

CREATION OF A WETLAND AREA IN THE BANK OF THE BESÒS RIVER. MONTCADADA I REIXAC. CATALUNYA. SPAIN.

The river Besòs is affected constantly for flooding, his original wide has been reduce due the urbanization of the area and today his banks haven't got riparian vegetation. Due that in the area of Montcada arrives water in good quality and permanent flow from a channel for irrigation has been decide to create a wetland area. This area is interesting for itself and also acts like a dispersal of water plants.

The applied materials are:

- Fiber roll™, rolls structured in fibre and vegetated, installed lengthways of the pond perimeter: they consolidate the margins, protect in front of the erosion and increase the biodiversity.
- Rock roll™, flexible gabions install in the irrigation channel, which runs into the pond. Rock rolls avoid the erosion produced by the waterway.
- Plant plug™, units to vegetate Rock rolls. They improve the pond protection and increase the biodiversity.
- Plant Carpet™, to create two islands inside the ponds with the goal to increase the biodiversity.

The species planted are *Iris pseudacorus*, *Scirpus holoschoenus*, *Typha angustifolia*, *Typha latifolia*, *Juncus implexus*, *Carex pendula*, *Carex vulpina*, *Lythrum salicaria*...

