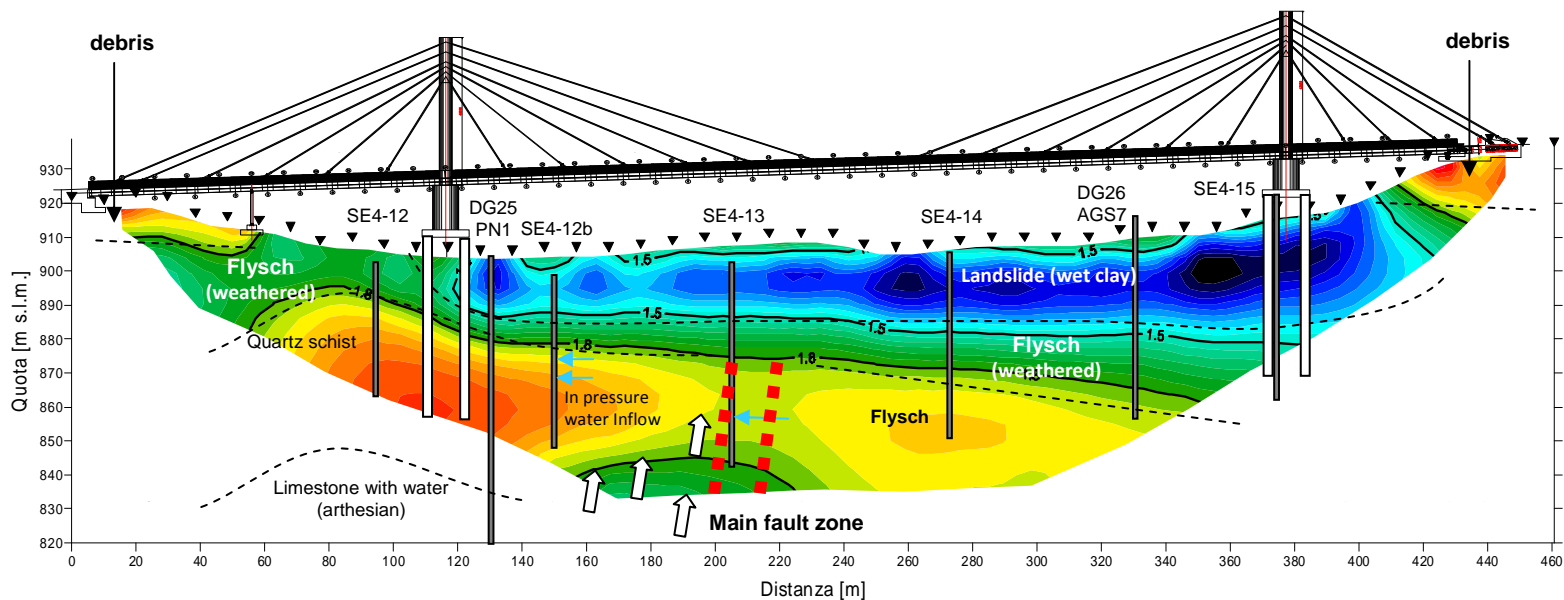


GEOLOGICAL MODELLING FOR CIVIL WORKS GEOELECTRICAL METHOD

Geoelectrical section



Project:

Evaluation of the geological and hydrogeological characteristics along the path of a motorway viaduct (Motorway Salerno-Reggio Calabria)

Survey method:

Multielectrode geoelettrica method (48 elettrodi with spacing between electrodes of 10 m, total length = 470 m). Depth of investigation = 100 m

Scope of hh survey:

- Evaluate the characteristics of a main landslide body (for the design of the pile foundations)
- Define the general geological and hydrogeological model

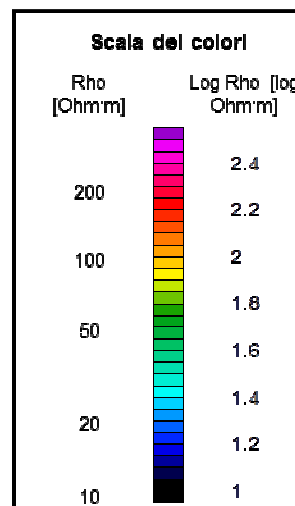
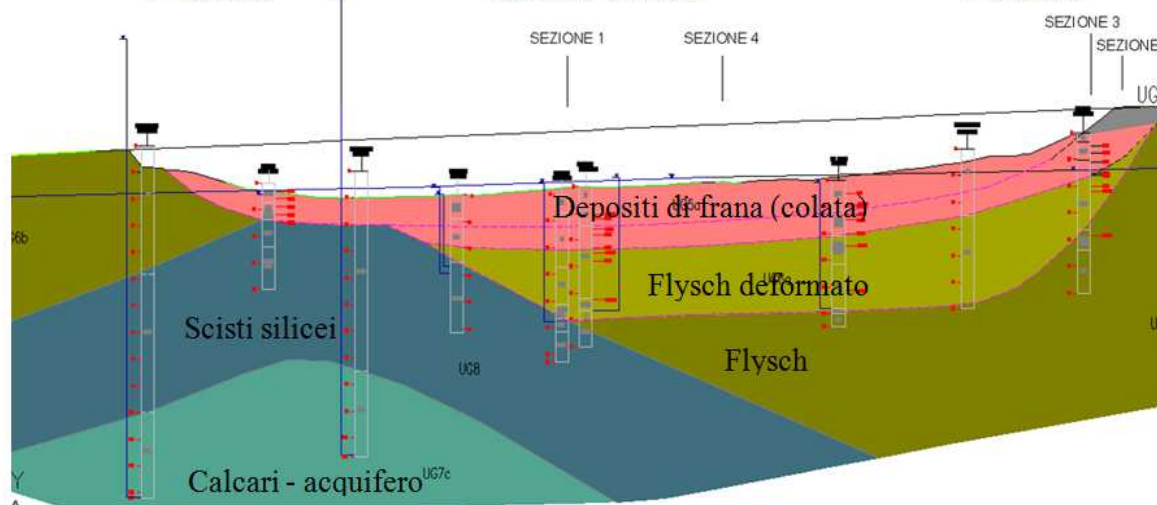
Obtained results:

- Precise definition of the geometry of the landslide
- Location of the main geological contacts, verified with boreholes positioned on the most important geophysical anomalies
- Reconstruction of the hydrogeological model

← lato SA

Viadotto Torbido

→ lato RC



Geological model