



Country
France

Client
GIP Loire-estuaire

Date
2005-2007

Cost of works
€156m

Description / Particularities

- Major French estuary affected by considerable human activity.
- Poor water quality (salinity, turbidity) and severely affected environment.
- Awareness of local players of the need to restore the estuary.
- Need to design innovative measures (conventional approaches inappropriate).

Detailed services

- Construction and finalisation of a coupled 3D hydro-sedimentary model (hydrodynamics, salinity, turbidity) of the Loire estuary.
- Historical analysis of changes in the estuary between 1947 and 2002.
- Definition of morphological trend scenario up to the year 2040 and of an alternative scenario (final and phase 1).
- Hydro-sedimentary assessment of the existing situation and of various scenarios.
- Preliminary design of the alternative scenario.