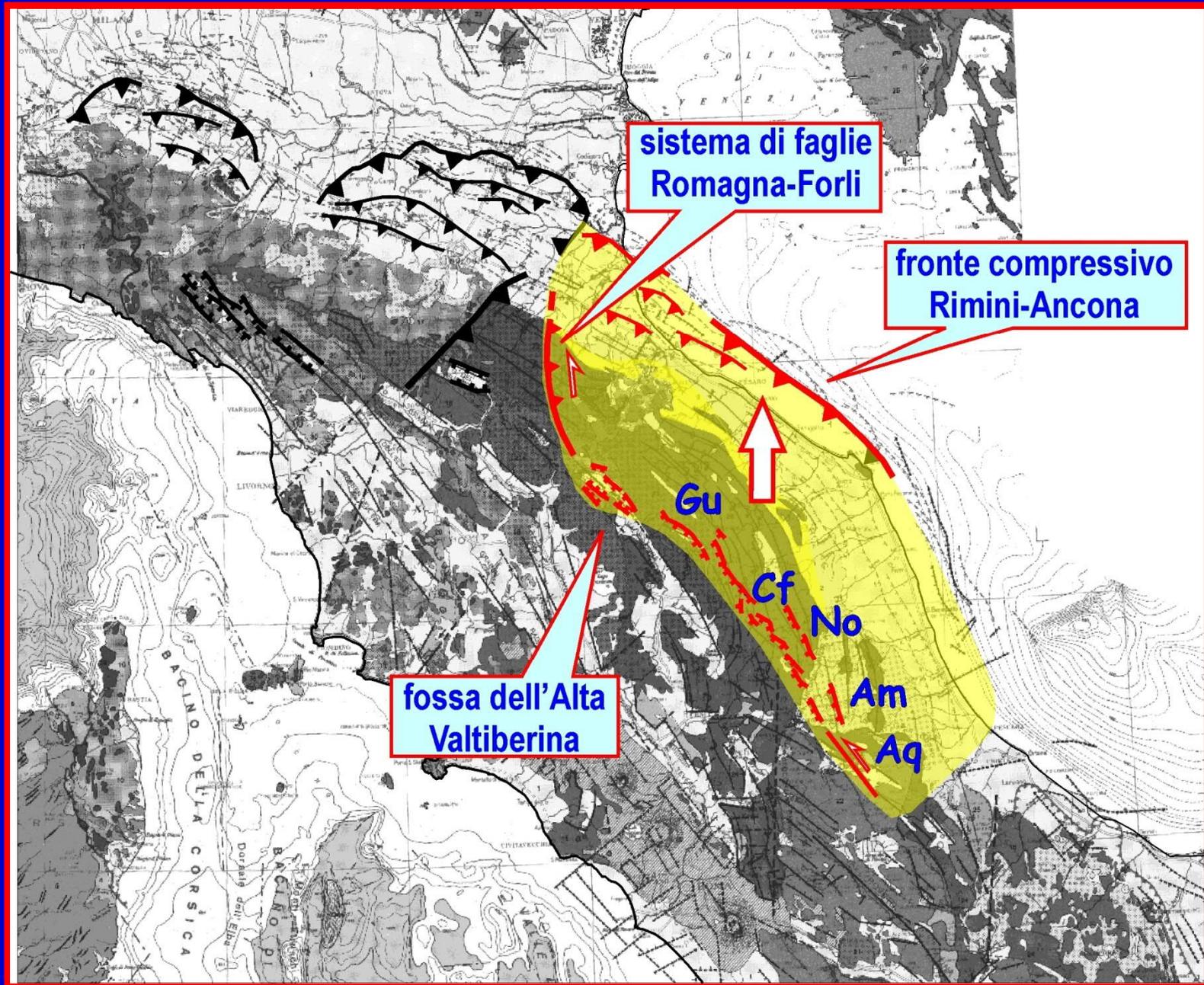


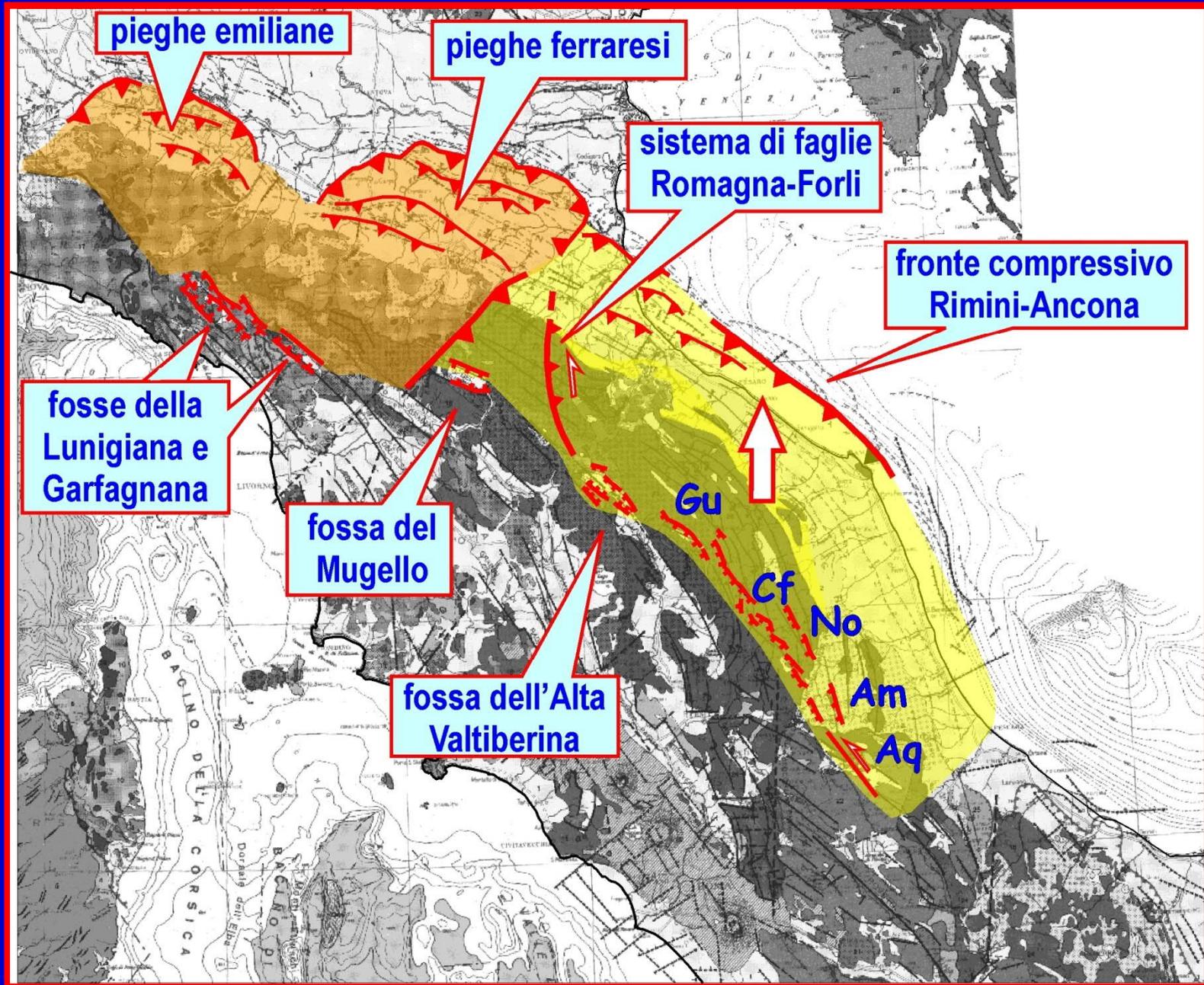
# Terremoti avvenuti dopo il 1930





**Sistema di faglie  
L'Aquila - Norcia - Colfiorito - Gubbio**





# Stima aggiornata della pericolosità sismica in Toscana e aree circostanti

Enzo Mantovani, Marcello Viti, Daniele Babbucci, Caterina Tamburelli, Andrea Vannucchi  
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