



36° Convegno

Trieste, 14-16 novembre 2017

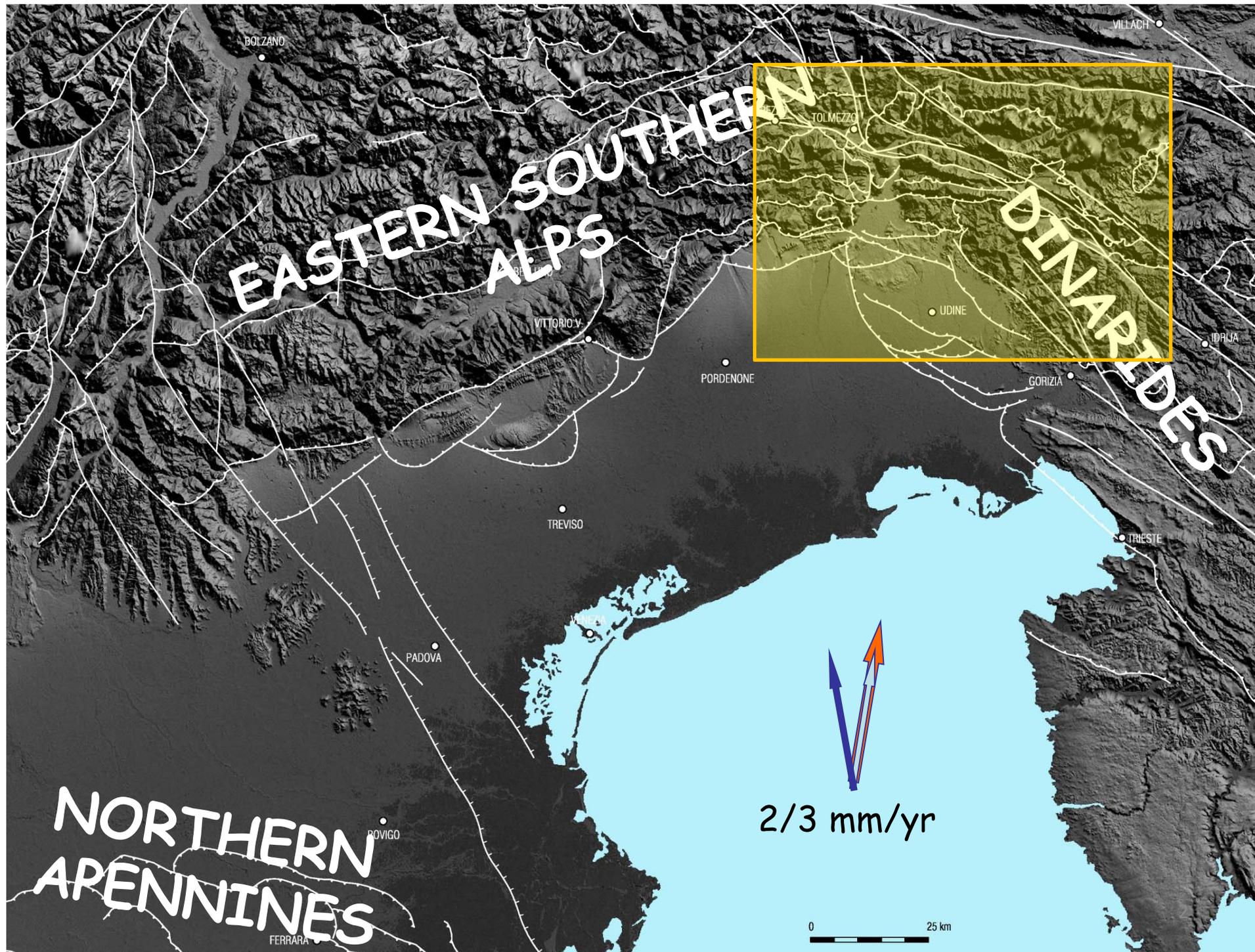
# A NEW SEISMOTECTONIC MODEL FOR THE FRIULI AREA

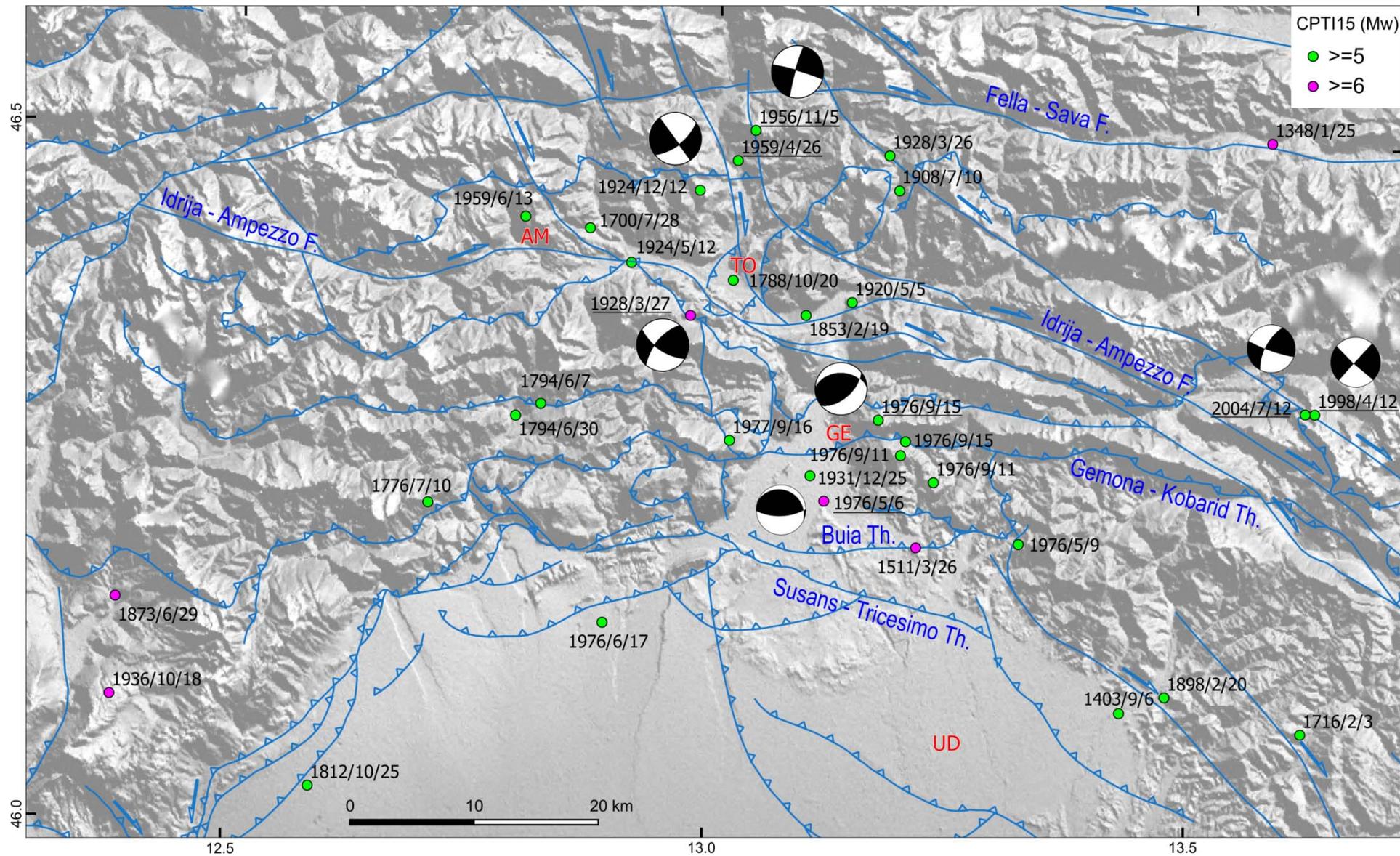
M.E. Poli <sup>(1)</sup> and A. Zanferrari <sup>(1)</sup>

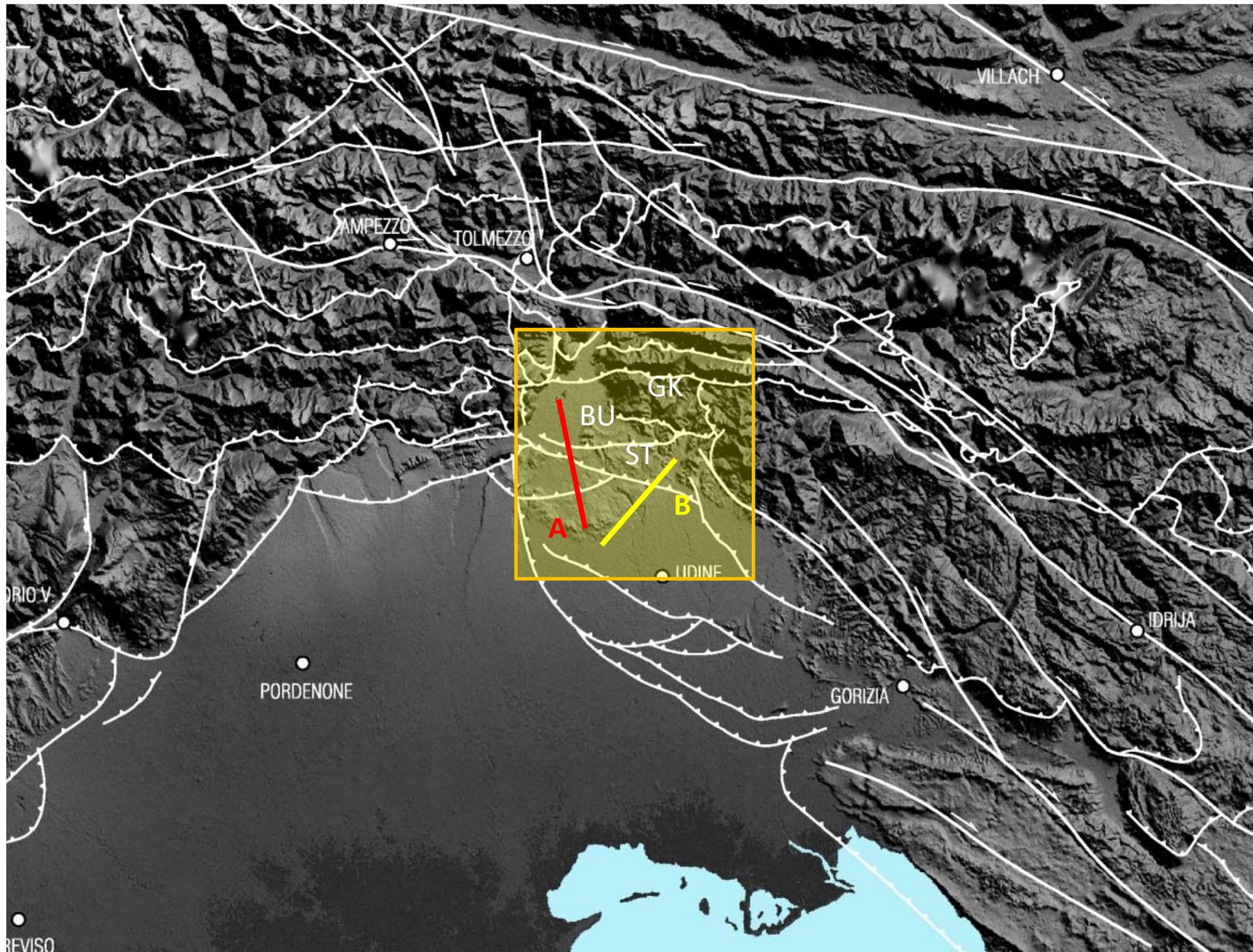
<sup>(1)</sup> University of Udine

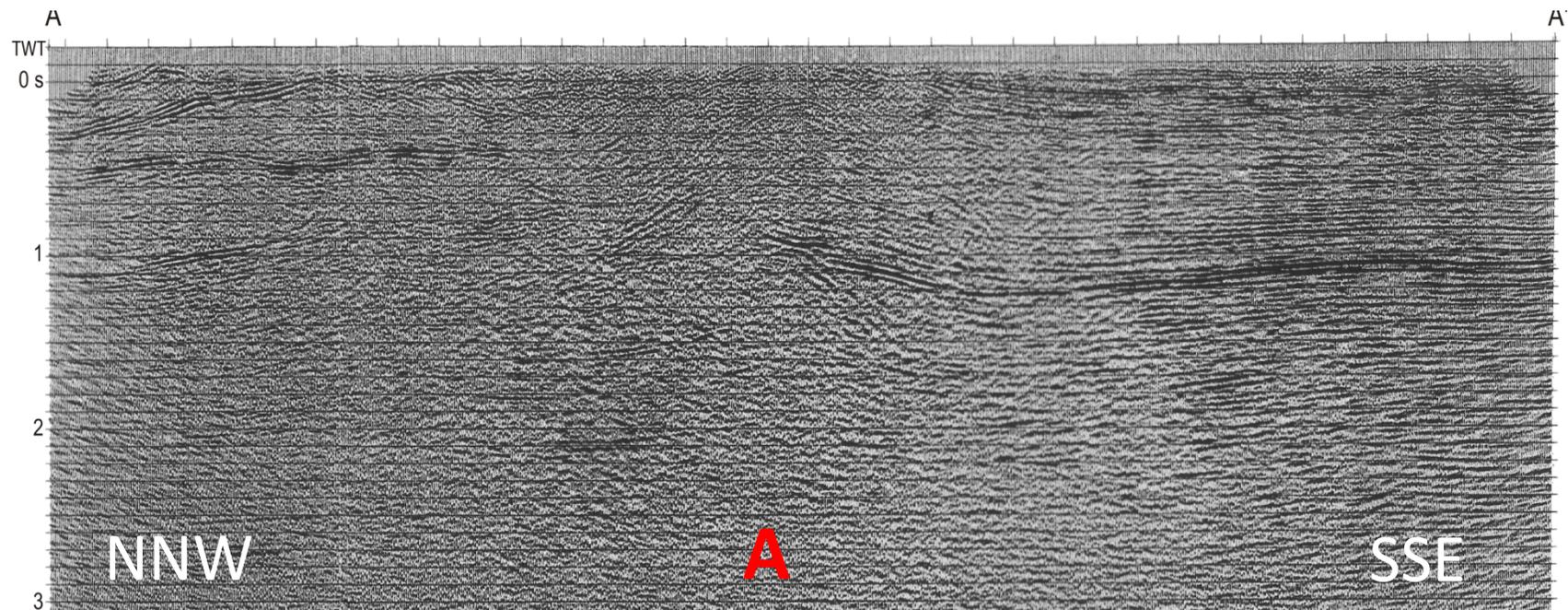
**Sessione 1.2**

**Processi tettonici attivi: confronto fra dati osservazionali e modelli interpretativi**



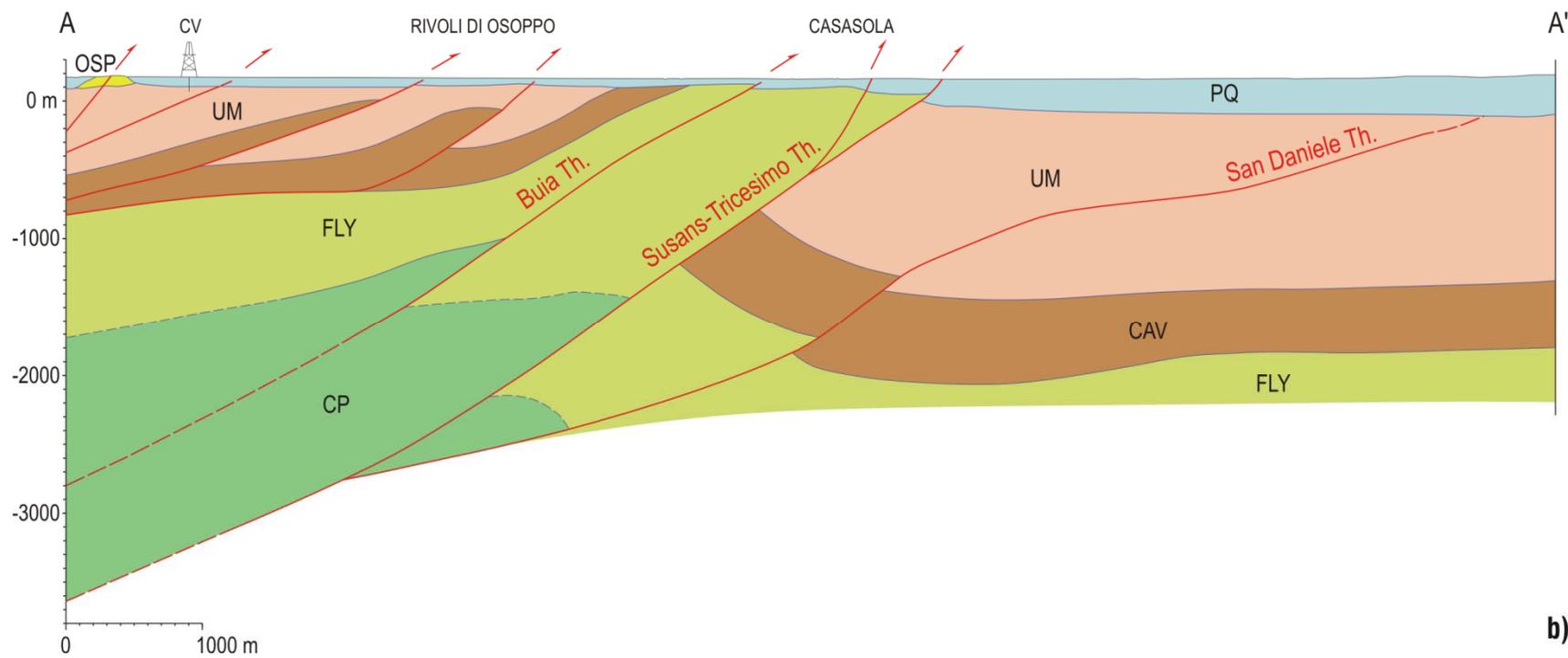




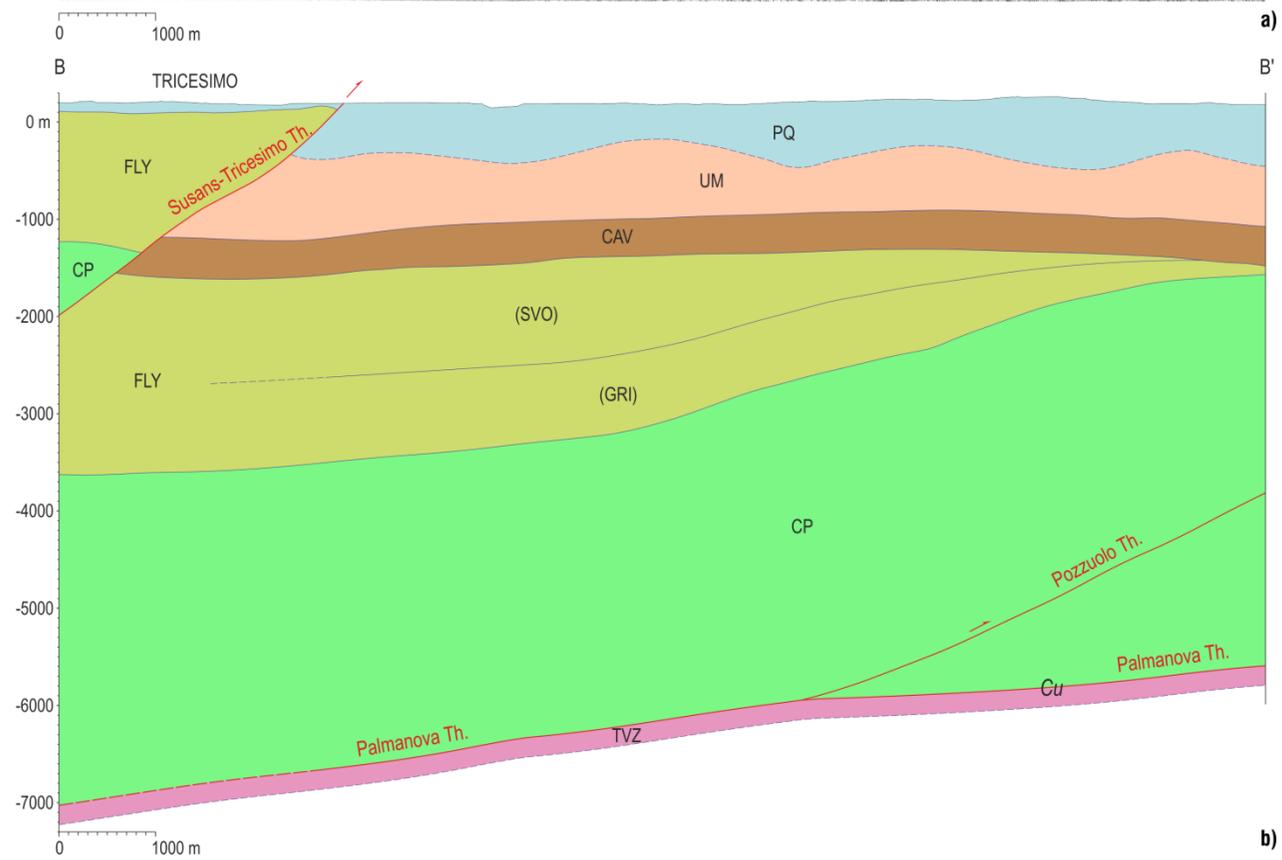
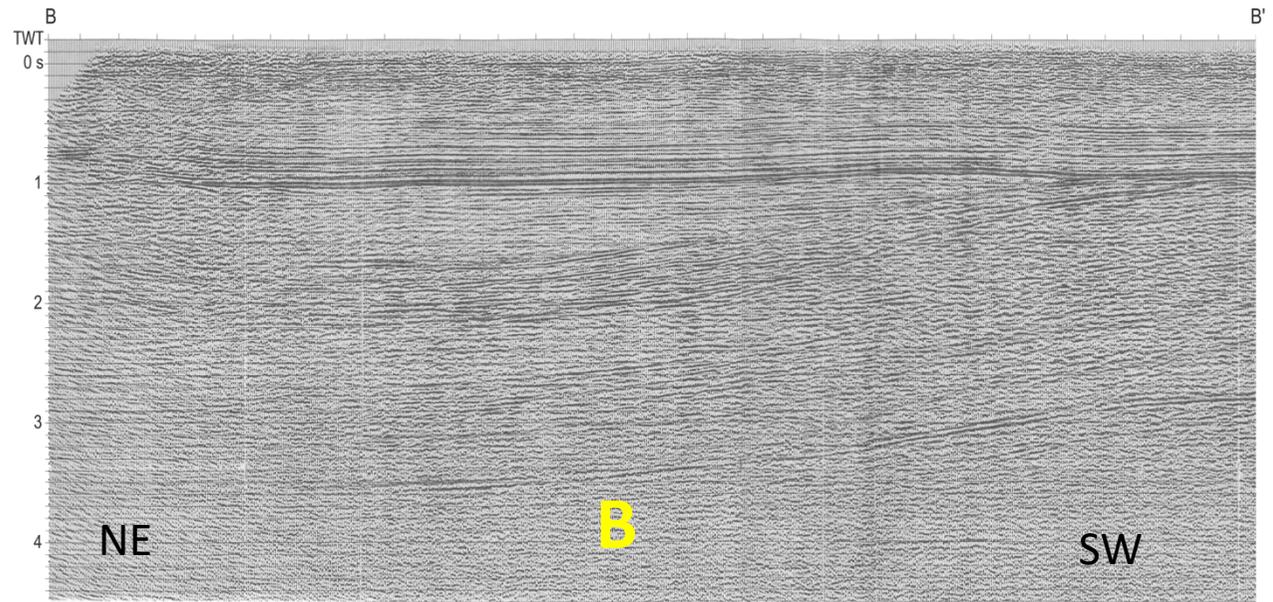


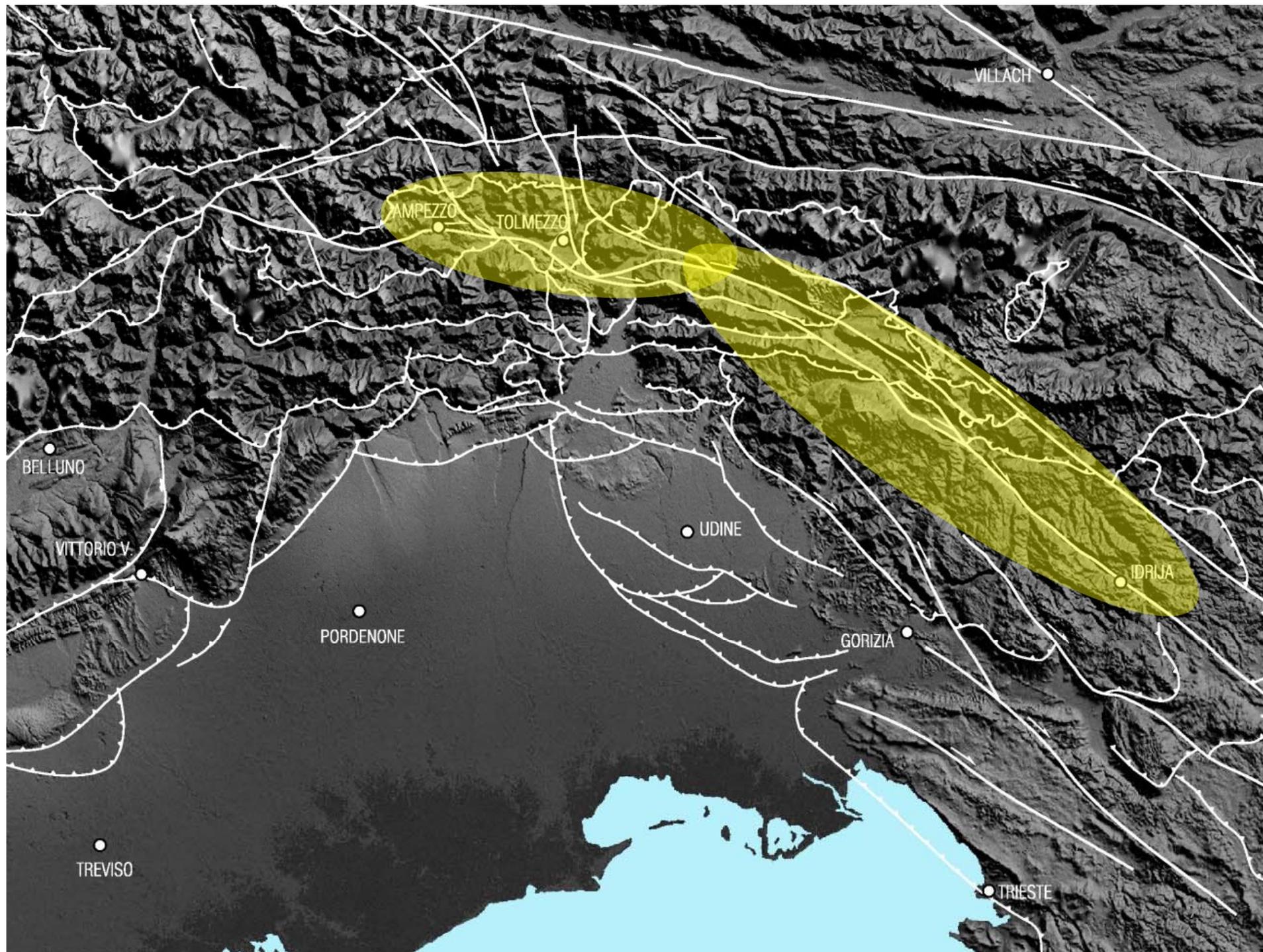
0 1000 m

a)



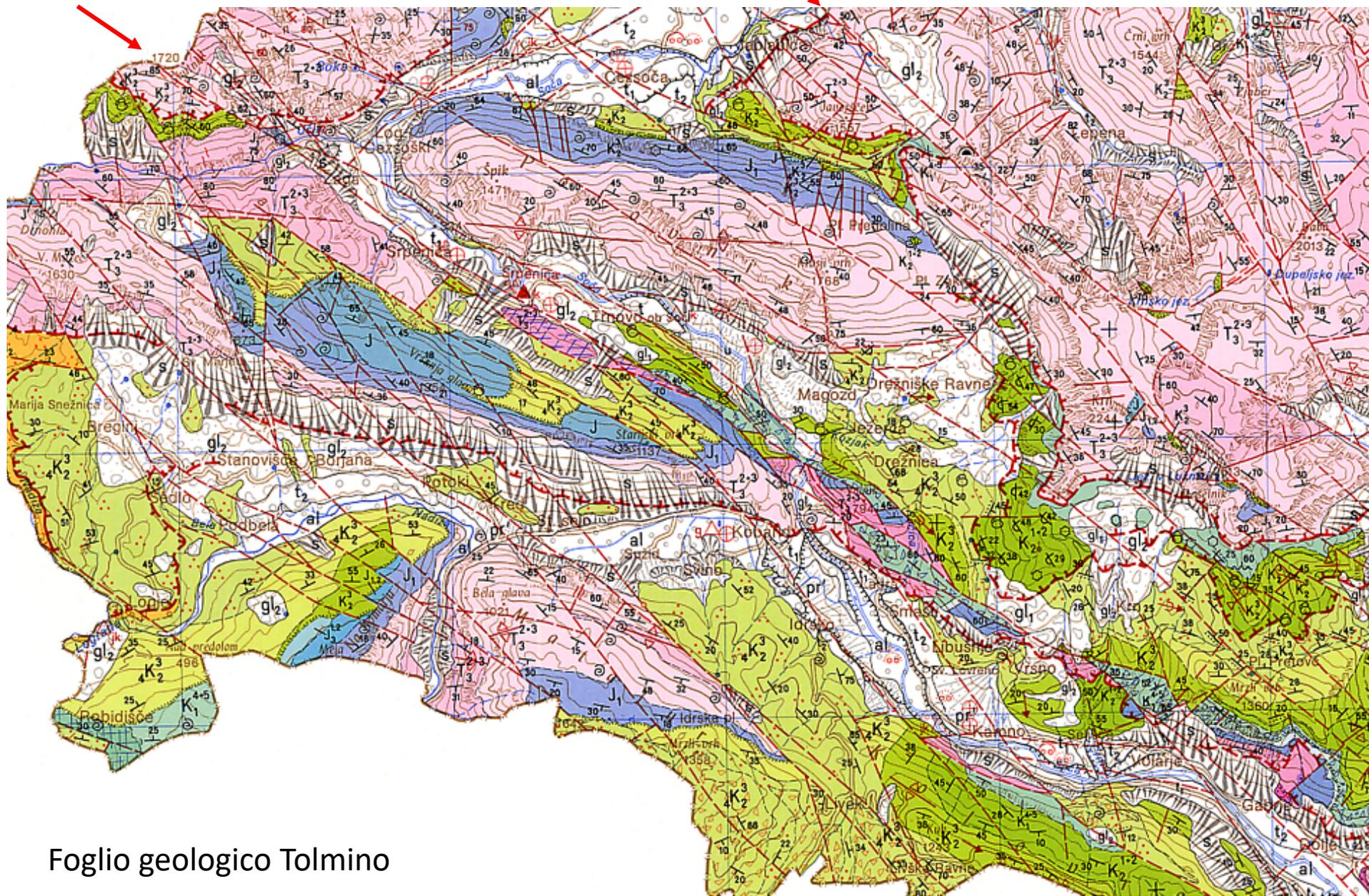
b)





f. Idrija ss

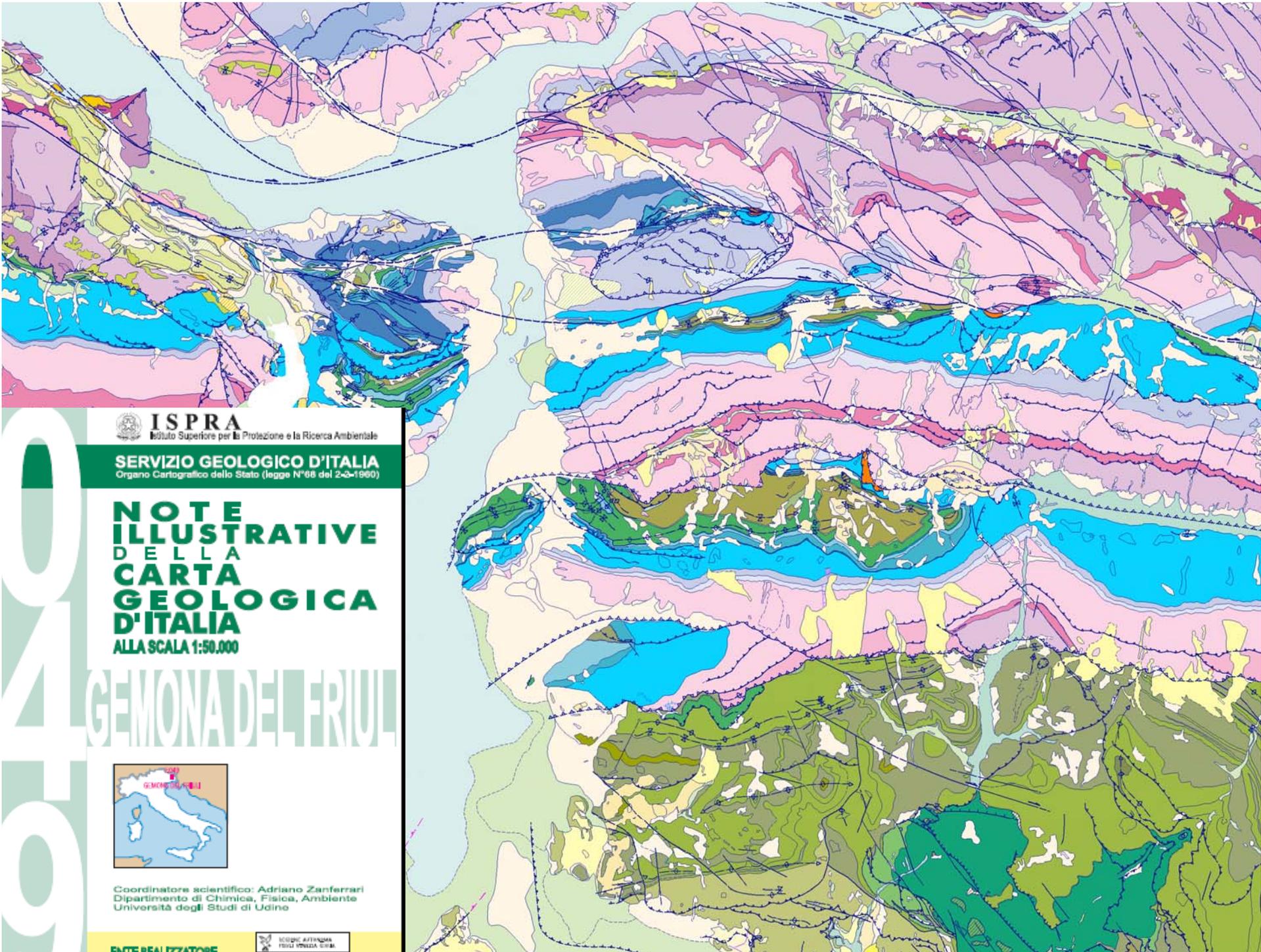
f. Ravne



Foglio geologico Tolmino

Tolmin





**ISPRA**

Istituto Superiore per la Protezione e la Ricerca Ambientale

**SERVIZIO GEOLOGICO D'ITALIA**

Organo Cartografico dello Stato (legge N°66 del 2-3-1960)

**NOTE  
ILLUSTRATIVE  
DELLA  
CARTA  
GEOLOGICA  
D'ITALIA  
ALLA SCALA 1:50.000**

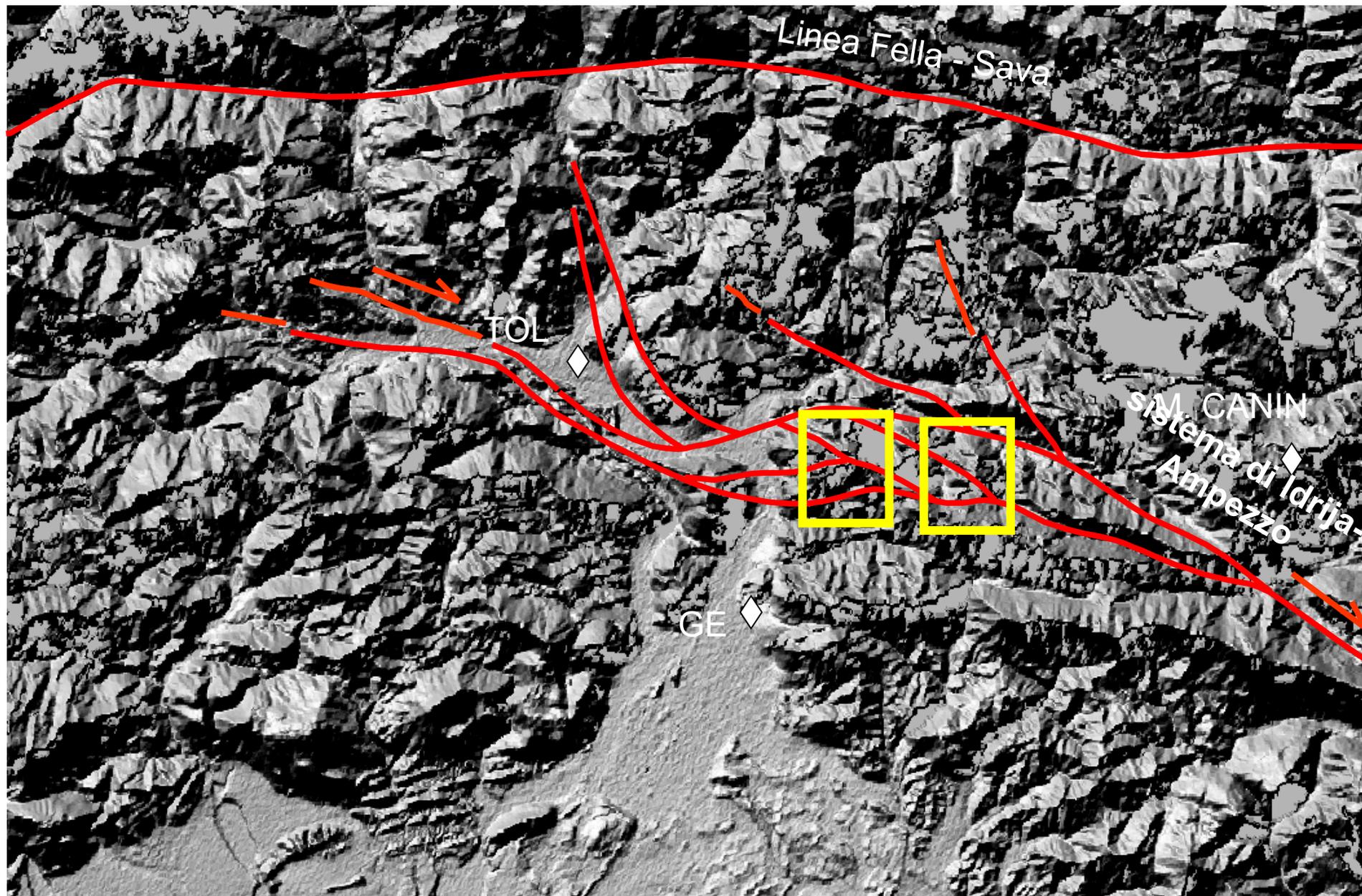


Coordinatore scientifico: Adriano Zanferrari  
Dipartimento di Chimica, Fisica, Ambiente  
Università degli Studi di Udine

**ENTE REALIZZATORE**



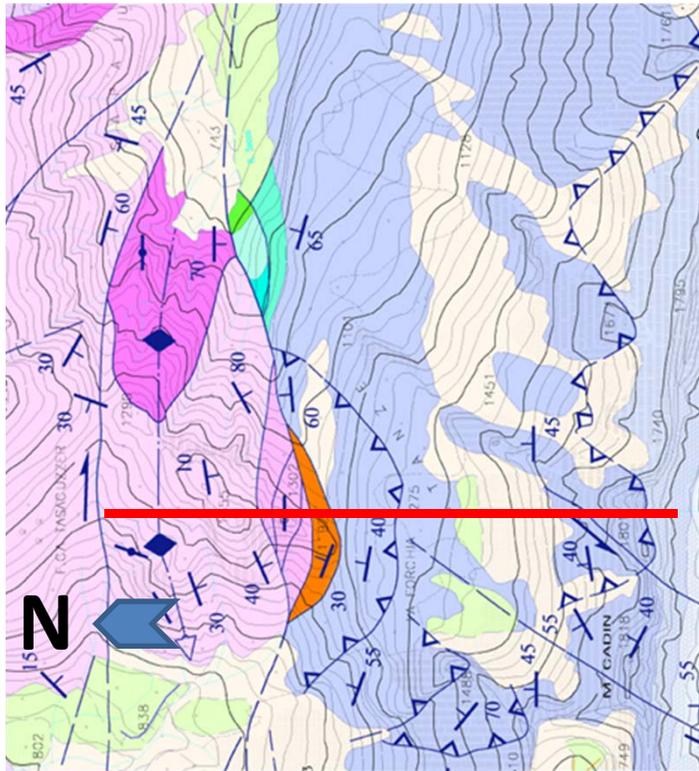
ISTITUTO GEOGRAFICO MILITARE  
FISOLI VENEZIA (OR)



**Attività tettonica del sistema Idrija - Ampezzo (Foglio geologico 049 - Gemona del Friuli - CARG)**

# LE DEFORMAZIONI NEL SUBSTRATO PRE-QUATERNARIO

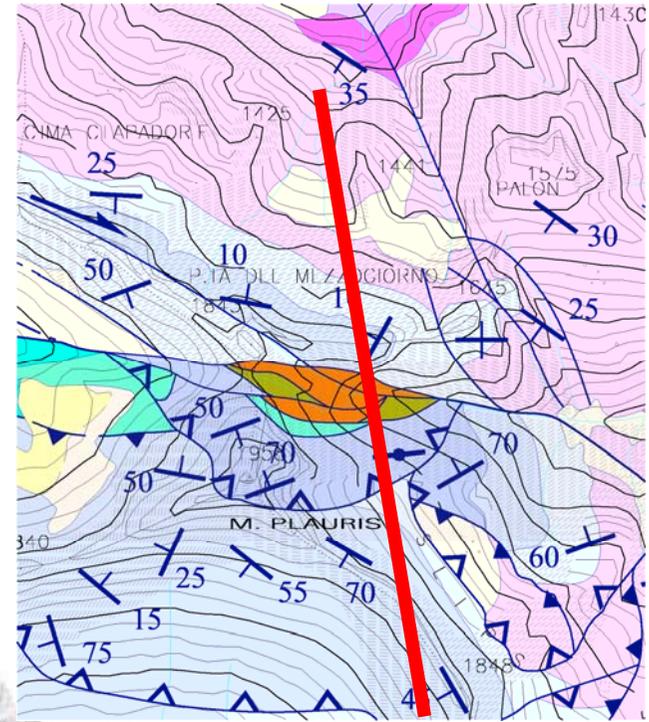
Strike-slip duplex con fiore positivo



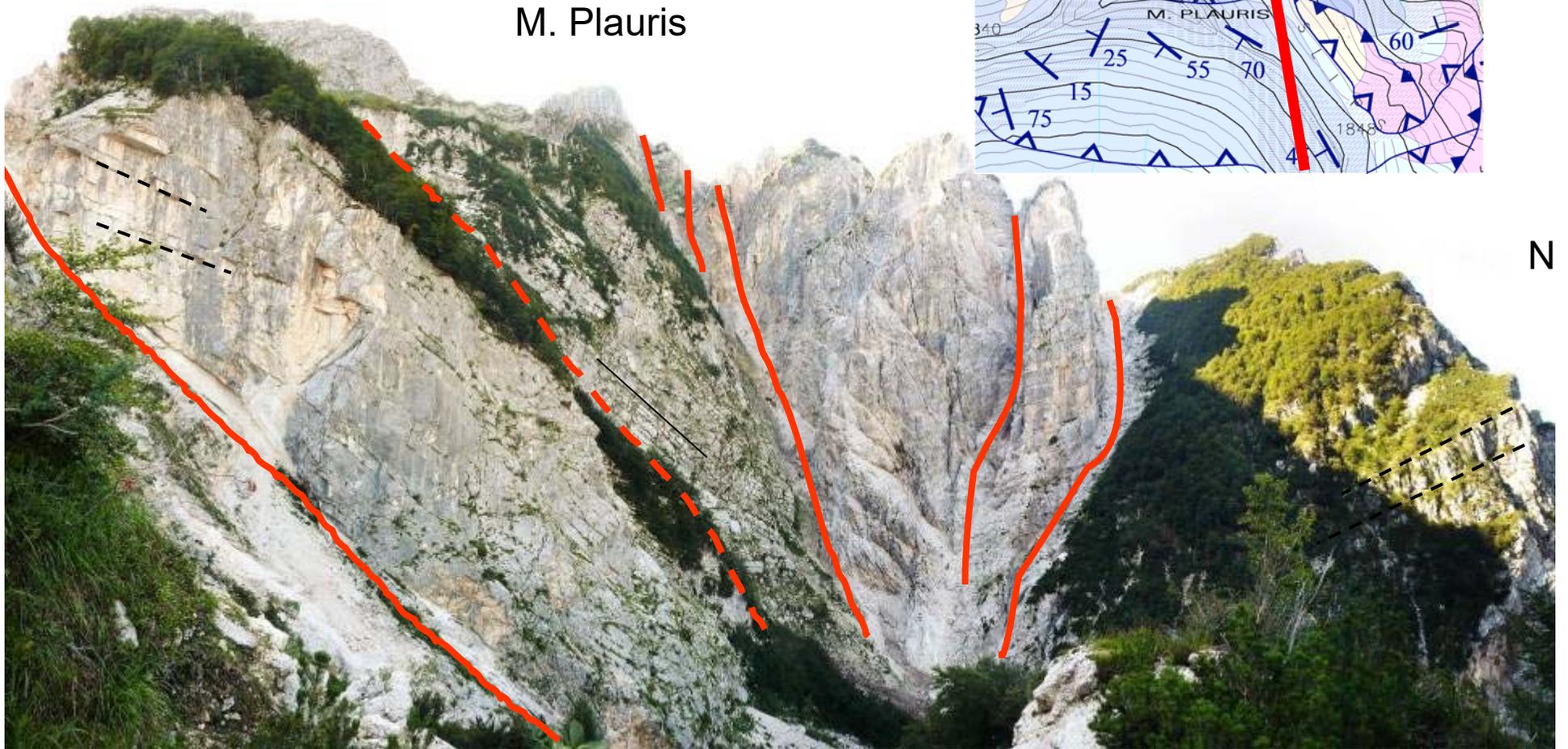
# Strike slip duplex

S

M. Plauris



N

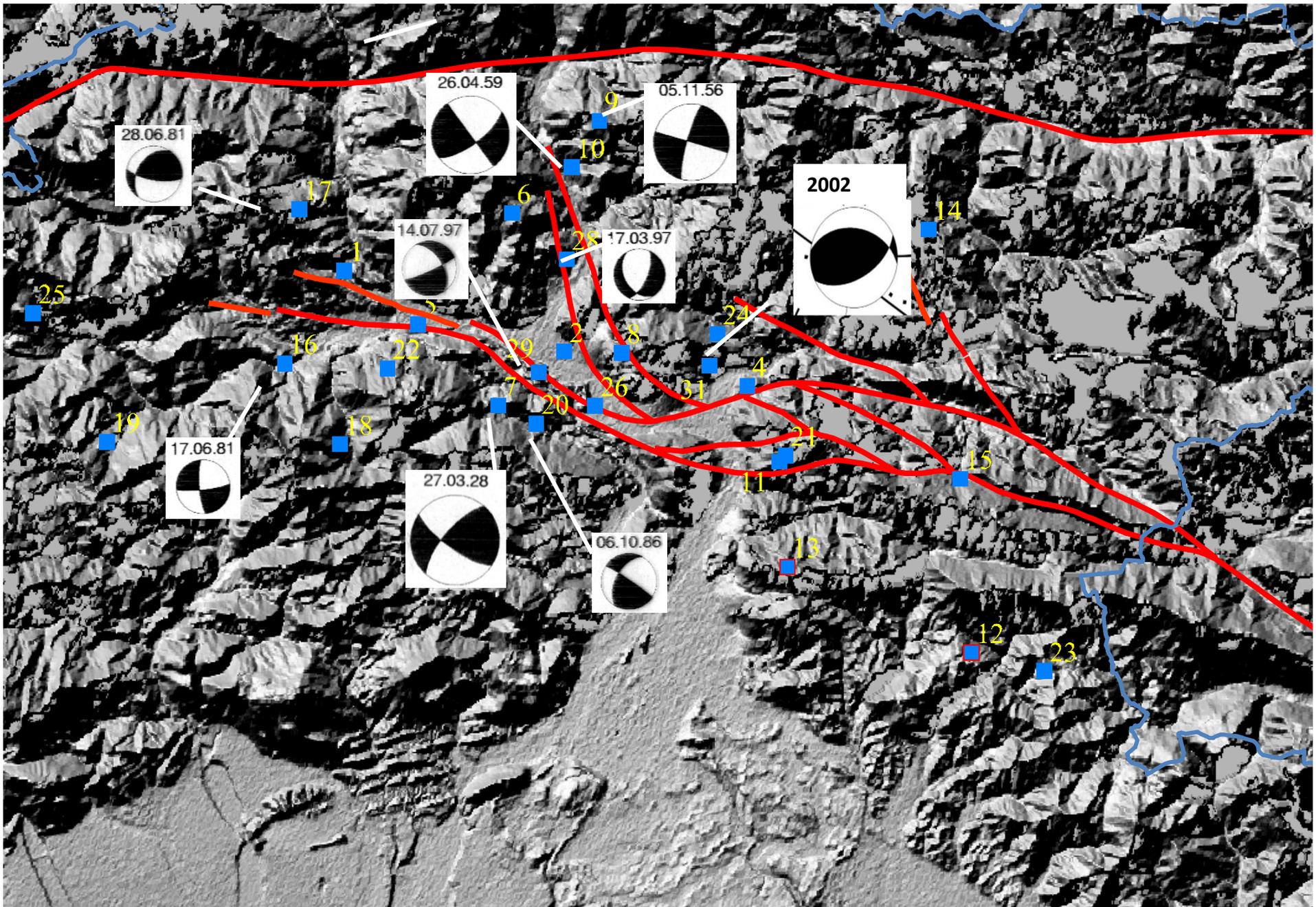




# DEFORMAZIONI NEI TERRENI QUATERNARI

la deformazione del *sintema di Ampezzo* (AZO)  
(brecce di versante con intercalazioni fluviali e lacustri), Pleistocene medio



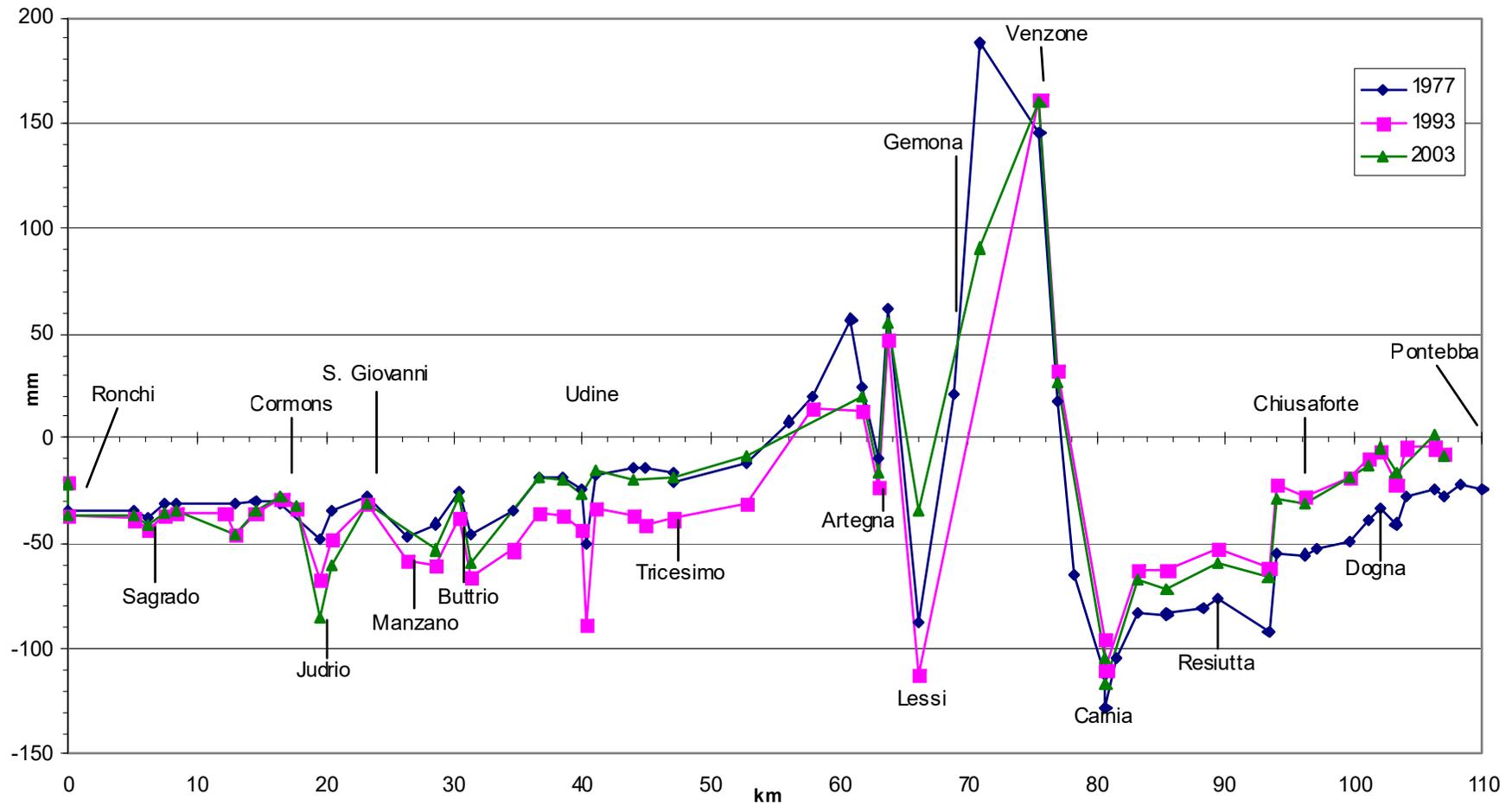


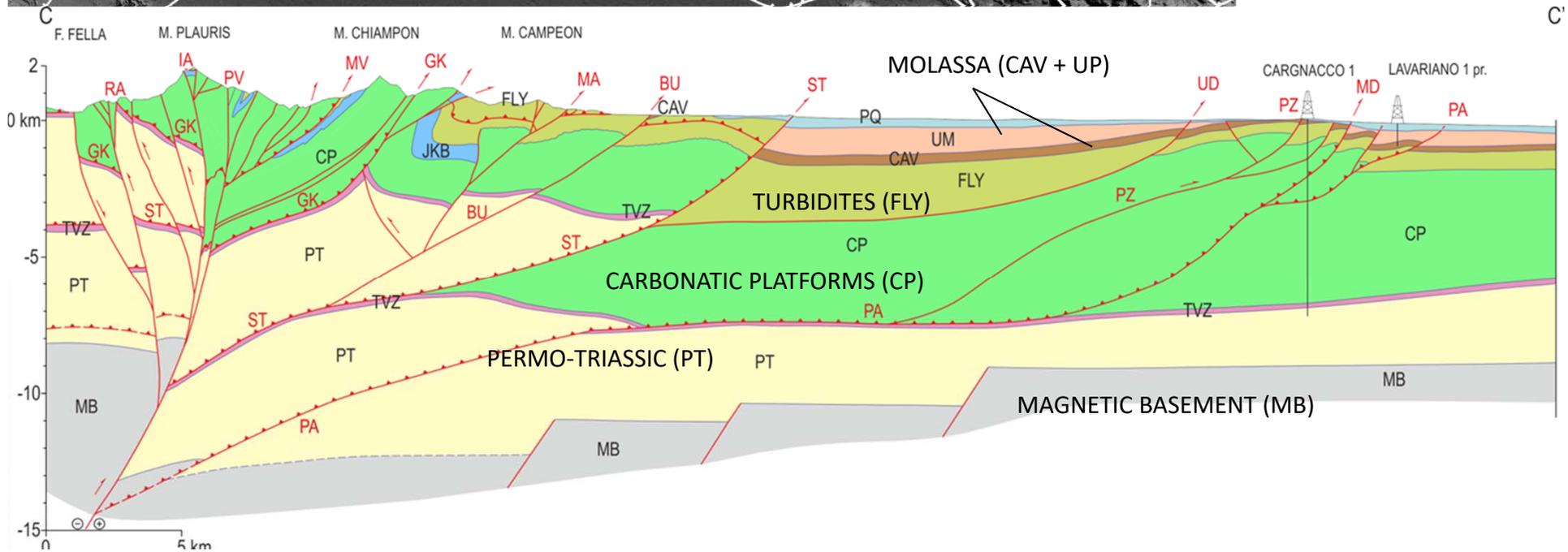
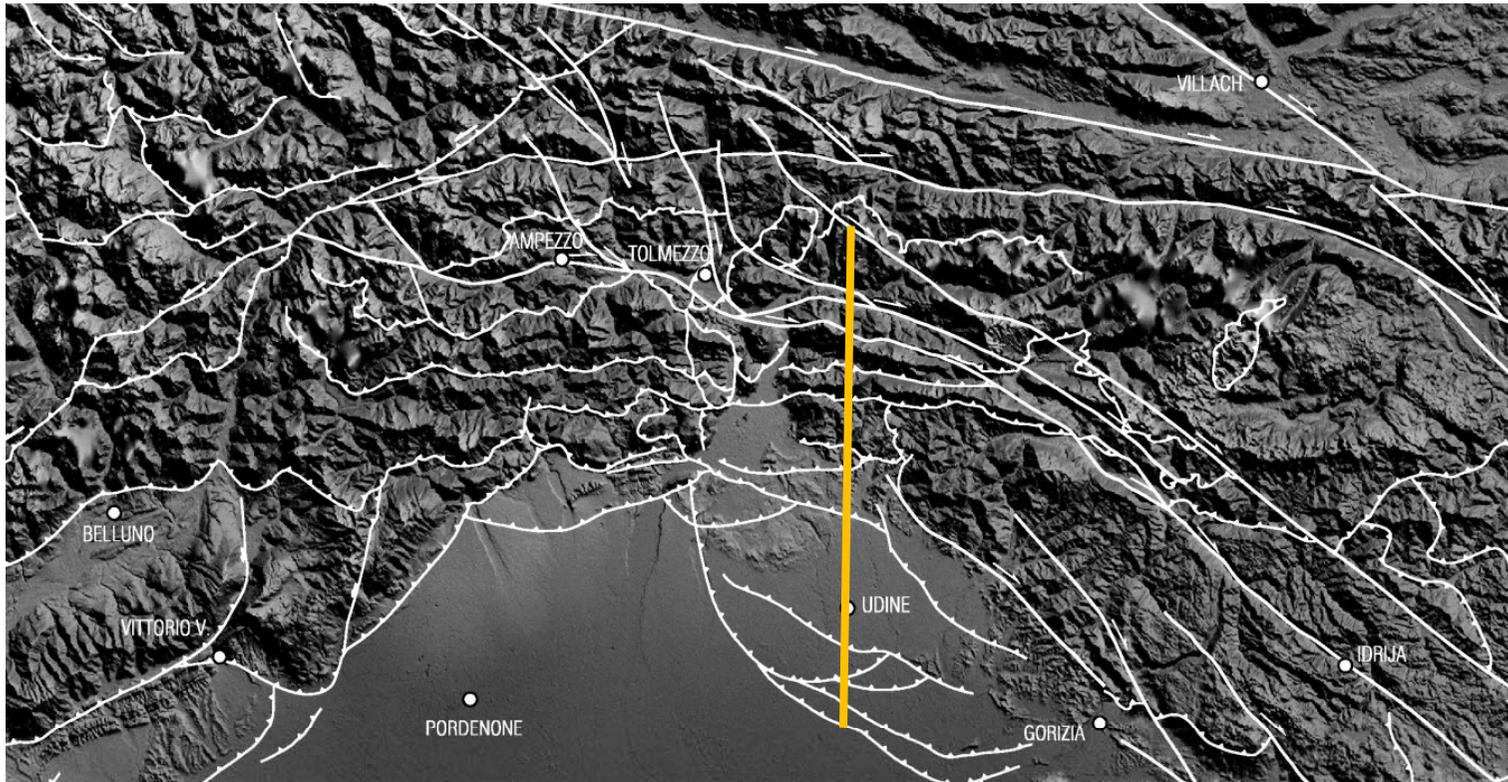
**ATTIVITA' ATTUALE LUNGO LA FAGLIA DI IDRIJA: LA SISMICITA'**



# e delle ripetizioni del 1993 e 2003

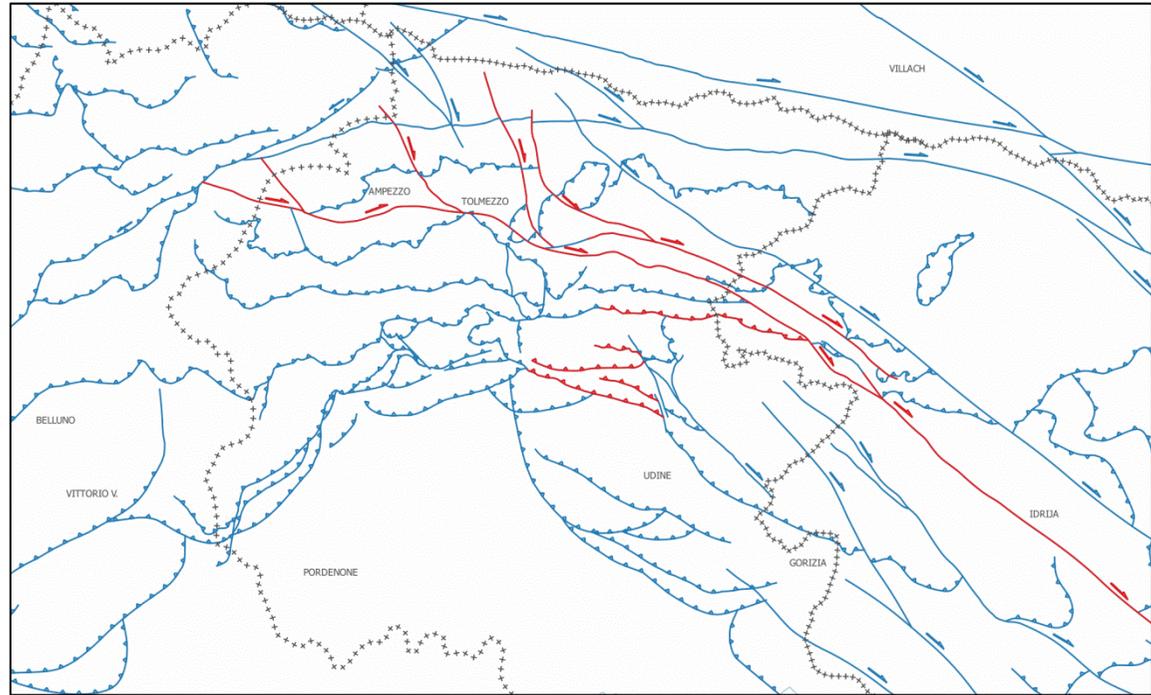
LINEA 34 - Aa spostamenti rispetto 1952 - rispetto I.m.m. TS





# CONCLUSIONS

. Geological, geophysical and seismological evidence allow to hypothesize that the low angle SSW-verging thrust-system of the Julian Prealps (i.e. Gemona-Kobarid, Susans-Tricesimo and Buia thrusts) is structurally joined with the Idrija-Ampezzo strike-slip fault system.



. Active deformation along the Idrija–Ampezzo strike slip fault and the available knowledge on the kinematics of the region, suggest that the transpressive slip-kinematics is probably partitioned between the Idrija-Ampezzo strike slip fault-system and the compressive contractional thrust-belt developing along the Julian prealpine area.

. Slip partitioning displacement in the frame of oblique convergence has been observed in many cases, both as for the coseismic and long-term displacements.



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