



### Country

France

### Client

Upper Normandy  
Environment Dept /  
Port of Le Havre

### Date

1997-2004

### Cost of works

€40m

### Sogreah's services

- ▶ Design services
- ▶ Assistance to the Owner, Works



### Description / Particularities

- Mitigation of the effects of creating a large new harbour basin at Le Havre reclaimed entirely from the estuary.
- The right bank of the estuary concerned by the scheme is an ecologically sensitive area.
- The project causes disturbance on account of its size but especially by modifying currents.

- Many stakeholders involved (environmentalists, fishermen, hunters, etc.).
- First major public debate nationwide.

### Detailed services

- Mathematical and physical hydro-sedimentary studies.
- Preliminary design of compensatory measures (artificial island for migrating birds, channel in the northern mudflats, modification of embankments, etc.).
- Assistance to the Owner.
- Participation in the works monitoring committee.