

PILOT 2 Fieldworks

The Rio Blanco basin shows the same phenomena of many areas with historical olive tree farming in mountainous regions:

- SOILS are WASHED AWAY by torrential rains
- SEDIMENTS are carried by rivers BUT with a volumetric and mineral composition that does not continuous natural cycles
- TRANSVERSAL BARRIERS like runways and dams for agriculture or old mills catch the gross sediments (sands and gravels) and let the silts flow downstream



CHG, Guadalquivir River Basin Authority identified the Rio Blanco river basin headwaters as a key area to hold Pilot 2 studies due to:

① SEDIMENT TRAP that over the past 20 years have created a beach 150 Km away off the Ocean

② TOPOGRAPHY: mountainous area with steep and unstable slopes and old hydraulic and civil works that might have solved some problems while creating new ones

③ FARMING: excessive plowing in olive tree crops leave the soils with NO GREEN COVERAGE → VULNERABILITY → soils washed away by torrential rains

④ INCISION IN RIVERBEDS with unclear origin (possibly the continuous flows from sewage water treatment plants on intermittent rivers) increase the effects of erosion in rivers and in next by steep slope crops

chain effect

