



DESIRE: Monitoring activities and flow connectivity issues in study site, Rendina Watershed (Italy)



Connectivity index model – IC





Fluxes Connectivity Index evidences the effects of the land management practice on sediment production. Prevailing land use of the watershed is wheat crop. The connectivity index is evaluated before and after harvesting (June) when the borders of the fields are ploughed for 5 meters wide.

The monitoring activities let us to identify positive effects on soil erosion and degradation.

Connectivity monitoring and analysis will allow assessing connectivity variation and reduction in connection with SWC at watershed level. (links with WB5)

Shallow mass movements will be evaluated for their on site contribution to degradation – for evaluating their off-site contribution, by and their own degree of connectivity with the drainage network. (WB 5 task 5.2.1) Site Coordinator : Lorenzo Borselli National Research Council Research Institute for Geo-Hydrological Protection (CNR-IRPI) Via Madonna del Piano 10, 50019, Sesto Fiorentino (Florence), borselli @inpl.fi.cnr.it http://www.irpi.fi.cnr.it/borselli.html