



Estuaries, Industrialisation & Contingency Planning

12th Information day of *Cedre*

Accidental pollution of inland and estuarine waters

Thursday 22 March 2007





Katja, 1997

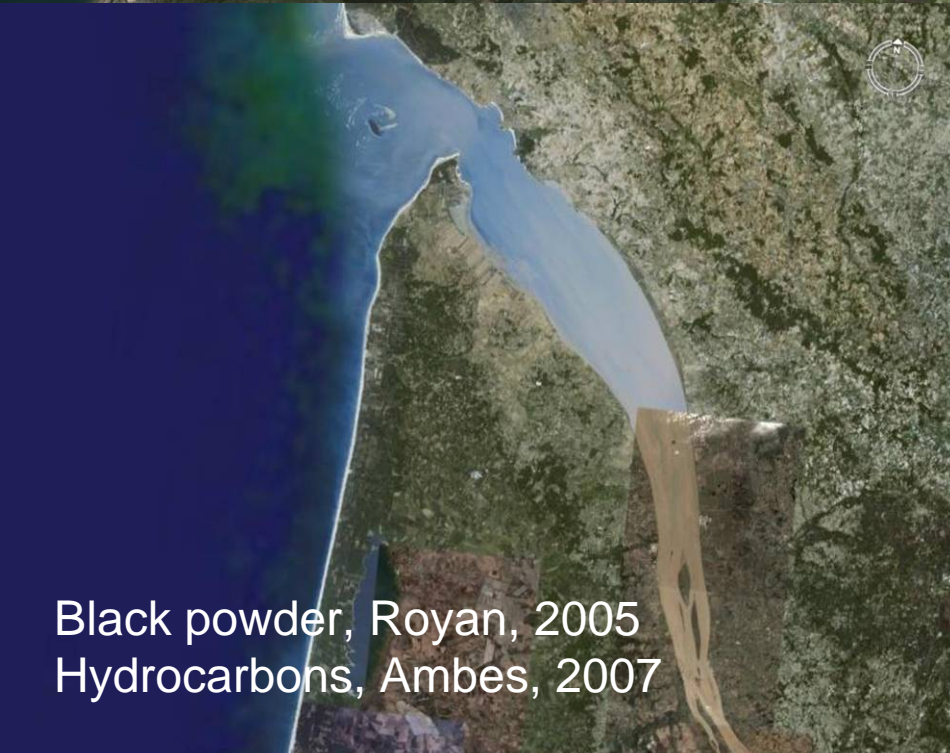
Vitoria / Fuyoh Maru, 1987



Happy Bride / Sigmagas, 2006

New Wisdom, 2004

Loire, bras de La Taillée, Donges, 2003



Black powder, Royan, 2005

Hydrocarbons, Ambes, 2007



Lyria, 1993

Definition

- Estuary, from the Latin *aestuarium*, meaning a place reached by *aestus*, the tide.

Mod. Regions of interaction between rivers and nearshore ocean waters, where tidal action and river flow create a mixing of fresh water and saltwater. These areas may include bays, mouths of rivers, salt marshes, and lagoons.

Source: Environment Canada's online glossary

A place of meetings, contacts, exchanges and merging, but also of separation

- Land and sea, territory and powers...
- Fresh water and seawater
- Richness and diversity of living resources
- Sensitivity and vulnerability
- Human, industrial and urban pressure
- Multiple risks of pollution
- Continuity of transport or intermodal transfer
- Origins, location and mobility of pollutants
- ...



Nature, threatened and rivalled, needs protected

High sensitivity, therefore requiring care and attention

... the public domain (... navigable rivers, shores and foreshores, ports, harbours, firths, etc.) ... delivered ... to abusive degradation and a vicious administration ... would have soon been annihilated, if the continual losses had not been repaired in different ways...

(Order of the Assemblée nationale of 22 November 1790)

Contingency planning:

➔ **2 convergent strategies**

- **Polmar planning**

- **"Industrial" planning**

➔ **perfectible coherence**

Bridging the gap between different viewpoints...



"Industrial" planning and civil security

- Port and river plans
- Inland water specialised contingency plans
- PPI - special response plans
- Internal emergency plans & annexed river or maritime plans
- Pipeline plans
- Communal rescue plans

Polmar planning

- **Polmar Sea Plans**
- **Polmar Land Plans**
- **Infra Polmar Plans:**
 - **communal**
 - **or, for preference, intercommunal**

Coherence studies of plans conducted by *Cedre*:

- In the Basse - Seine region (1994):
"Assessment of the coherence of
pollution response plans"
- In the Fos - Berre - Marseille area (2001):
" Assessment of response plans"

➡ Very varied ways forward:
organisation, knowledge and observation
sites, emergency communication, etc.



Thank you for your attention