

Infiltrometric analyses on unsaturated soils of the Po Plain near Brianza area (Milano district – Italy)

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Infiltrometric analyses made with a single ring infiltrometer was carried out in unsaturated soils of Brianza area (Milano district – Italy) for 100 Km², with over 350 test points.

It's the first time that these types of studies are made in a large area of Northern Italy.

The deep of investigation start from 0 to -600 centimetres, and interests a first layer of agriculture soil (50 cm thick) and Quaternary sediments, remnants of different glacial periods (550 cm thick).

The permeability of these sediments and soils is very different, changing from 10⁻⁴ to 10⁻⁸ cm/sec.

Other analyses were made in order to know the stratigraphic column and the different average of the grain size in the investigated sediments.