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Introduction

Processing workflow

An exemple of a soil property mapping from DC

UR SOLS

Soils are complex media whose properties can have a strong spatial variability. At the field scale when usual practises of characterization, as soil sampling, give only a rough idea on the real in-field variability, non destructive geophysical methods can overcome this difficulty from high density of measurements. These methods are also time-efficient. However data interpretation in term of soil properties is not straightforward. This requires a processing workflow developed here, from a DC dataset.

DC landscape survey sensor

Direct Current (DC) method enables to measure electrical resistivity (ER. ohm m) of soils. Its basic principle relies on an electrical current at low signal frequency generating into soil by electrodes.



which comprises a multi-probe system towed by a cross-country vehicle. It cover a large area in few time and measure field resistivity at high resolution. (ARP patented, Geocarta society, Paris, France)





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