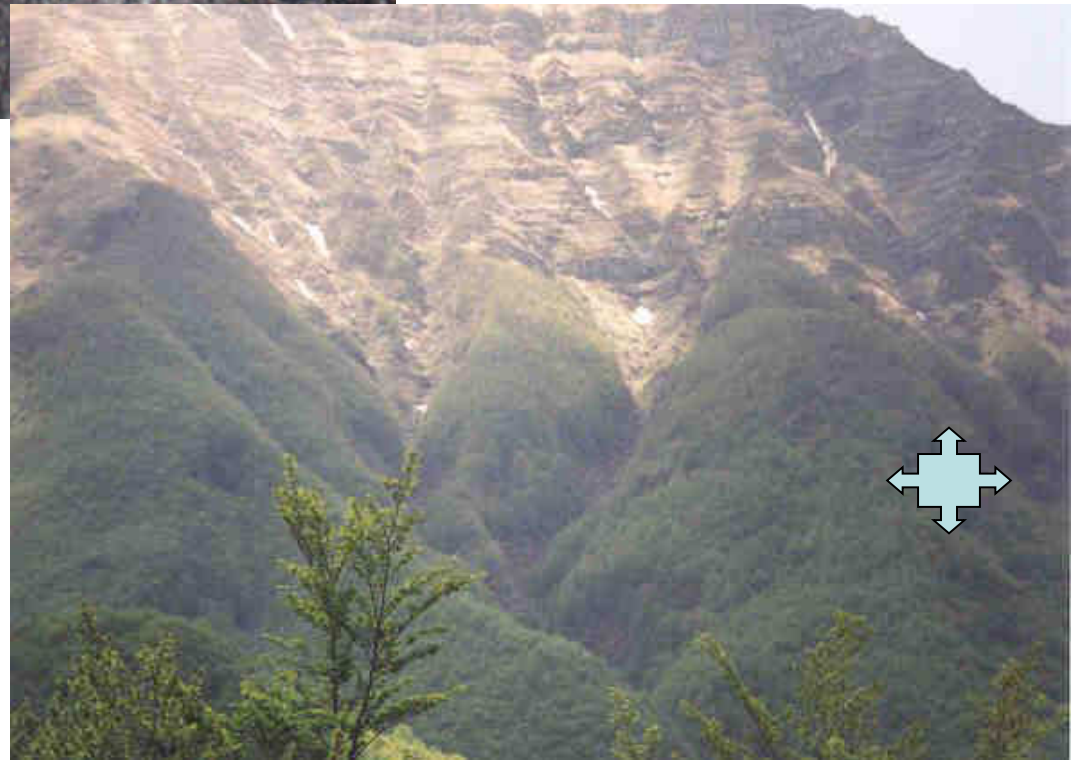


**I nostri primi 10 anni - L'attualità del magistero del Prof. Fulvio Ciancabilla**  
**Rischio idraulico e gestione delle risorse naturali nel bacino del fiume Reno**



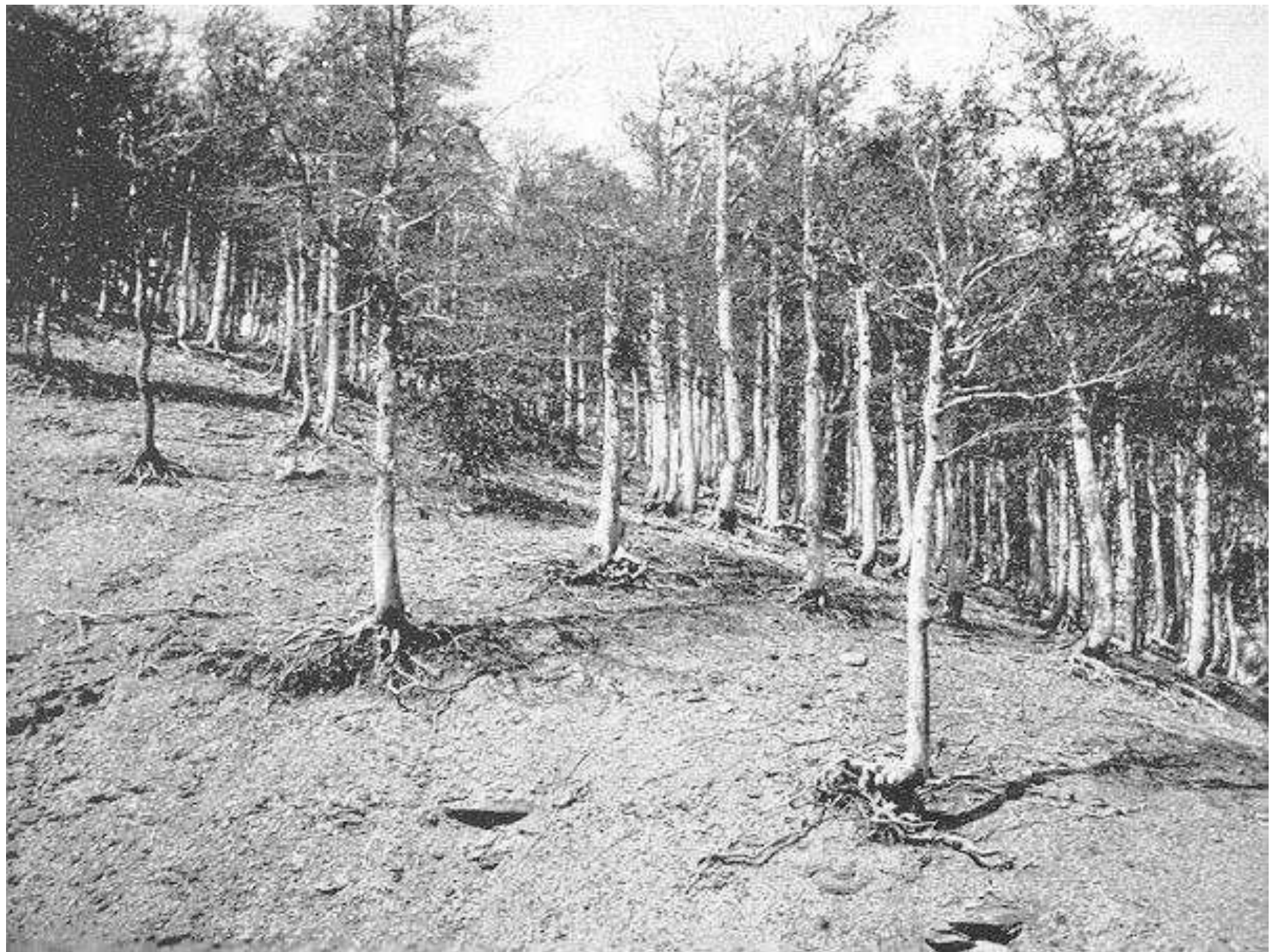
**Claudio Cavazza PhD**

















**Erosione versanti Lizzano B.**



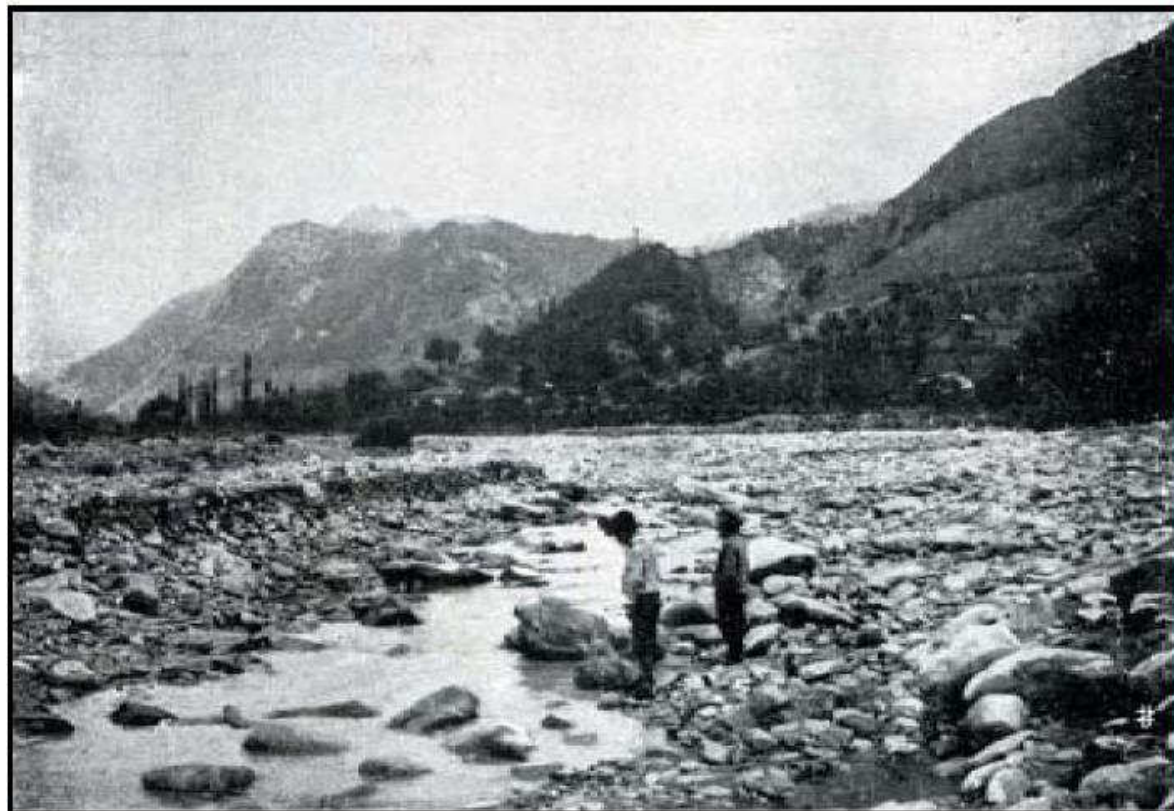




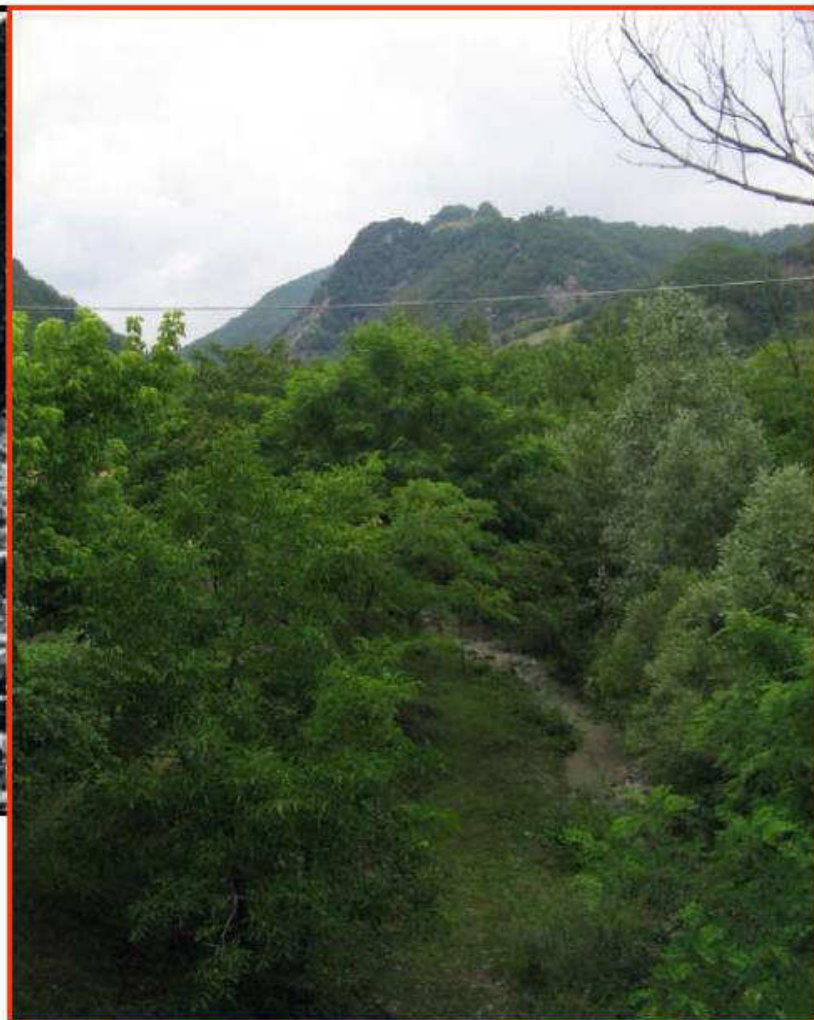








Confluenza Reno- Venola  
primi 900-2007

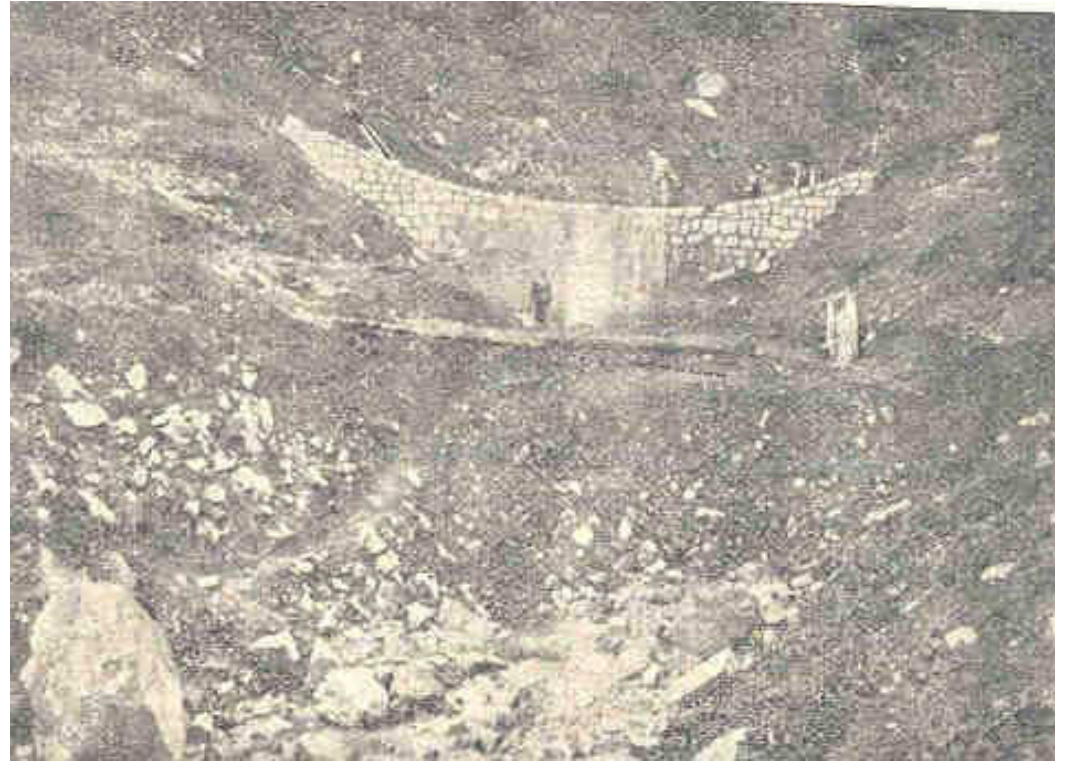
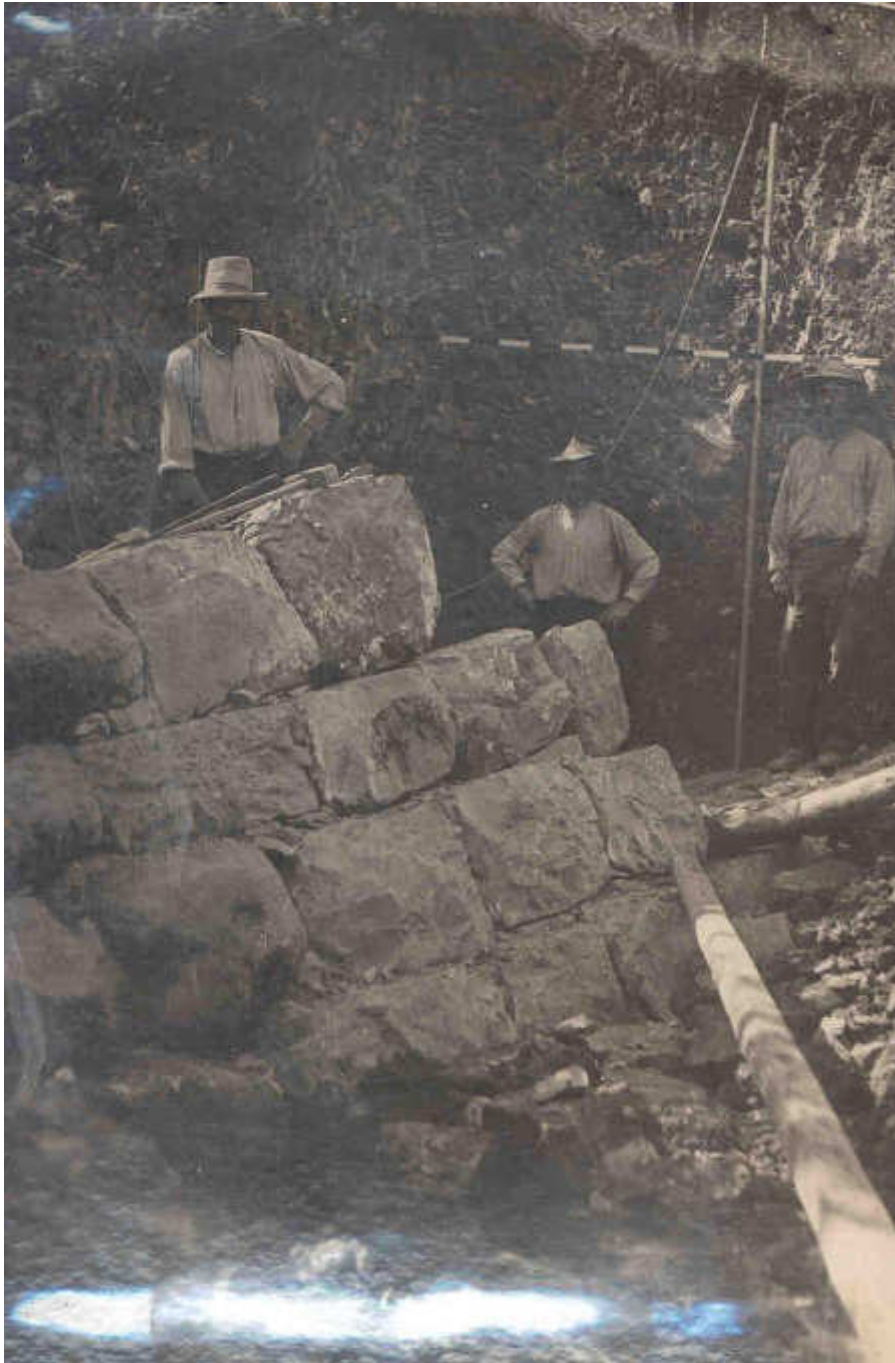


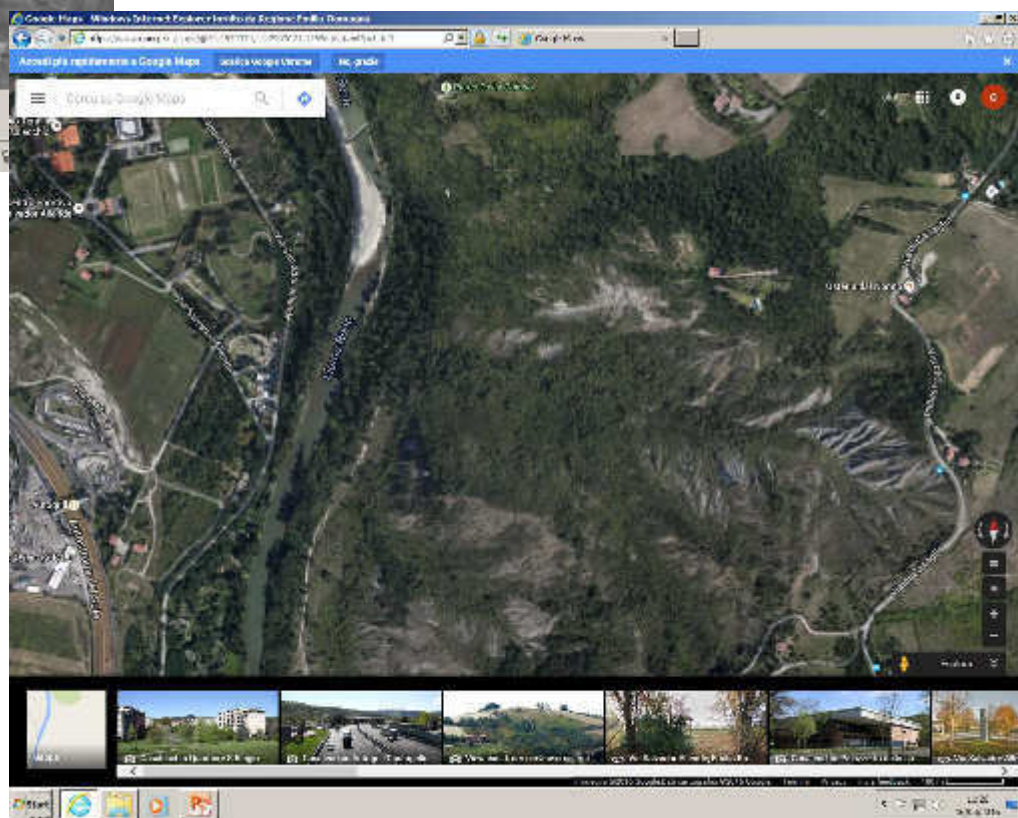
















Valle del Reno a Marzabotto

*Marzabotto - Agnina*





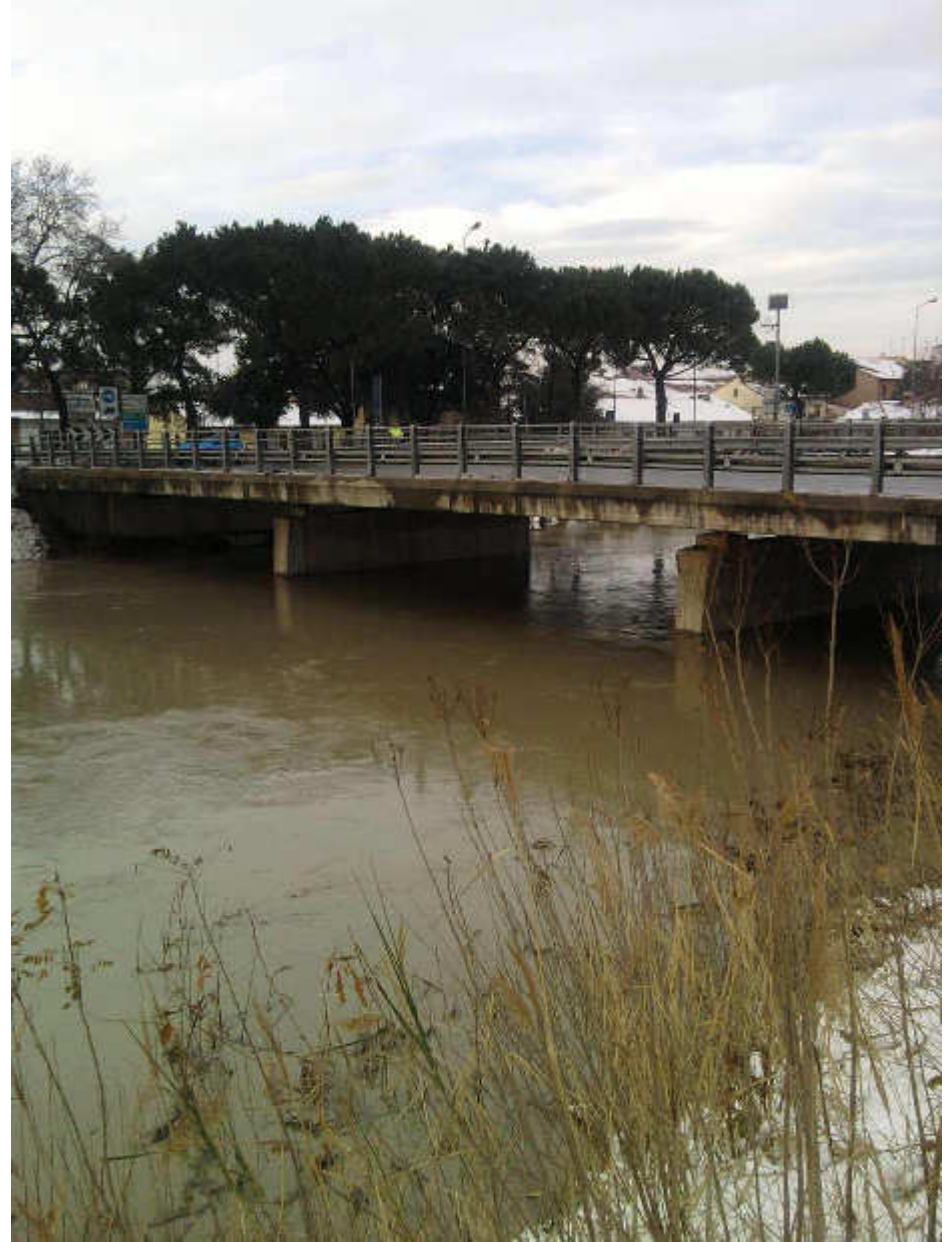
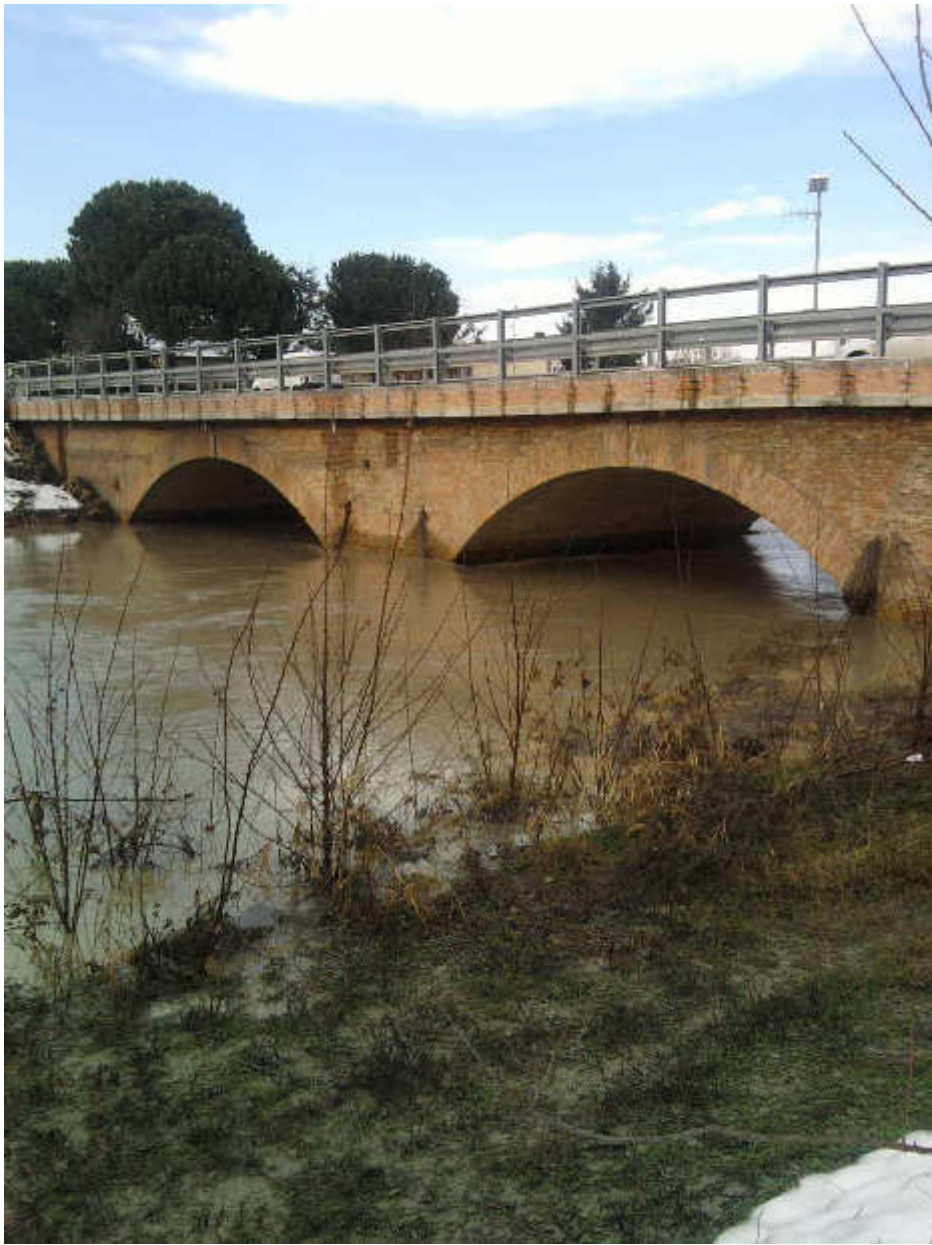






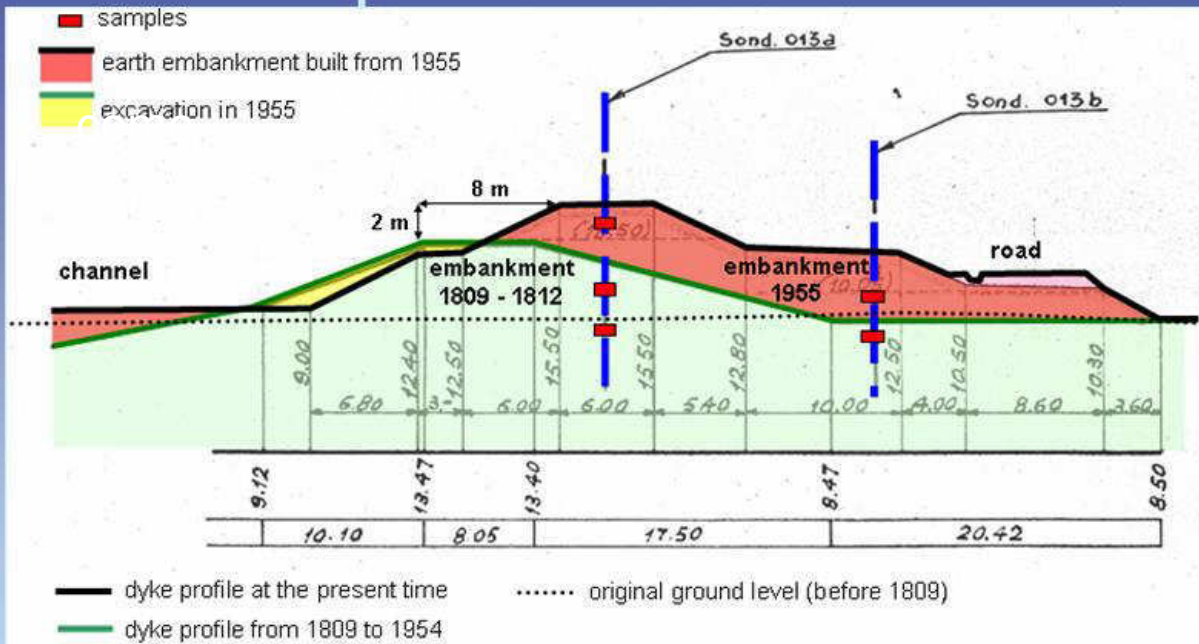












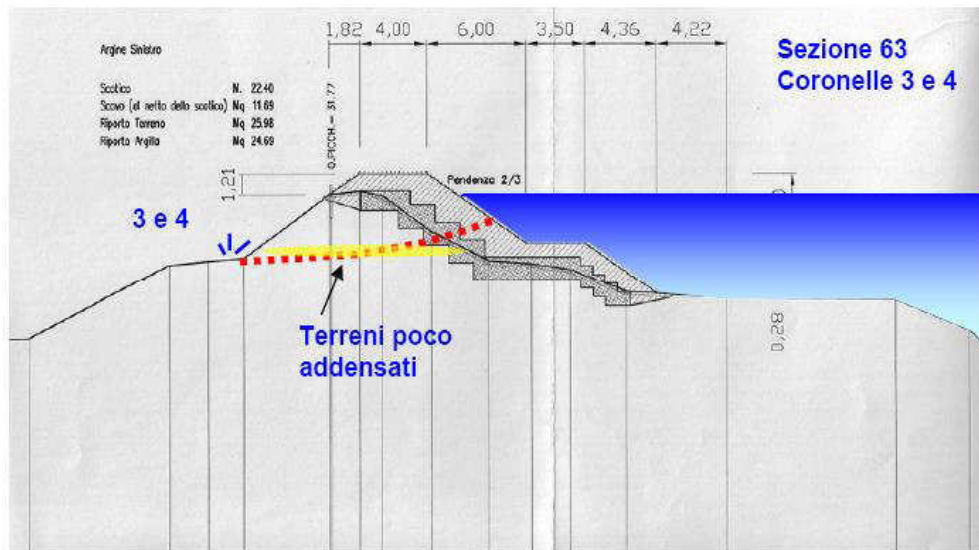
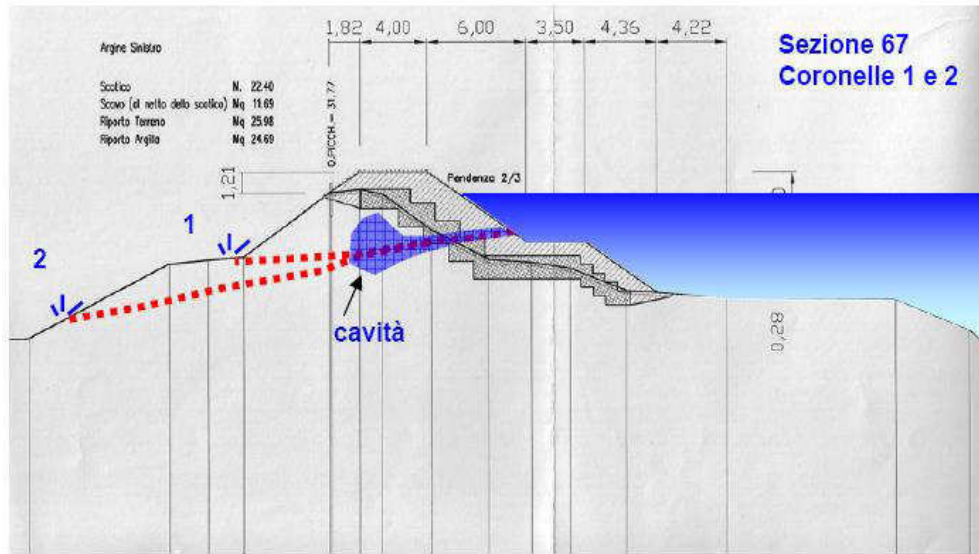
Type	Description	Class (CNR-UNI 10008)	$e_{\alpha}$	st dev	$\gamma_{d \alpha}$	st dev	$w_{n \alpha}$	st dev	$k_{min}$	$k_{max}$
			(-)		(t/m <sup>3</sup> )		(%)		(m/sec)	(m/sec)
A	Embankment (1950-1962)	CL	0.806	0.176	1.522	0.132	25.62	7.930	3.70E-11	3.10E-09
A <sub>old</sub>	Old Embankment (1808-1812)	CL	0.859	0.096	1.492	0.071	26.69	4.169	6.50E-12	6.20E-10
B <sub>2</sub>	Ground under dykes	CL/ML	0.909	0.085	1.442	0.070	28.61	4.606	3.10E-11	5.60E-10
B <sub>3</sub>	Ground under dykes belonging to abandoned channels	SWSP	-	-	-	-	-	-	3.15E-05	6.50E-04
									field	field





# Cause dei Fontanazzi

## Tane di Animali + Discontinuità

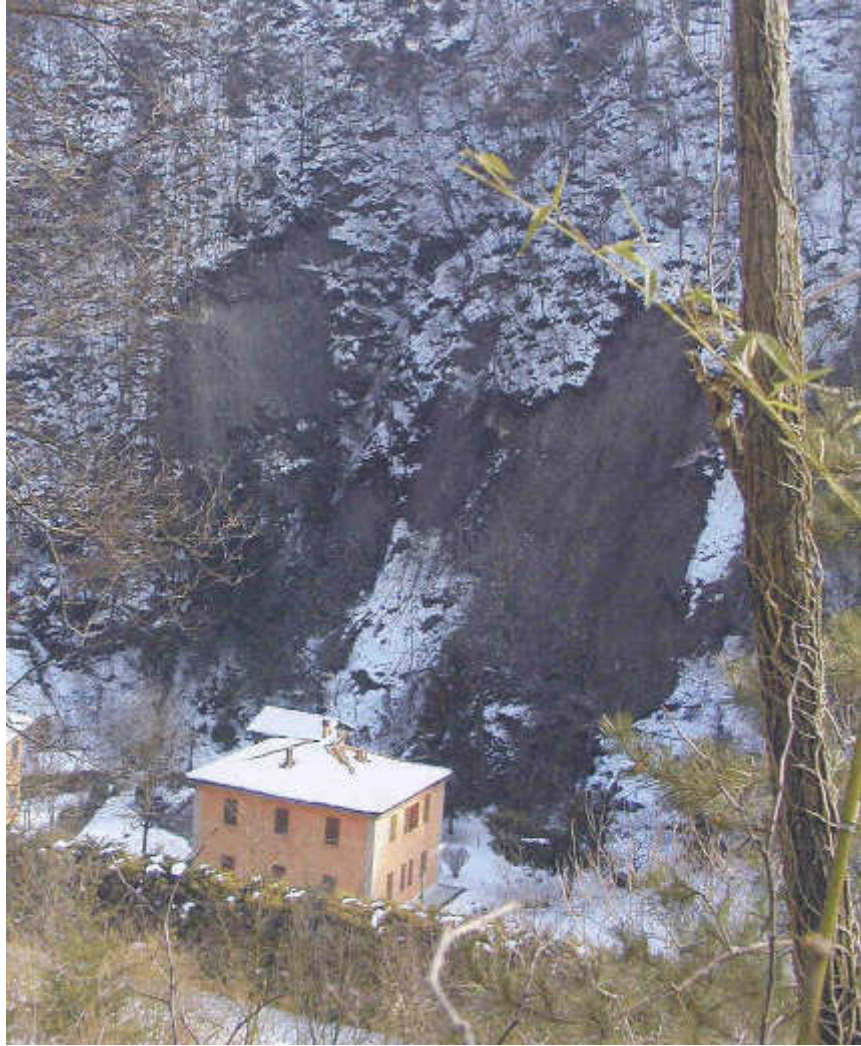








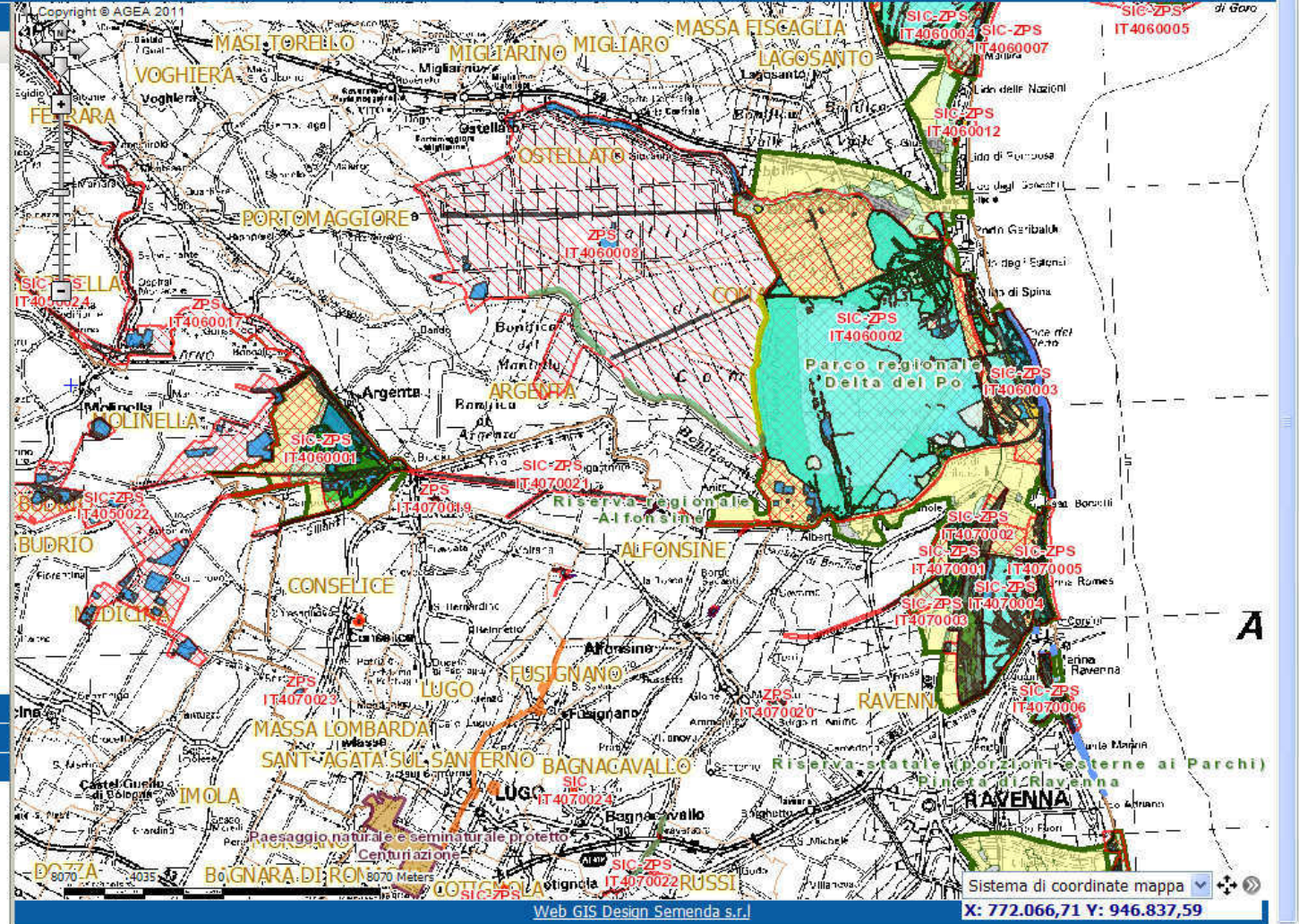






**Cartografia**

- Autoupdate
- Aree protette e Natura 2000**
  - Rete Natura 2000
    - Carta habitat
    - Siti
      - SIC e ZPS regionali
        - SIC
        - SIC-ZPS
        - ZPS
      - SIC (fuori regione)
      - ZPS (fuori regione)
  - Aree protette
    - Parchi e Riserve (limiti)
      - TIPOLOGIA
        - Parco nazionale
        - Parco interregionale
        - Parco regionale
        - Riserva regionale
        - Riserva statale
    - Parchi e Riserve (zone)
    - Paesaggi protetti
    - Aree riequilibrio ecologico
- Cartografia di sfondo**
  - Livelli di base
  - Carta Tecnica Regionale
  - Ortofoto Agea 2011

- Overview >>
- Link >>
- Scala >>
- Scala: 1:250.000


















15.01.2010 14:18









**70%**



**30%**



**100% sn**  
**0% dx**























Multifunzionalità/sostenibilità

Ricerca

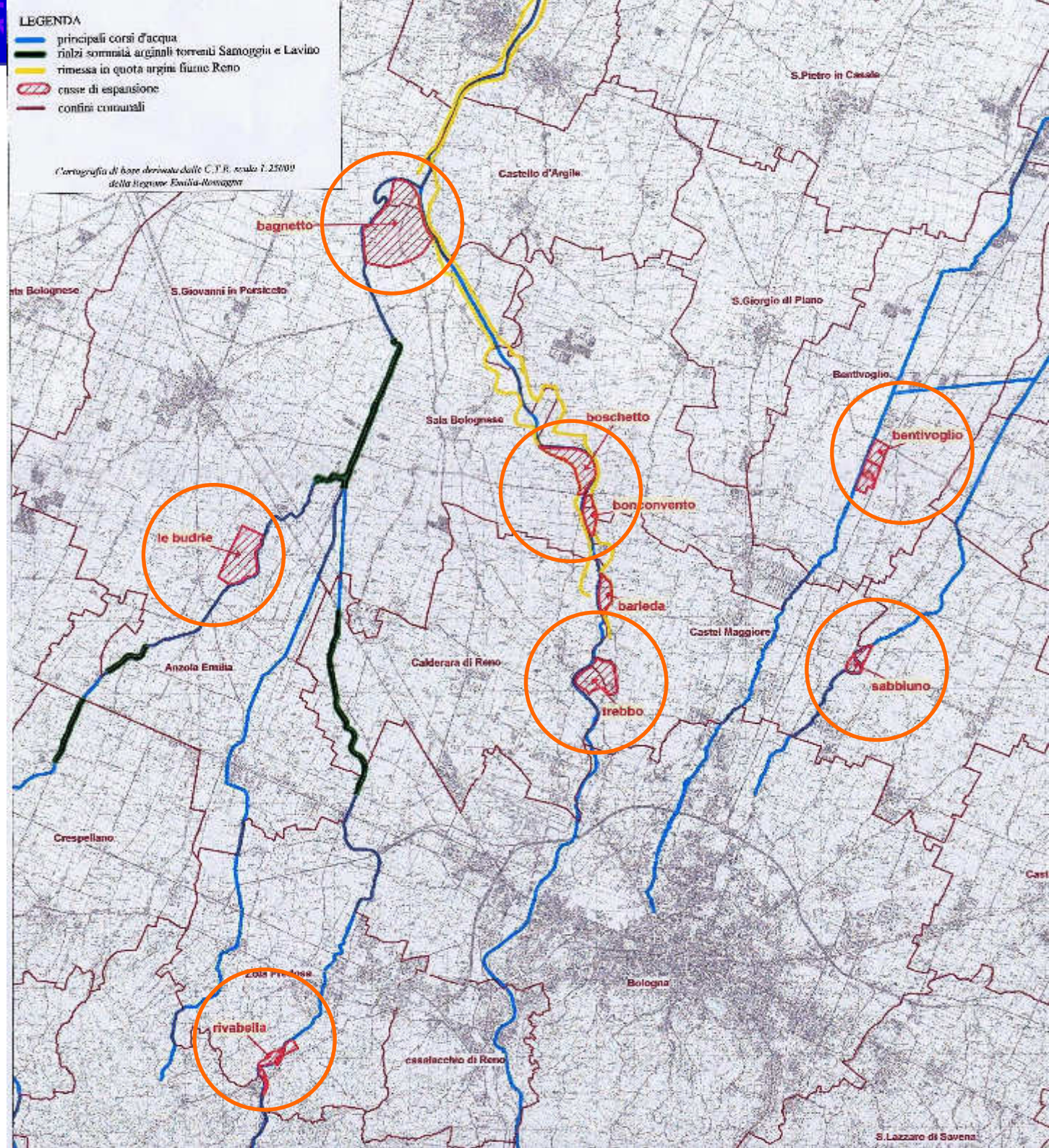
Professionalità

interdisciplinarietà





# Interventi strutturali per il riassetto del sistema idraulico della pianura bolognese:







Grazie per l'attenzione  
[ccavazza@regione.emilia-romagna.it](mailto:ccavazza@regione.emilia-romagna.it)