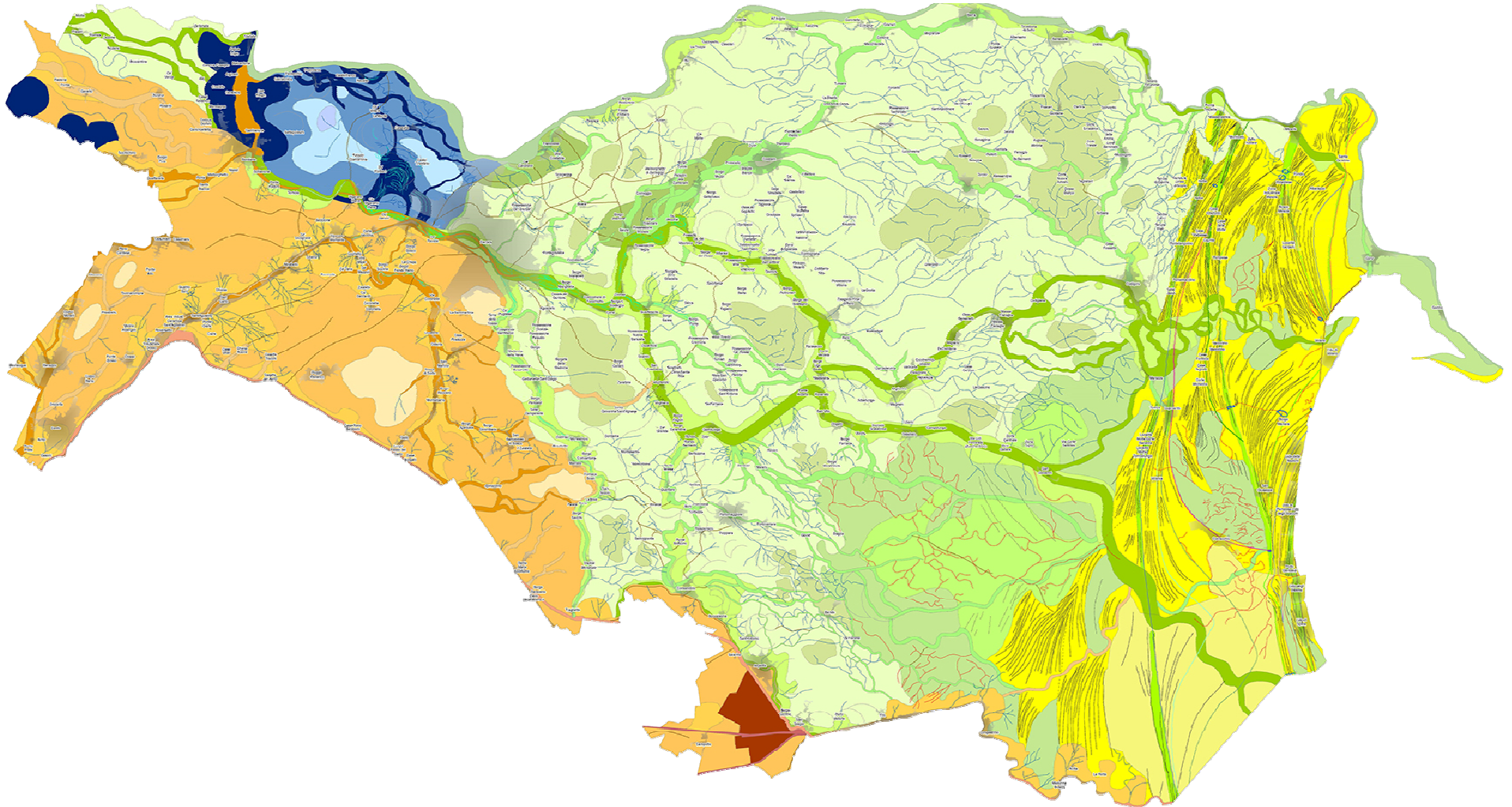


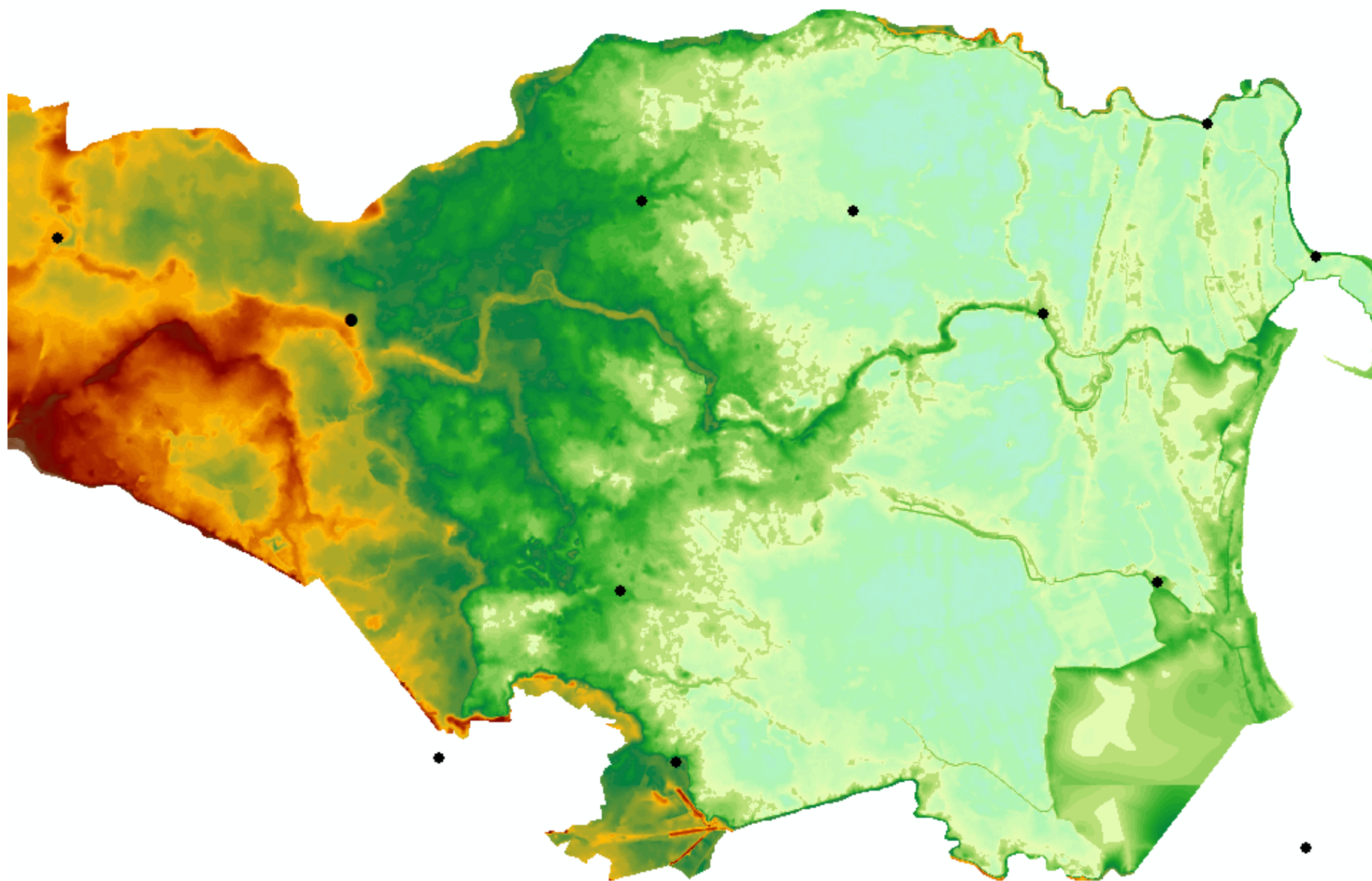
La nuova carta geologico-geomorfologica per il sito UNESCO *“Ferrara città del Rinascimento e il suo Delta del Po”.*

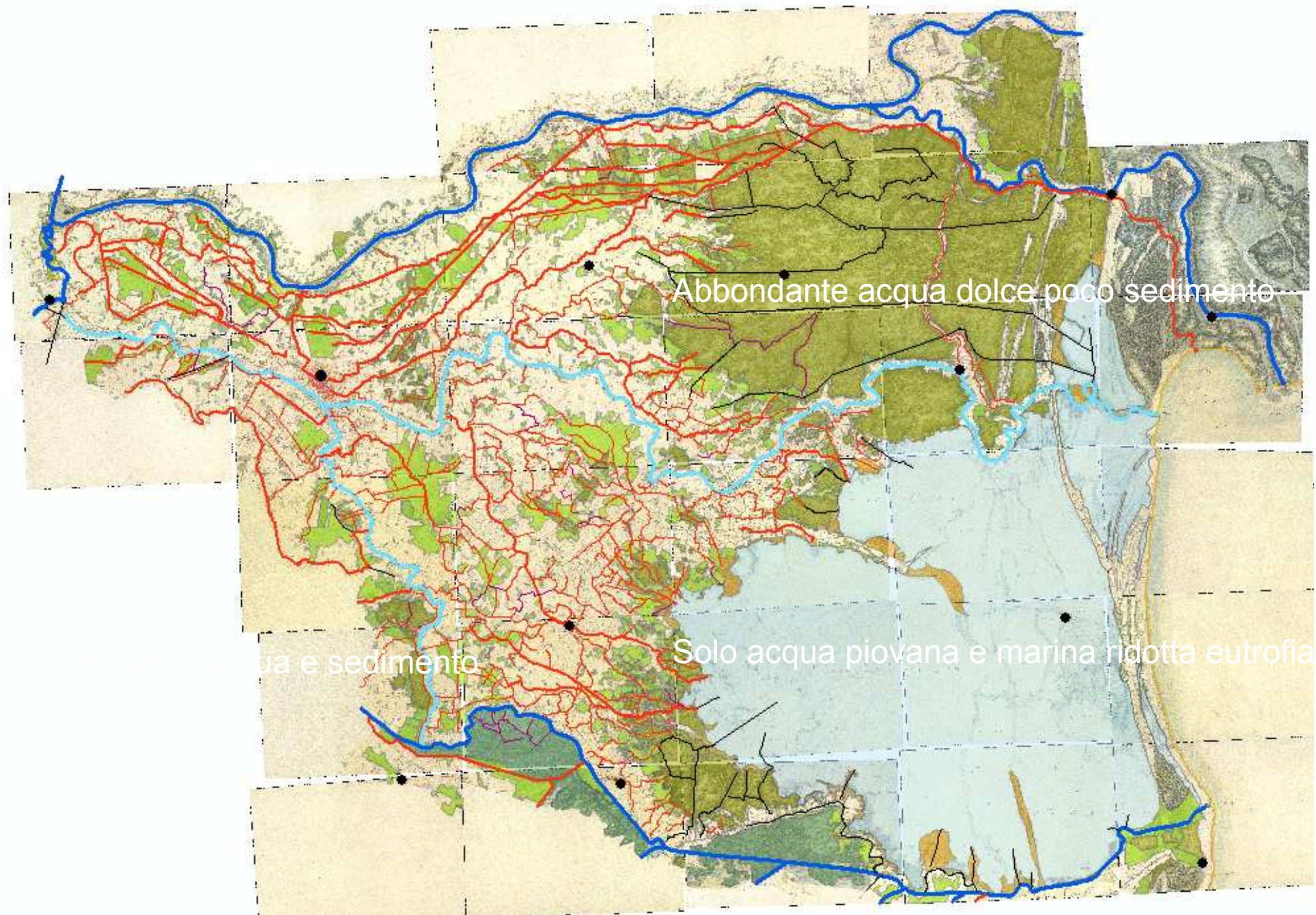
**Prof. Marco Stefani Dipartimento dell'Architettura
Geotema Srl - Impresa Spin-off dell'Università di Ferrara**

Geologico - Geomorfologica

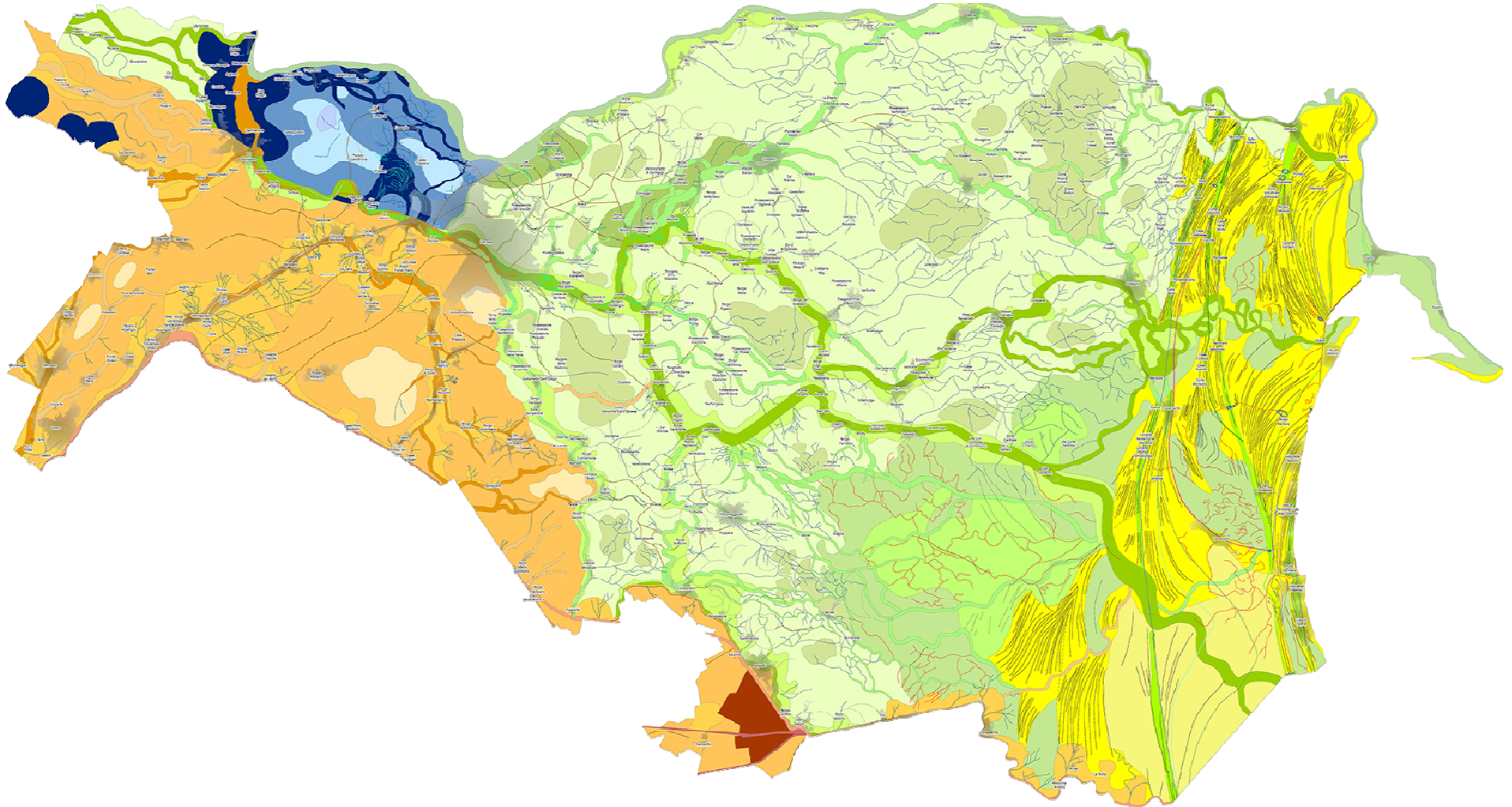


Modello altimetrico



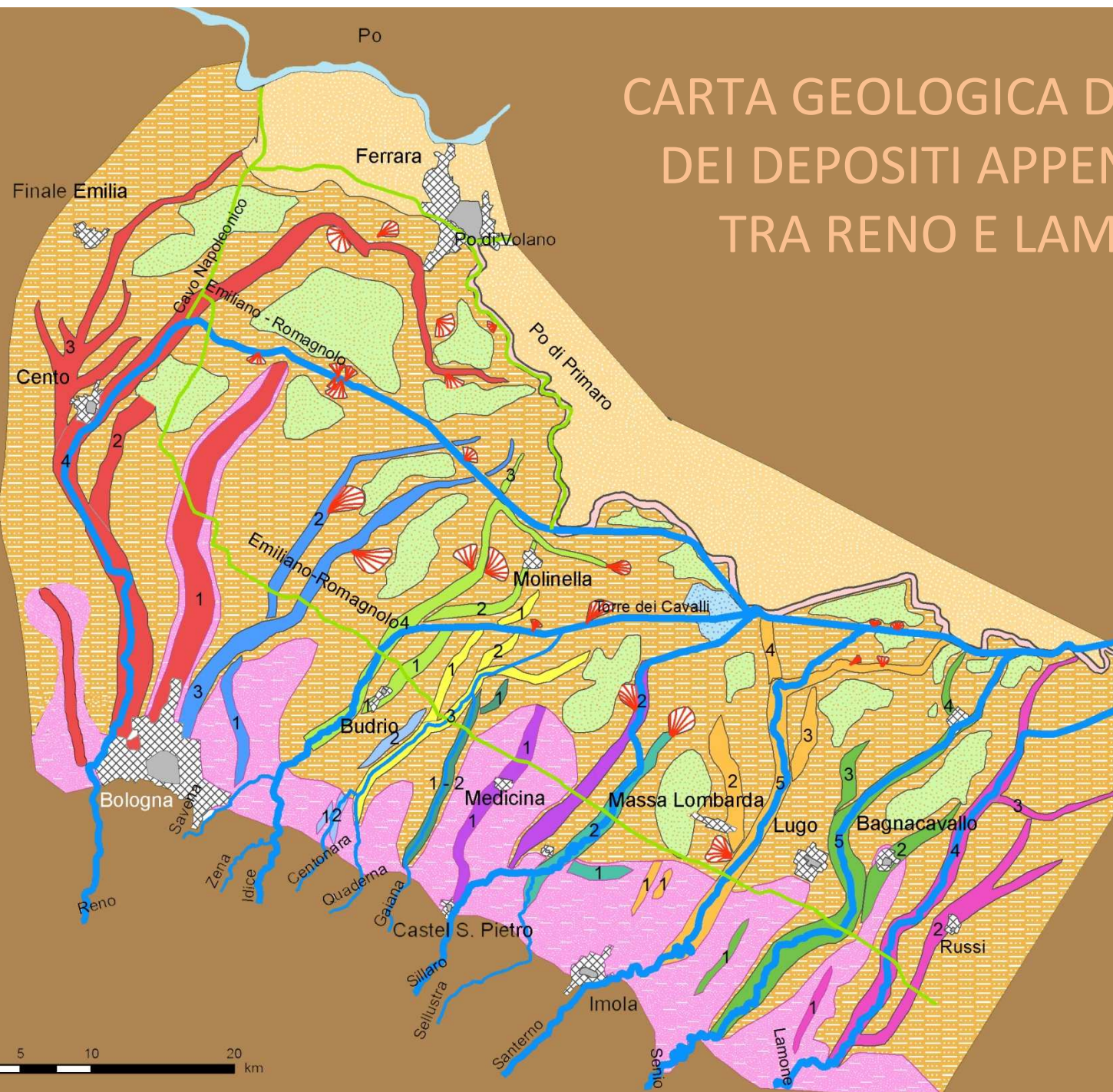


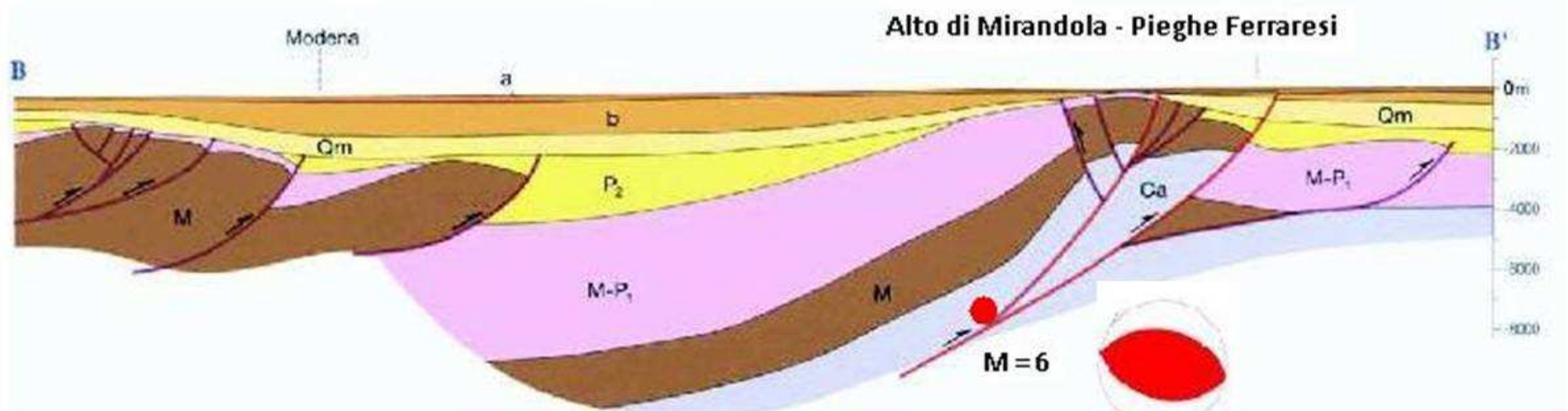
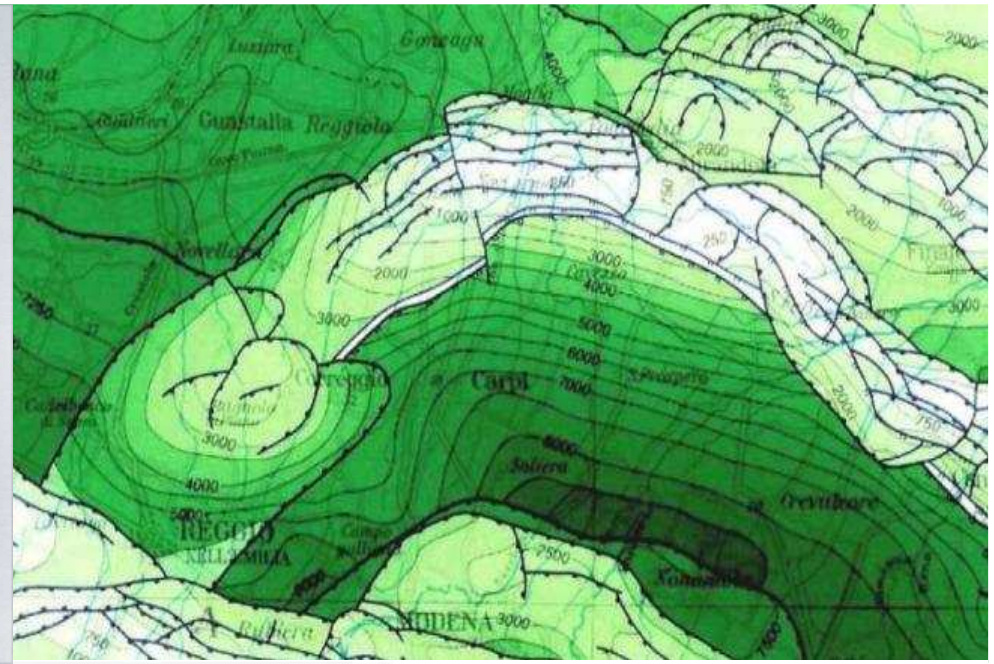
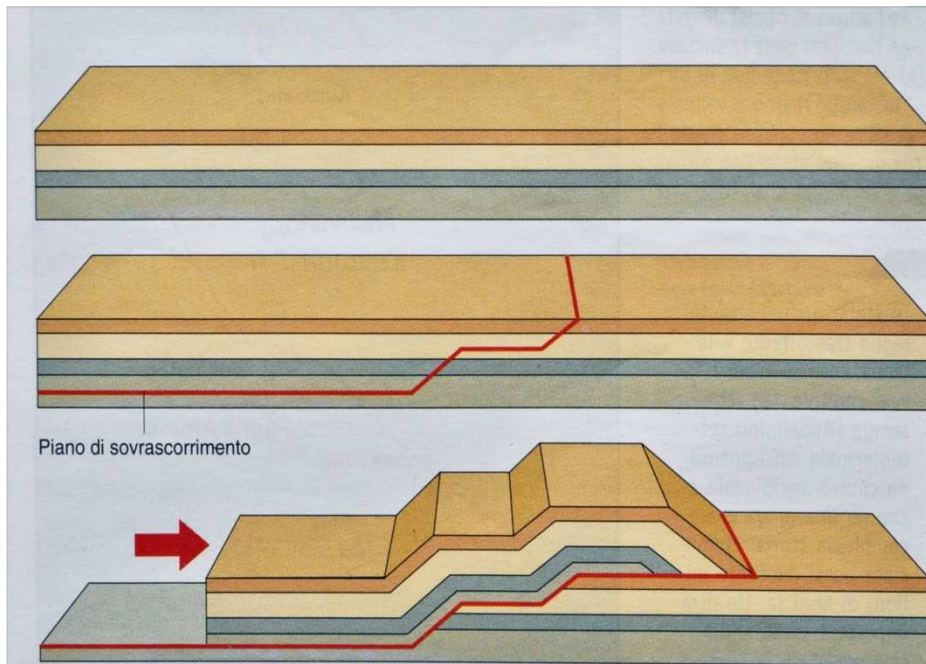
Geologico - Geomorfologica



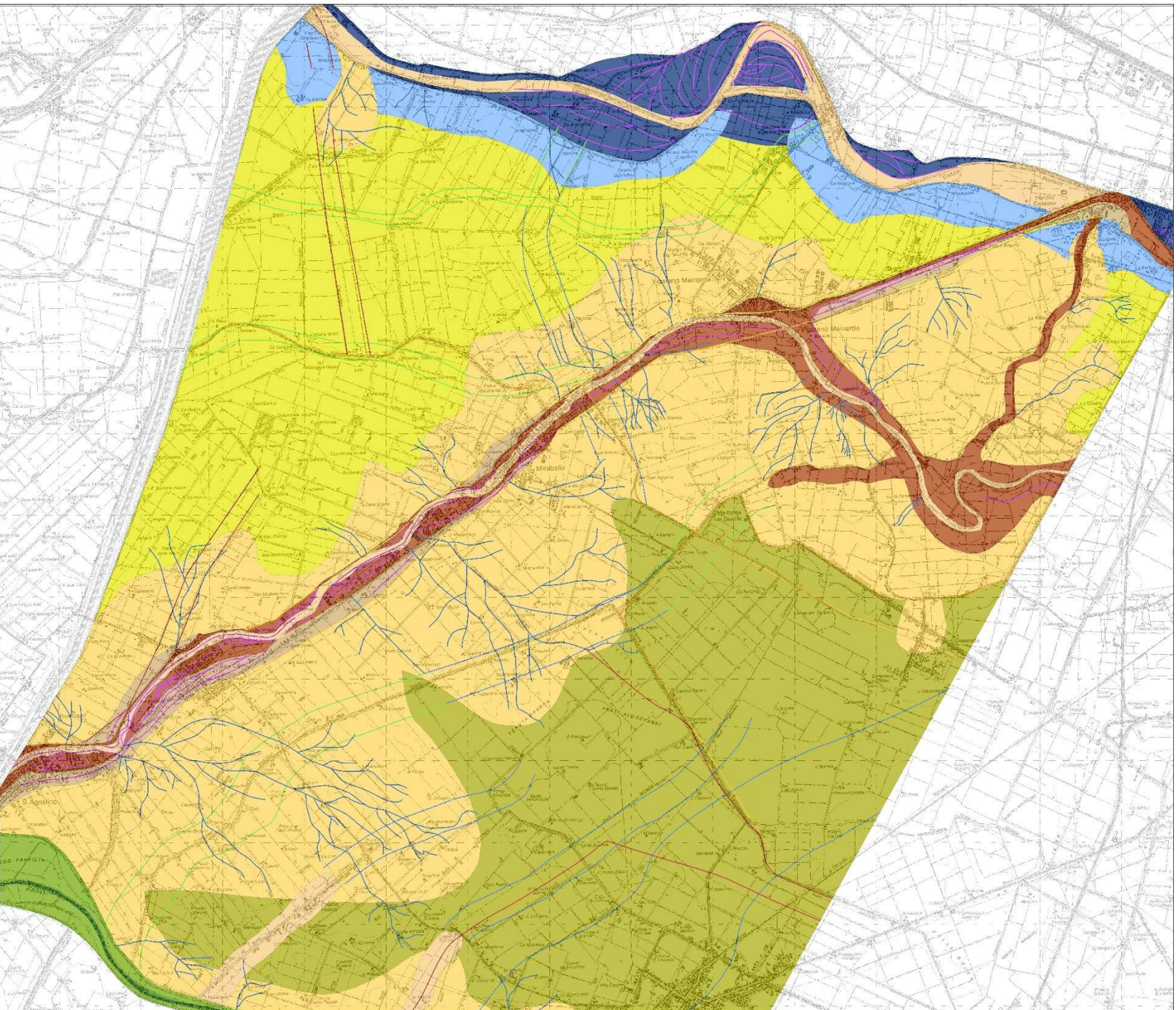


CARTA GEOLOGICA DI SINTESI DEI DEPOSITI APPENNINICI TRA RENO E LAMONE





Carta Geologica Superfice



Altimetria laser, il dosso del Reno



Idrografia al 1530



Il Reno era stato immesso nel Po



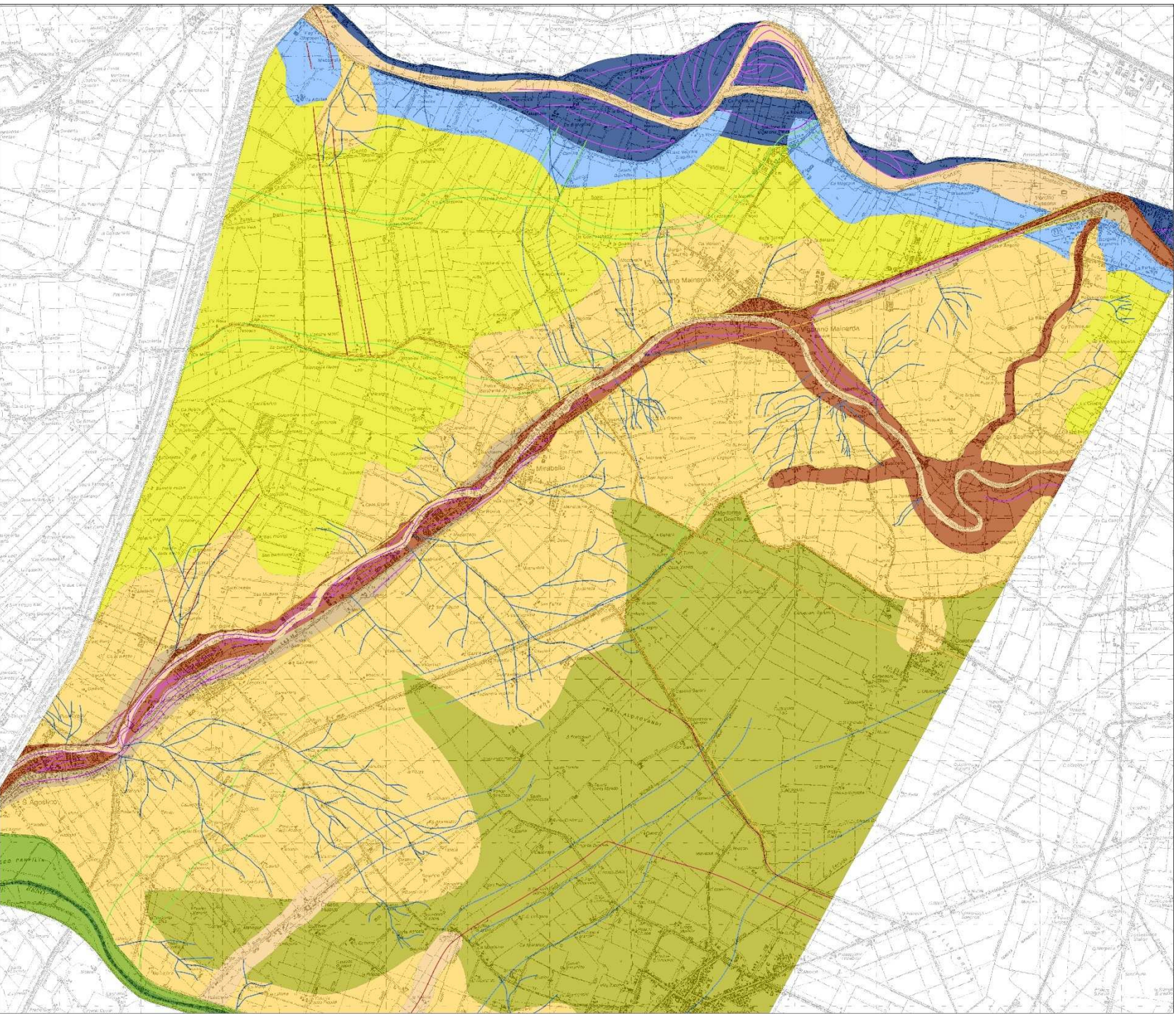
Ignazio Danti, Vaticano.



Il Reno di perdeva a sud di Ferrara

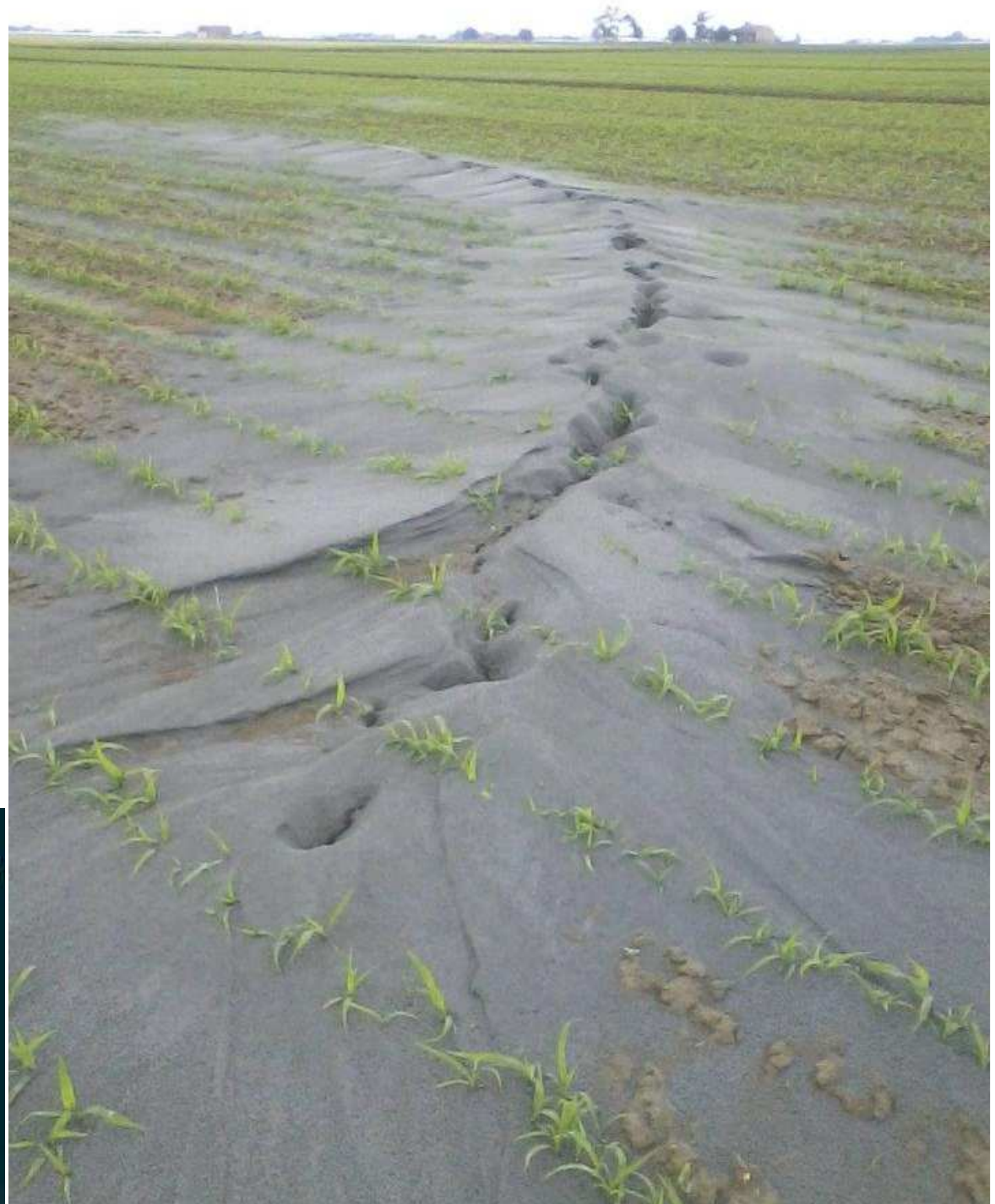
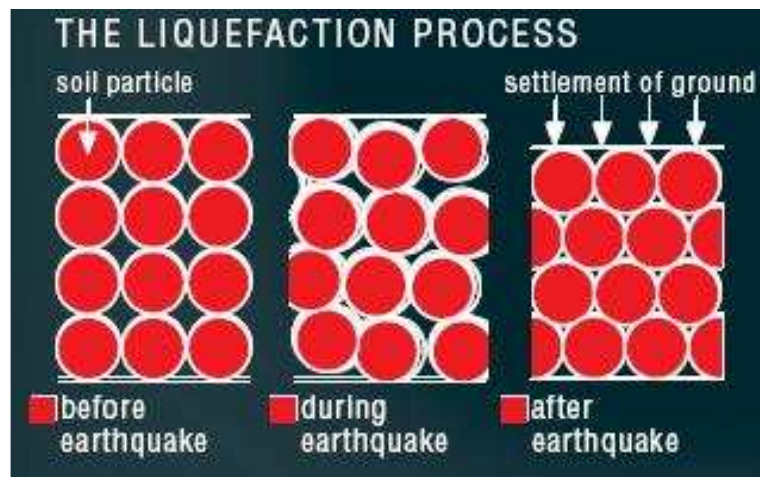


Carta Geologica Superfice



Liquefazione

Sabbie





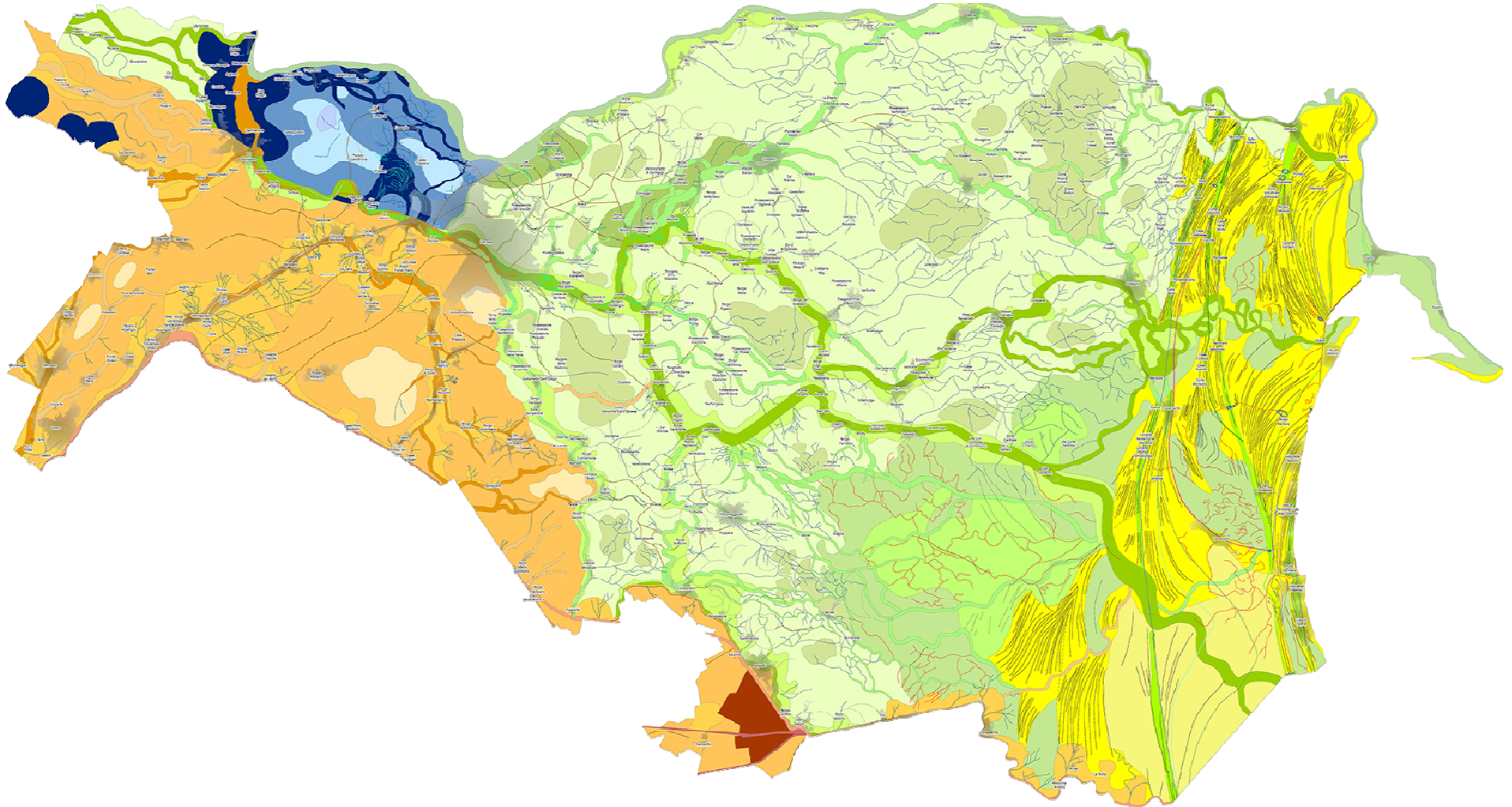
S. Agostino



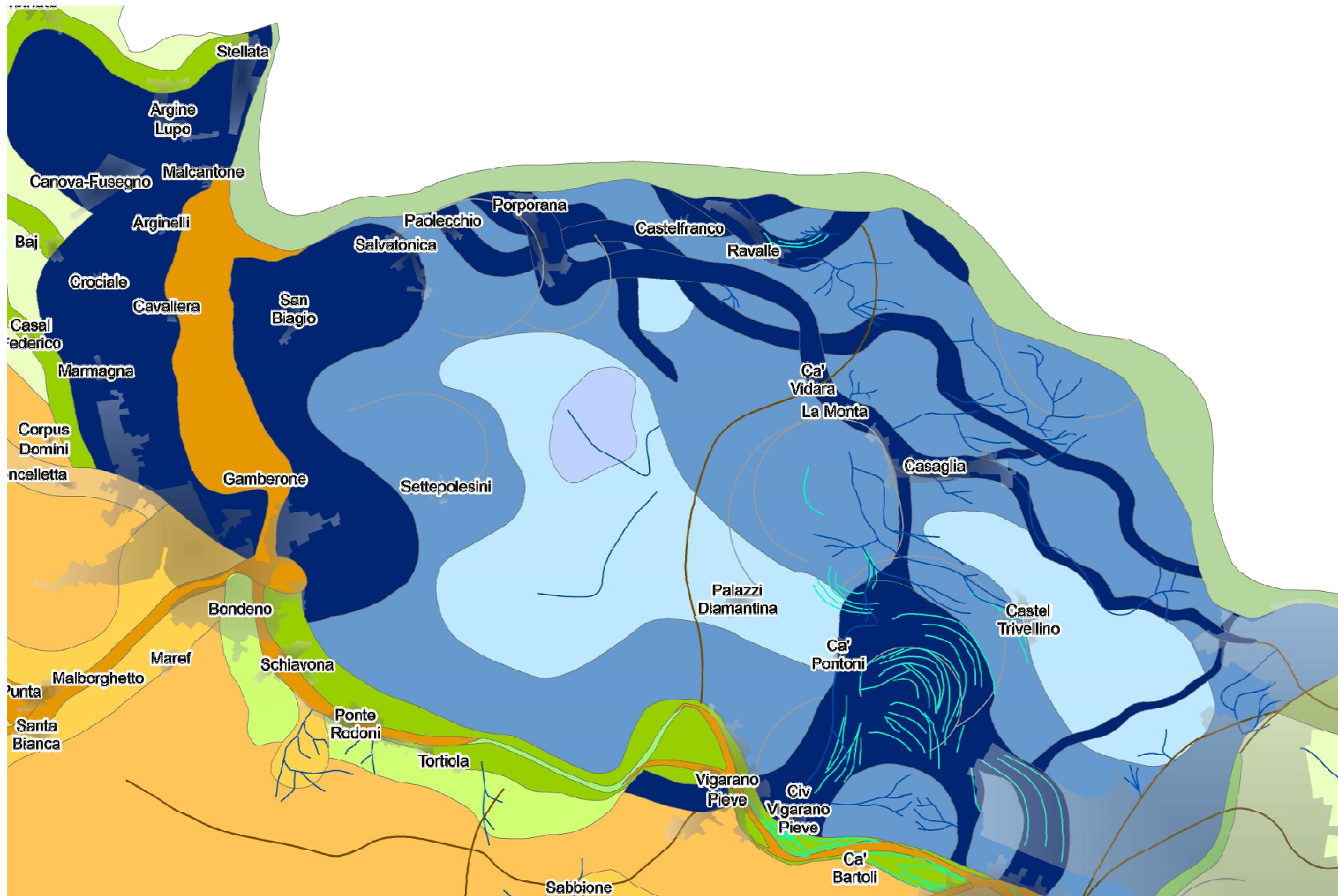


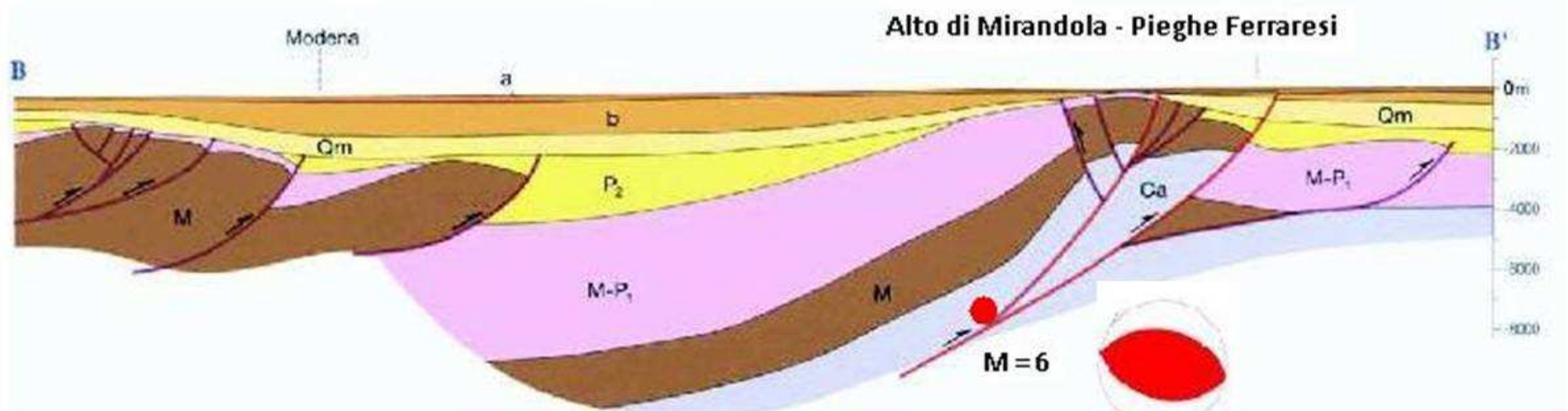
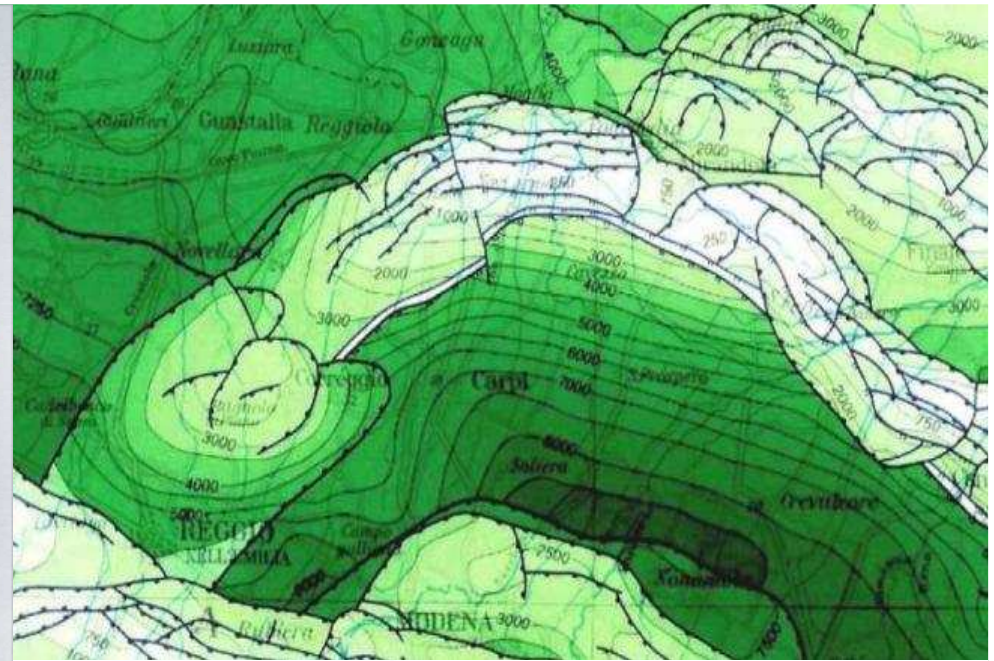
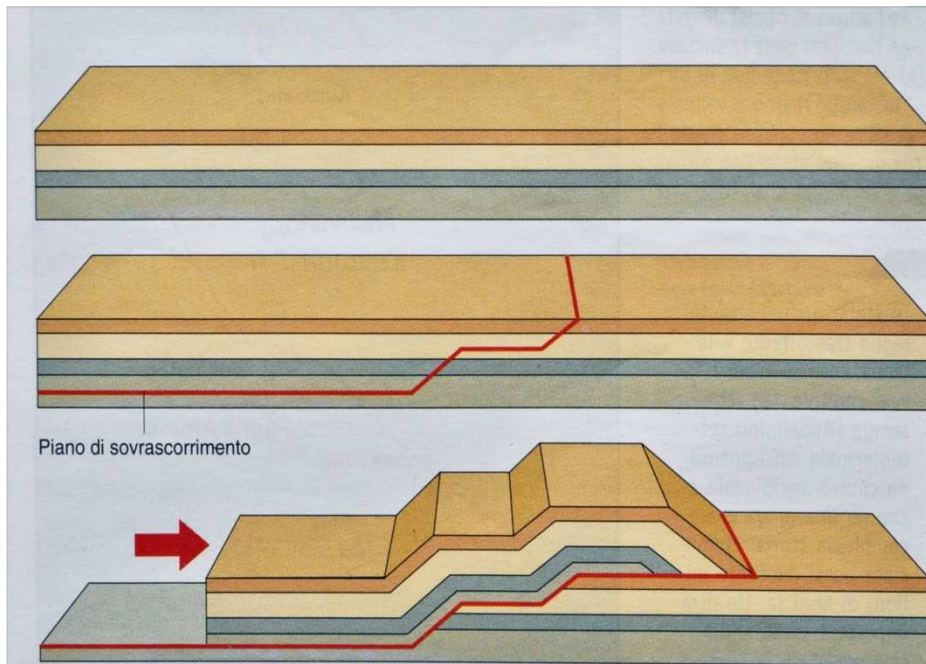
Strutture da liquefazione del 2012
riattivano strutture del 1570

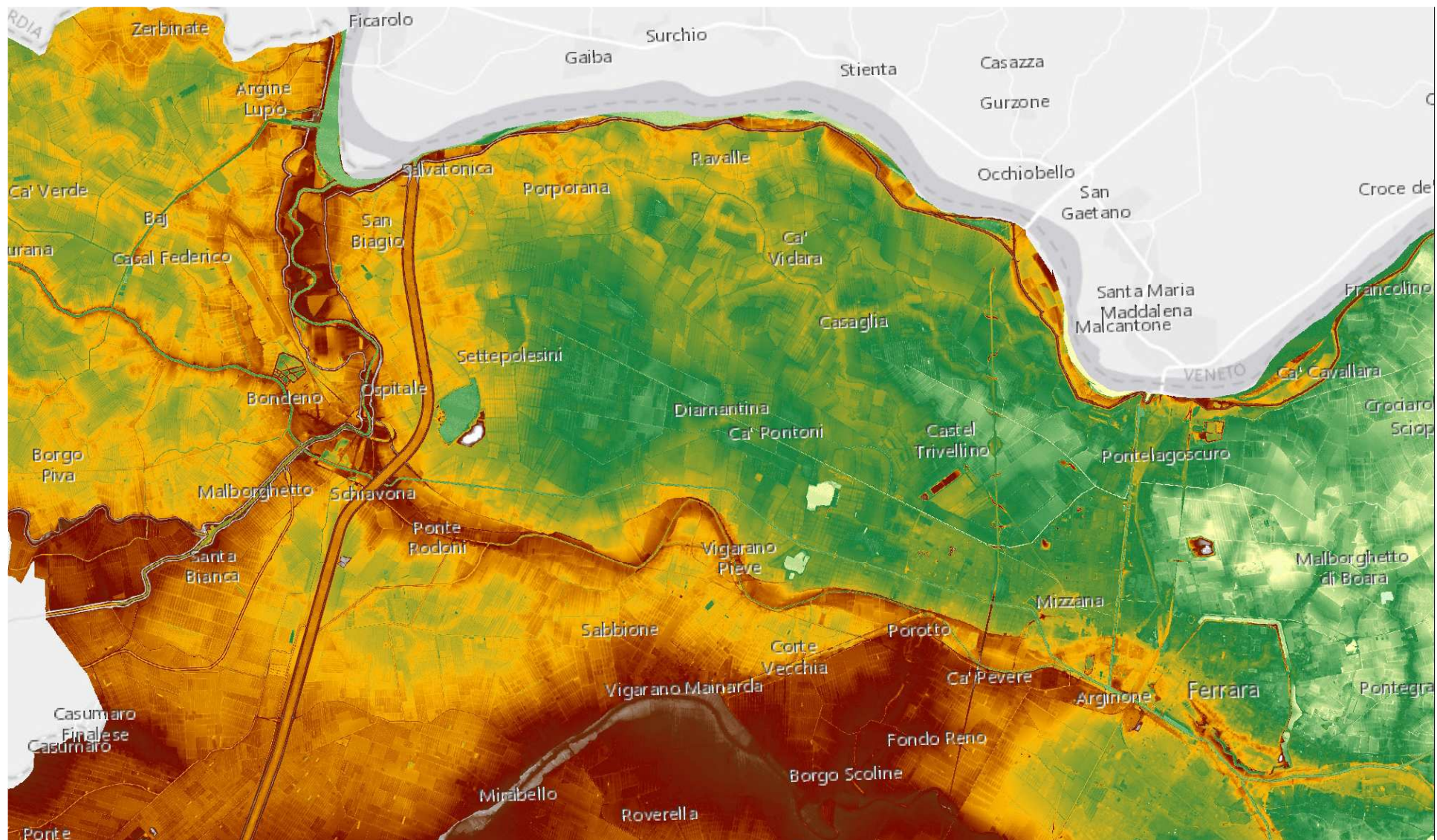
Geologico - Geomorfologica



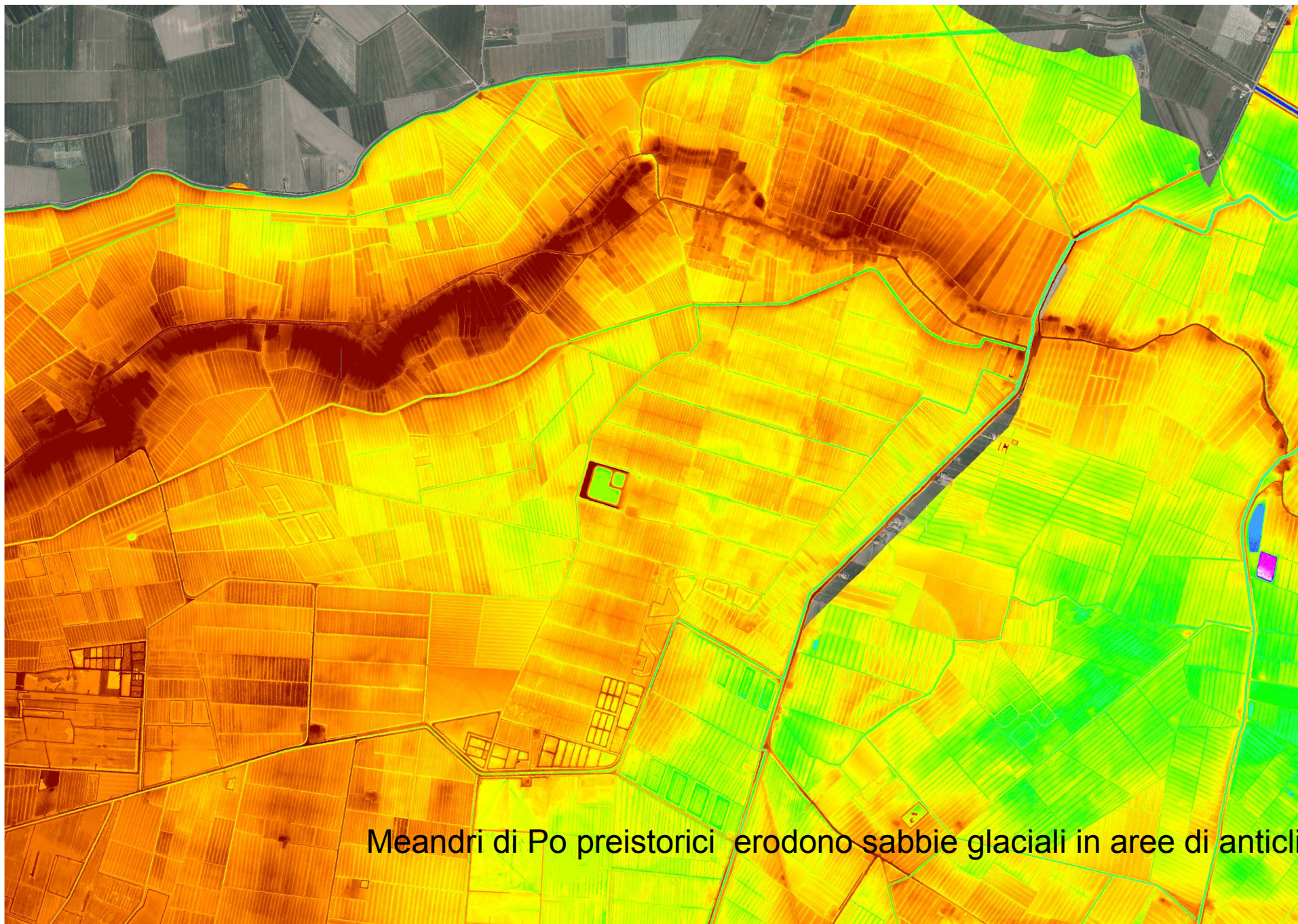
Piana a meandri









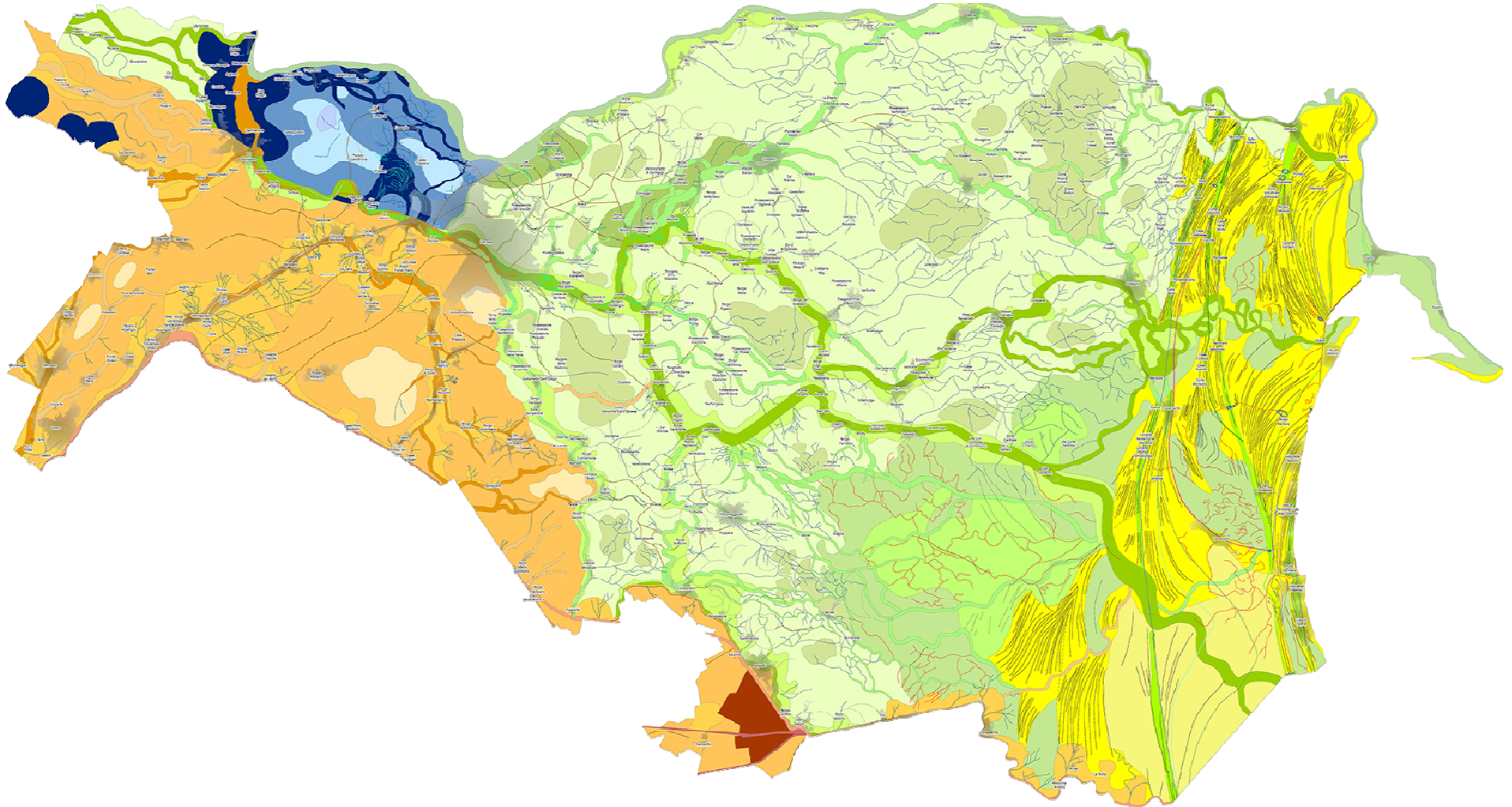


Meandri di Po preistorici erodono sabbie glaciali in aree di anticlin

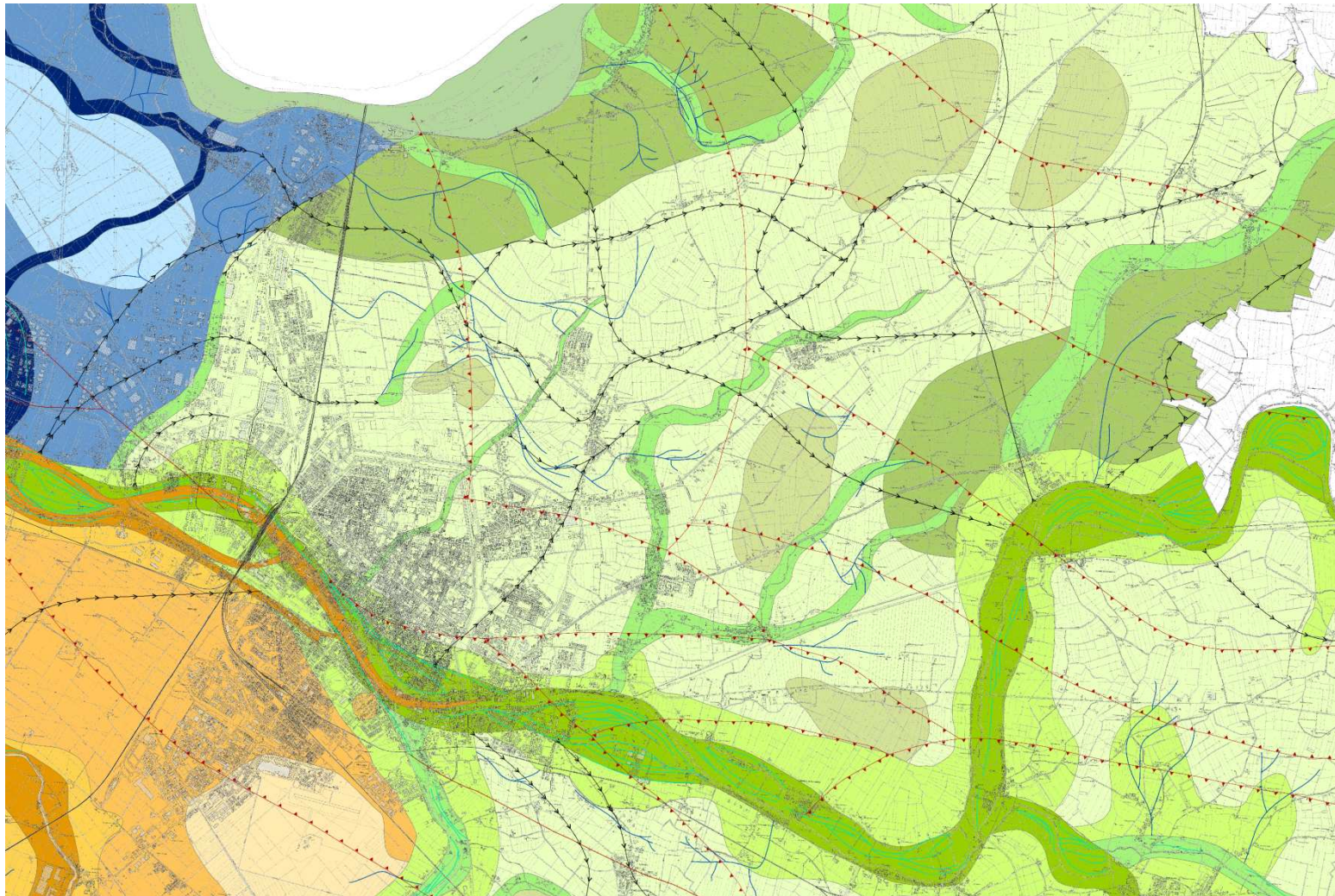




Geologico - Geomorfologica



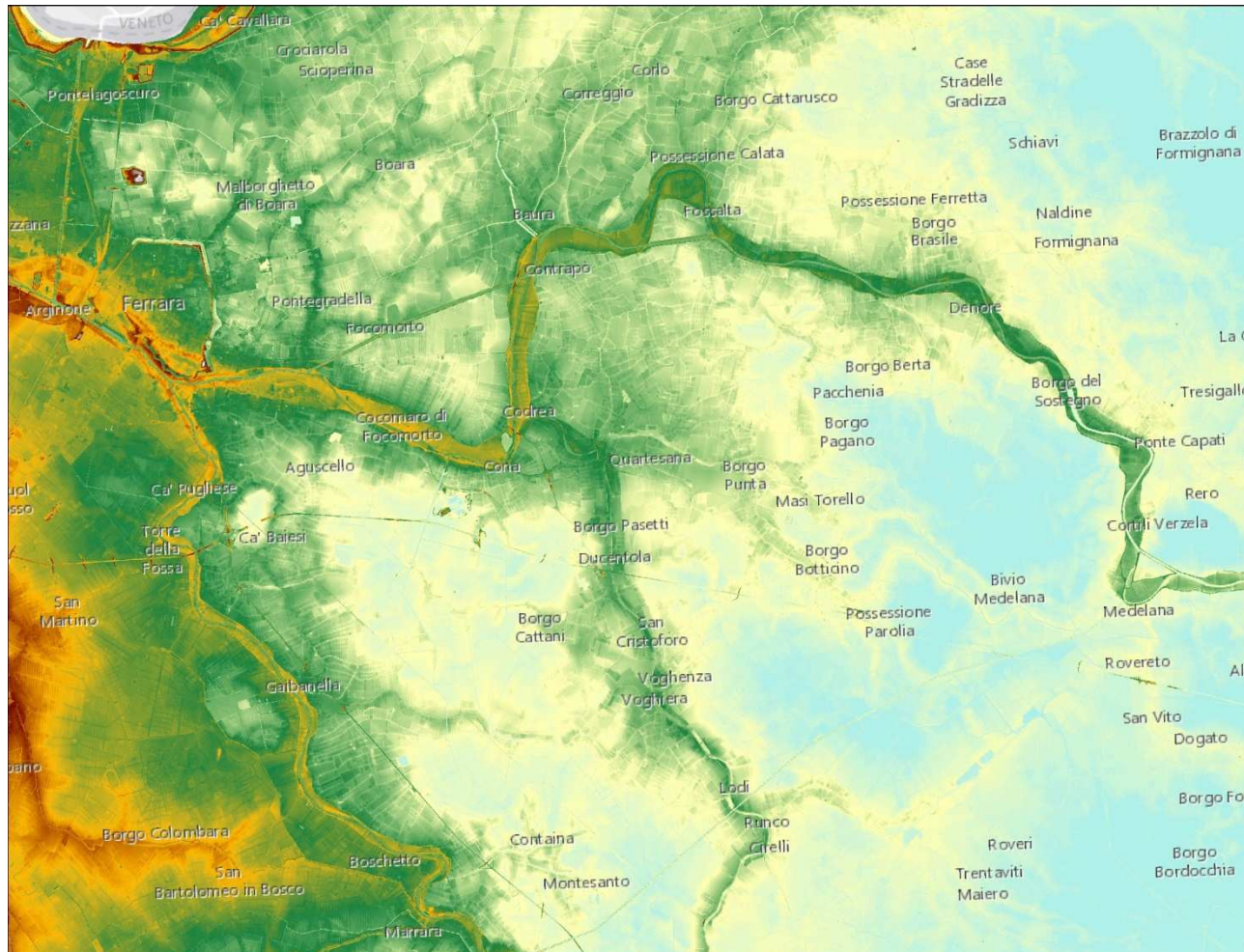
Piana deltizia



Litologie ed elementi deposizionali **Bassa piana alluvionale e deltizia del Po**

 Sabbie di riempimento di canale fluviale	 Limi con sabbie di argine e ventaglio da rotta	 Argille e argille limose di piana intervalvea
 Sabbie e sabbie limose di riempimento di canale fluviale	 Limi con sabbie di piana intervalvea	 Argille e argille organiche di depressione intervalvea

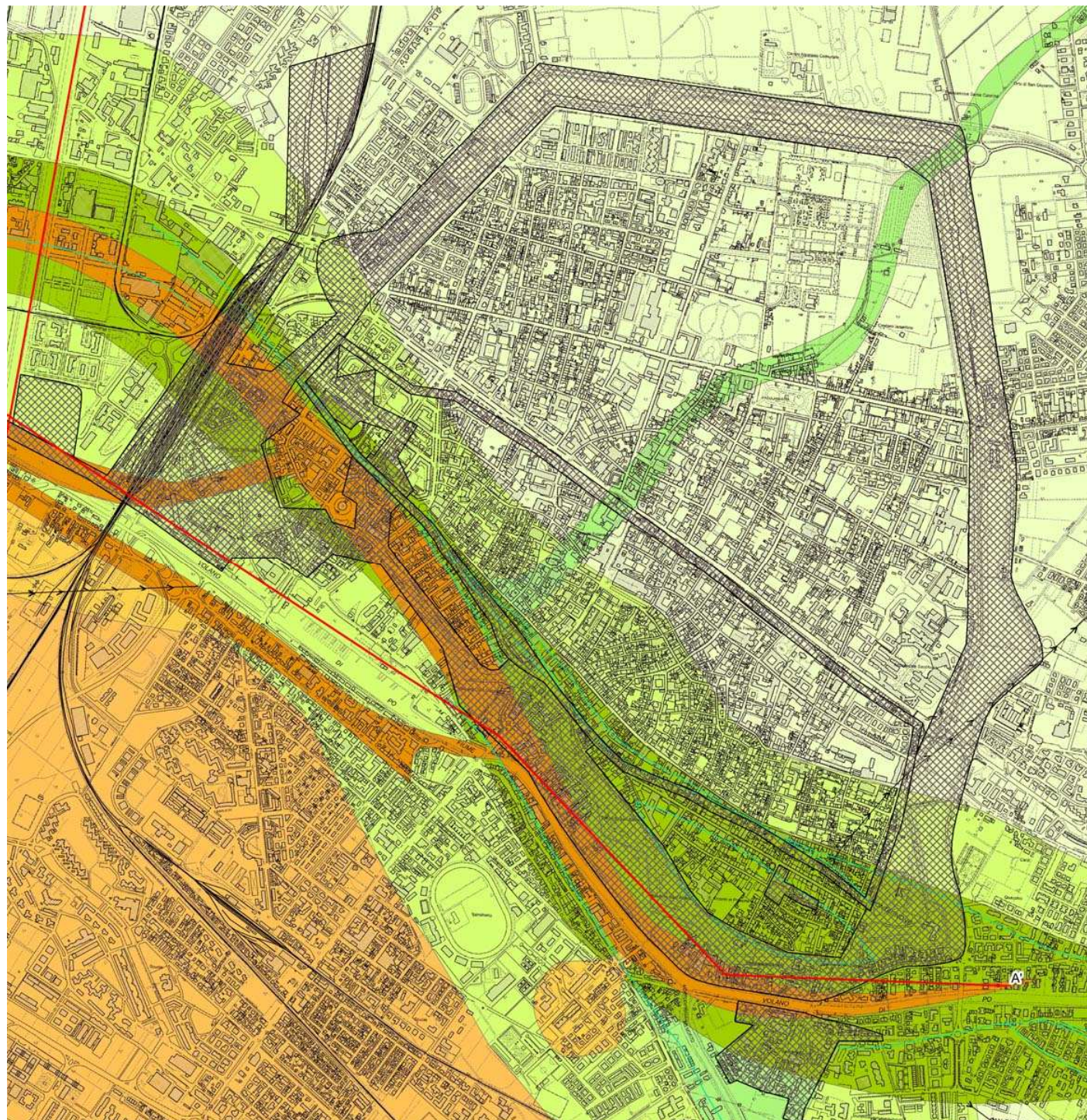
Piana deltizia



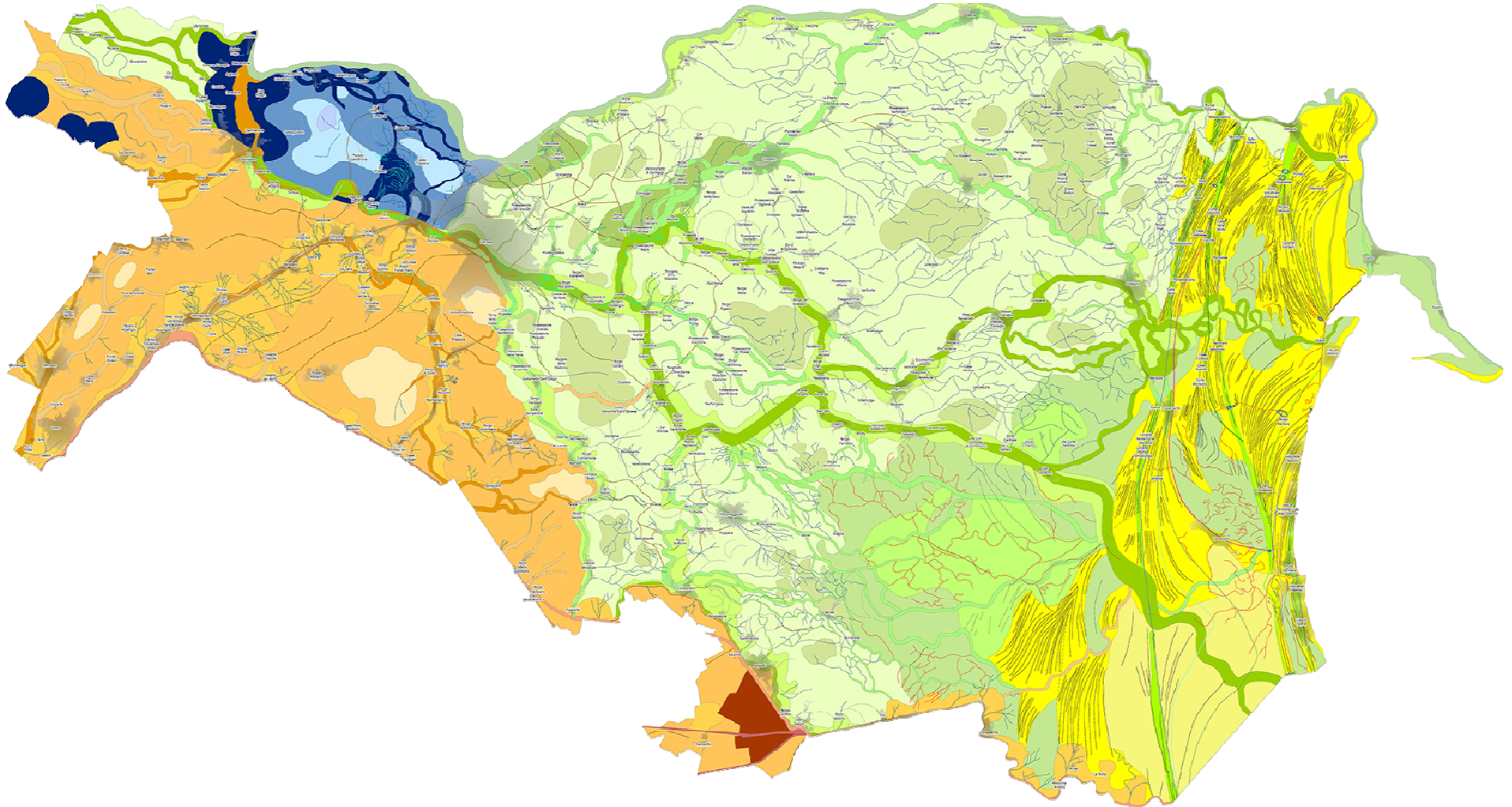


Ferrara nasce presso la biforcazione deltizia
dei canali distributori di Volano e Primaro

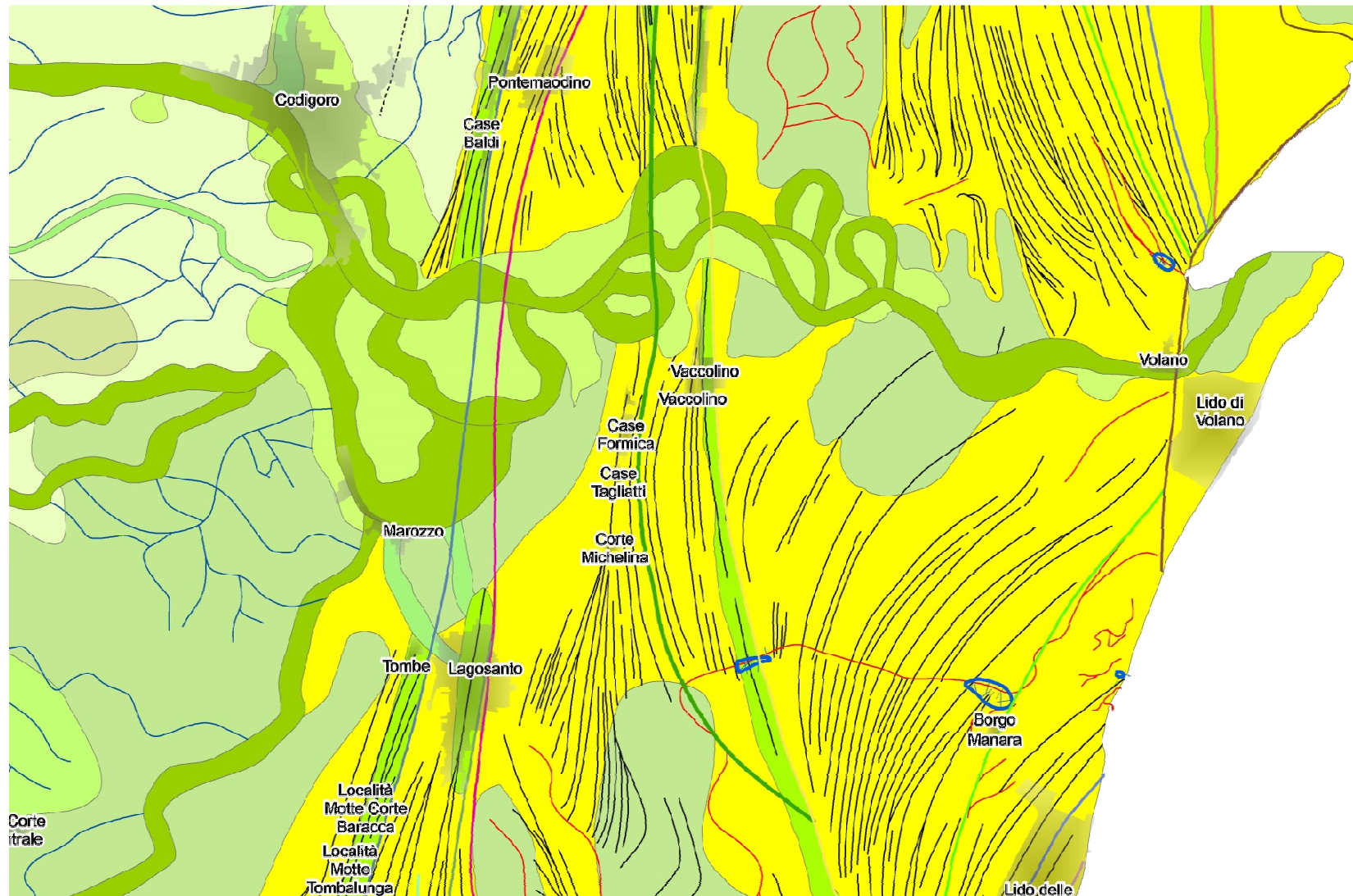
Carta Geologica Ferrara



Geologico - Geomorfologica



Piana deltizia



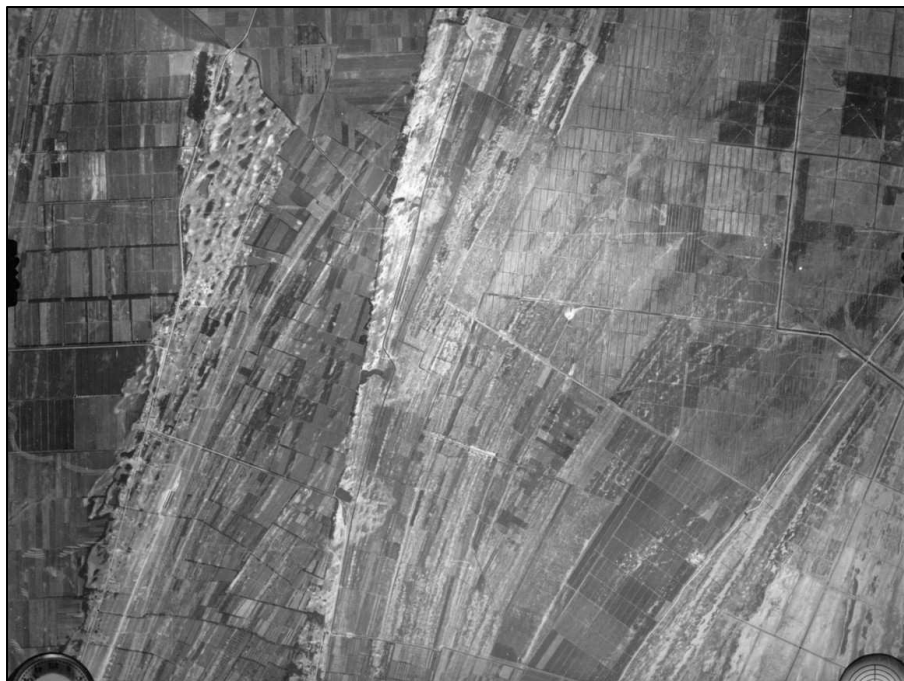
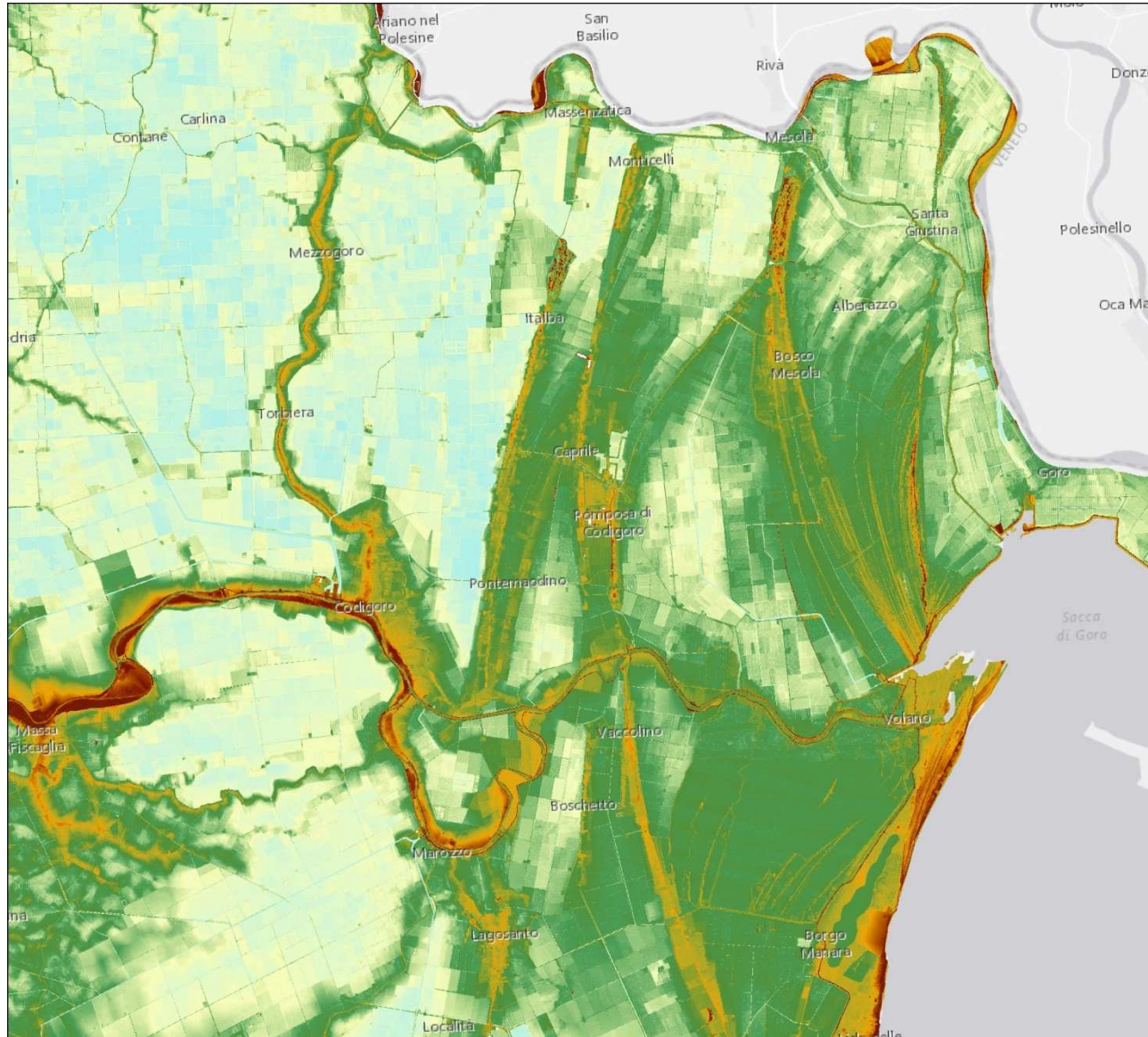


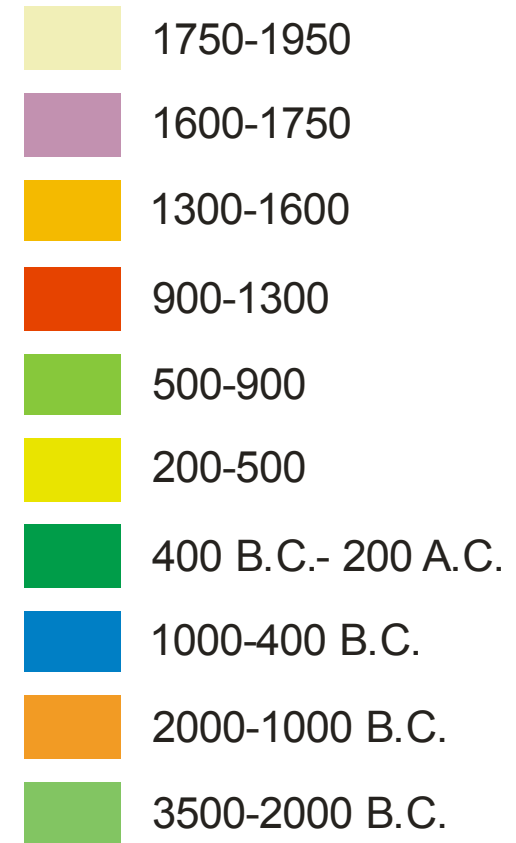
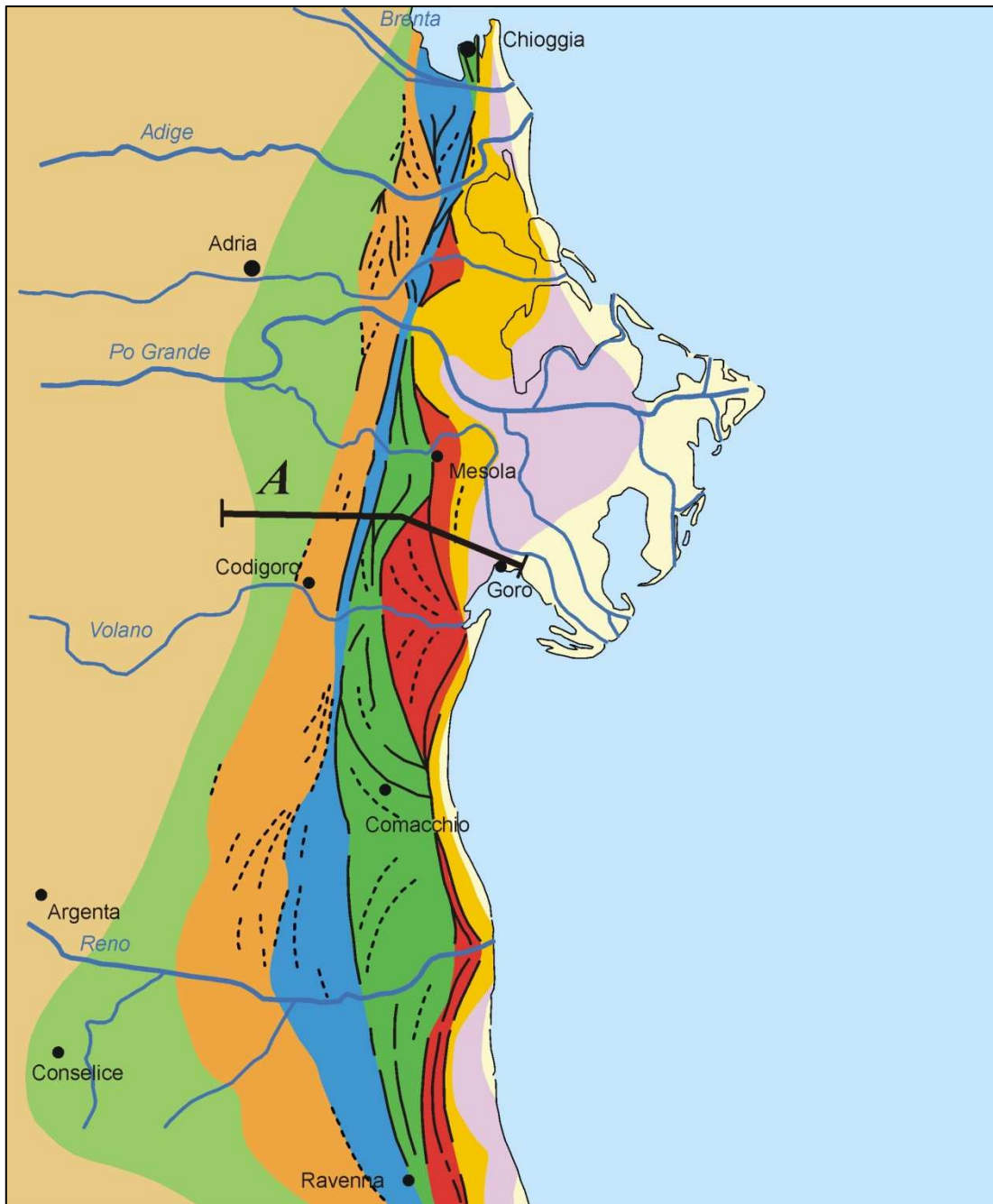
Foto aeree e da satellite

Coperture di età diversa
dal 1944 al 2003

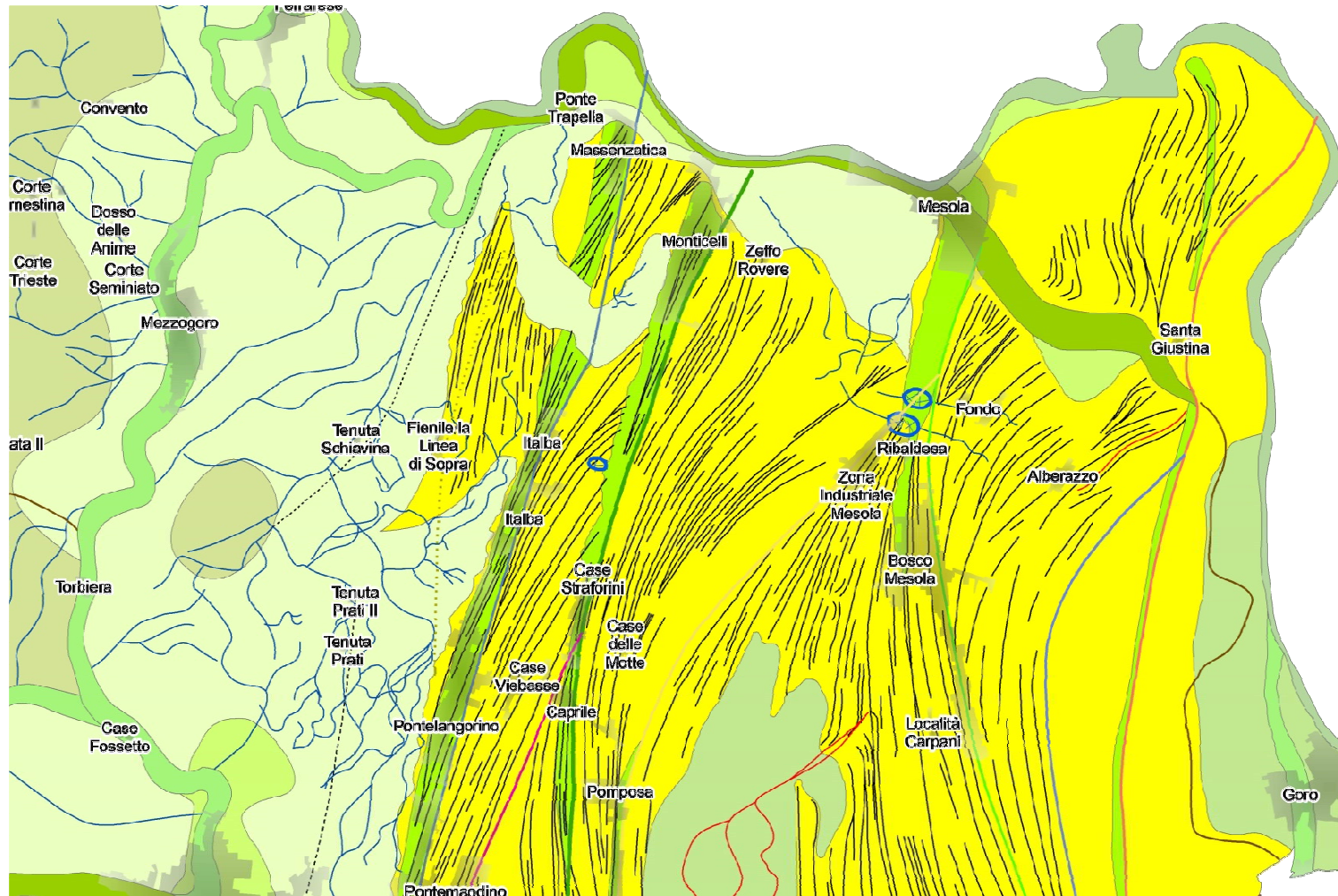


Dune costiere





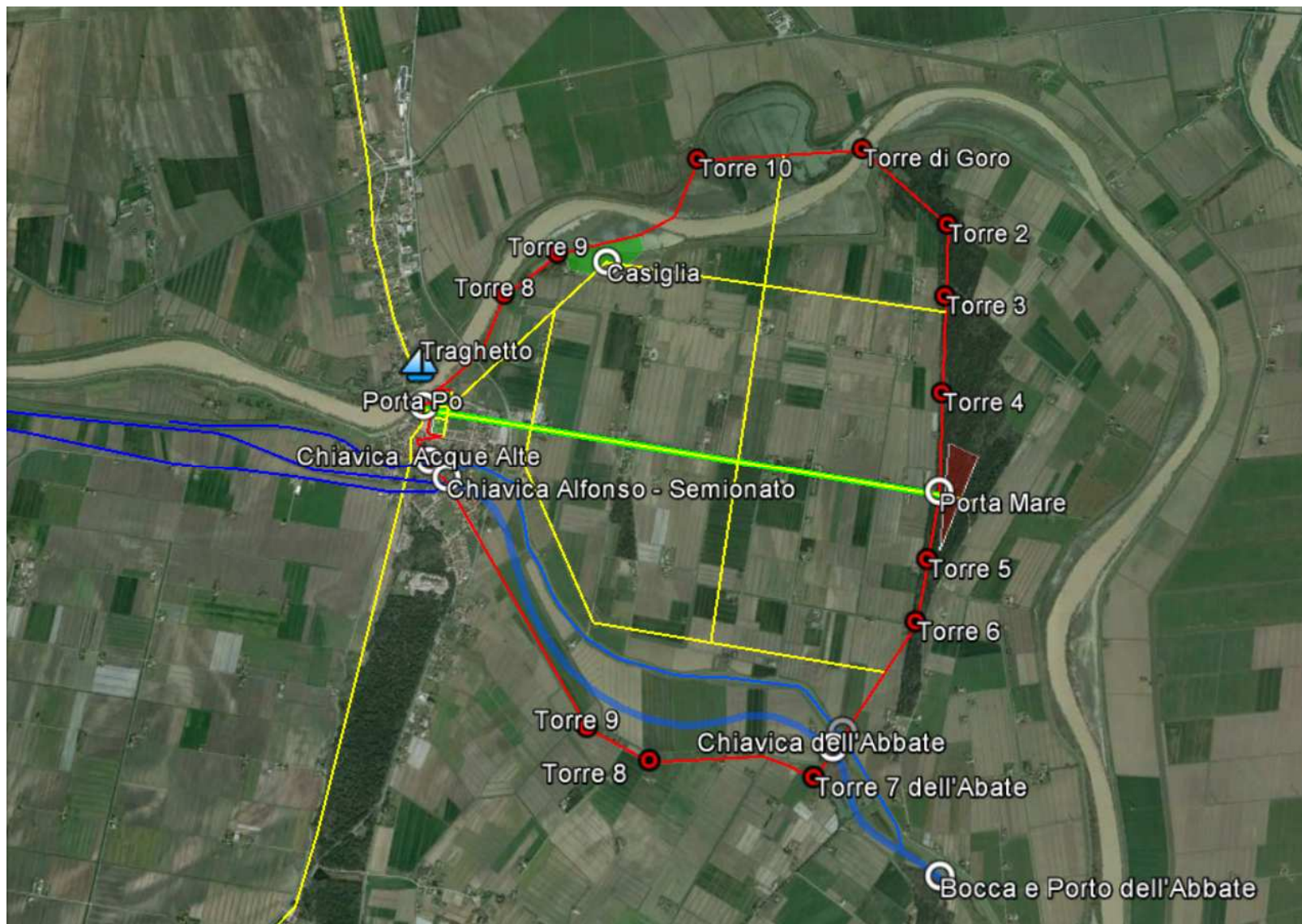
Piana deltizia











Rischio ambientale



Spiaggia in veloce arretramento
a sud del Lido di Spina





Grazie

M. Stefani