



CS number: 18 – Ervidel floodplain

Case study cluster: small streams and basins

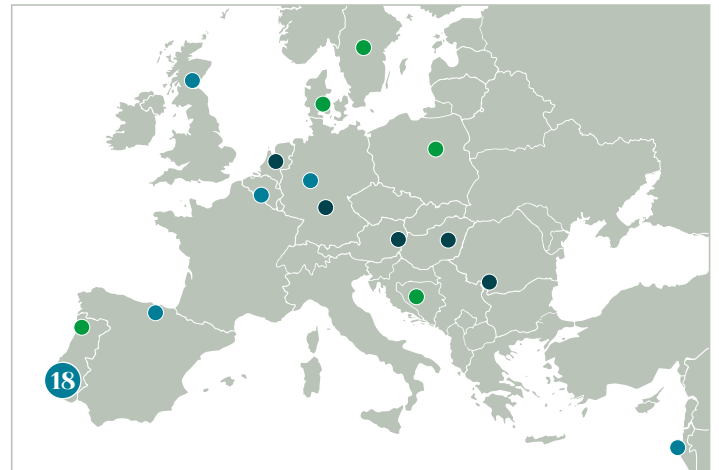
Country: Portugal

Scientific partner: Instituto Superior de Agronomia,
Universidade de Lisboa

Implementation partner: Empresa de
Desenvolvimento e Infraestruturas do Alqueva, S.A.

Twinning case study: CS13 Sorraia floodplain:
similar approaches on riparian restoration

Website: www.edia.pt



Demonstration

- **Type of restoration:** –
- **Size:** floodplain: 337.71 km²; catchment scale: 24.79 km²
- **Location(s):** Barranco do Xacafre
- **Value of the case:** riparian rehabilitation (underwood clearing), planting of native species, sowing of flowering fields, pollinator hotels
- **Stakeholders involved:** farmers of the irrigation valley
- **Sectors involved:** agricultural sector (farmers and land owners)
- **Innovations being applied:** –

Implementation plans

- **Type of restoration:** riparian rehabilitation (planting of native species and weed control), habitat enhancement with nature-based solution structures for pollinators and key-species predators (bats, birds, spiders, carabids), installation of shelter boxes for bats, sowing flower fields and installation of hotels for insect pollinators
- **Size:** approx. 30 ha
- **Scope:** to develop a prototype of ecoscheme contract for irrigation farmland, a monitoring protocol to evaluate restoration efficacy and to propose indicators for agro-environmental certification
- **Vicinity:** rural (Mediterranean floodplain valleys dominated by intensive agriculture and super-intensive olive groves)
- **Stakeholders to involve:** agricultural sector (farmers and land owners)
- **Innovations to be applied:** –