

# Development of strategic Options on behalf of the national Maintenance Dredging Programme in France



**Financed by:** Port Autonome de Nantes-Saint-Nazaire and GEODE

**Client:** GEODE

**Date:** 2000 – 2001

**Budget:** € 65 000

**Location:** France: Ports of Marseille, Bordeaux, Nantes Saint Nazaire, Le Havre, Rouen, Boulogne, Calais, Dunkerque

## Assignment:

GEODE is the official working group in charge of the establishment of the maintenance dredging programme for French seaports. Due to the recent environmental constraints, a study to investigate the dredging policies in Europe and in France in order to make recommendations for sustainable and integrated long-term strategy for the maintenance of the maritime access to the major "Ports Autonomes" in France is ordered. The results of the study are integrated into the French dredging policy, which led to a considerable improvement.

## Scope of Services:

- Inventory of all dredging related aspects (including legislation) in 11 ports in Europe and Canada
- Review of (inter)national and local dredging policies and issues/hazards
- Identification of new dredging techniques
- Implementation of creative solutions to support a French national maintenance dredging planning, strategy and programme

## Technical Description:

The first stage of the project consisted in the analysis of the existing dredging options and their critical issues in the ports of Rotterdam, Bremen, Hamburg, London, Zeebrugge, Antwerpen, Barcelona, Genova, Lissabon and the St-

Laurence River. Topics to be investigated in a systematic way are: (maintenance) dredging related legislation in the country, port traffic, dredged volume (last 10 years), quality of dredged material, follow-up of dredging works and dumping sites, organisation of the works, techniques used, future developments, programmes and associated costs.



*Seehausen disposal facility (Bremen): example of treatment and disposal of contaminated dredged material*

Innovative techniques and environmental solutions applicable in dredging applications were also identified and screened.

Based on the available information on the encountered constraints, a comparison was made between the general "European situation" and the French maintenance dredging policy taking into account the new French legislation and the European Directives. Relevant issues were identified during working sessions with the French port authorities, which are confronted with this new legal context.

Based on the European situations and taking into account the French context various solutions, innovative actions measures and recommendations were formulated in order to adapt the actual French dredging policies to the new French legal environment and the latest dredging technologies. Doing so, an integrated management plan was suggested to guide the dredging policy in the French ports.



Soresma nv  
Britselei 23  
B-2000 Antwerpen  
tel. +32 (0)3 221 55 00

Soresma nv - haecon  
Poortakkerstraat 41  
B-9051 Gent  
tel. +32 (0)9 261 63 00

Soresma sa  
Chaussée de Louvain 484  
B-5004 Namur  
tel. +32 (0)81 20 18 91

info@soresma.be  
www.soresma.be  
Dr. ir. Marc Huygens  
Contract Manager