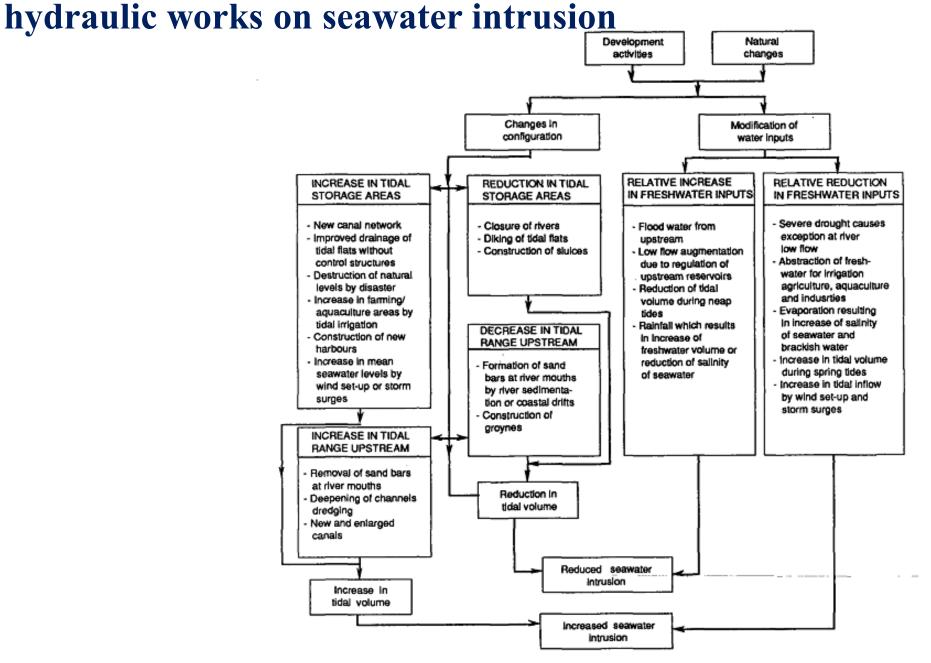
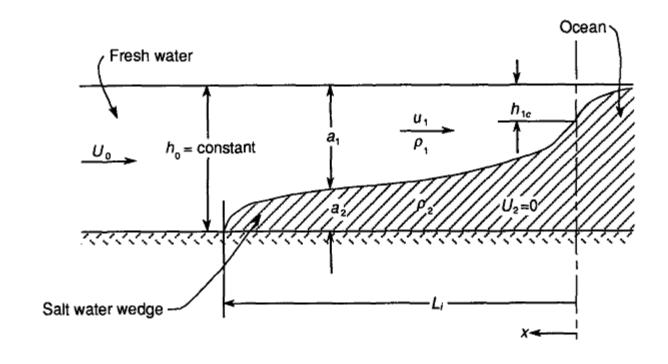
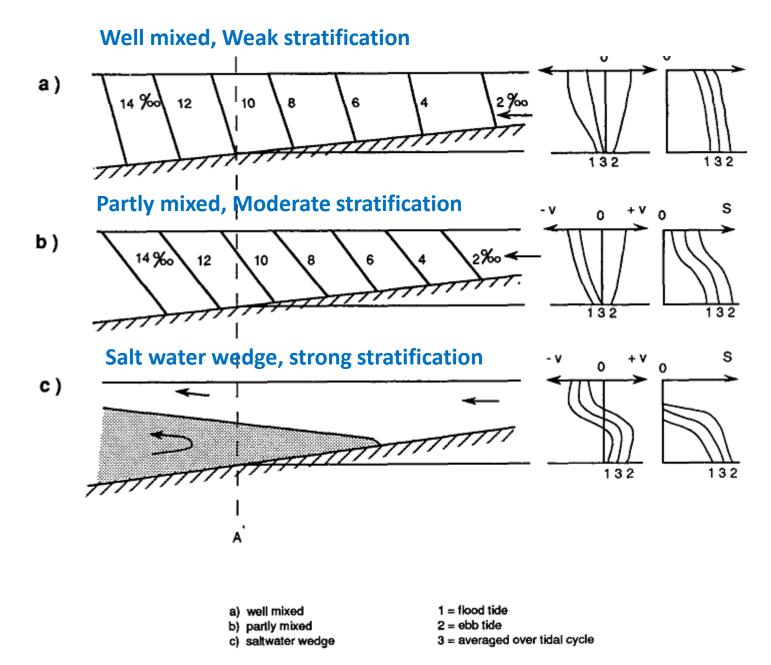


Possible impacts of natural changes and

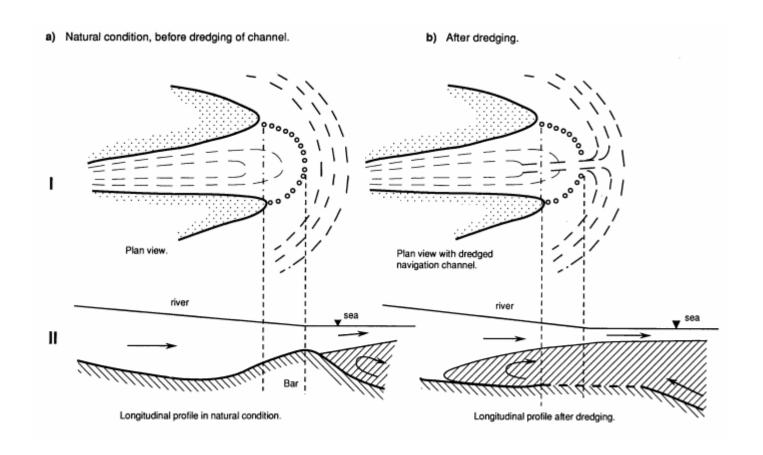


#### Stratification of estuaries



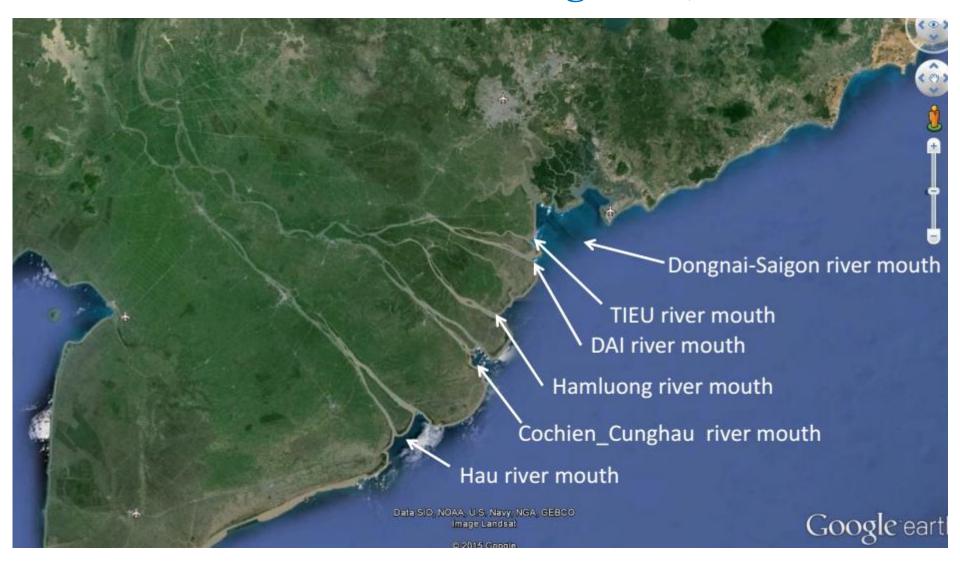


## **Example: Salt intrusion increase** due to dredging canal

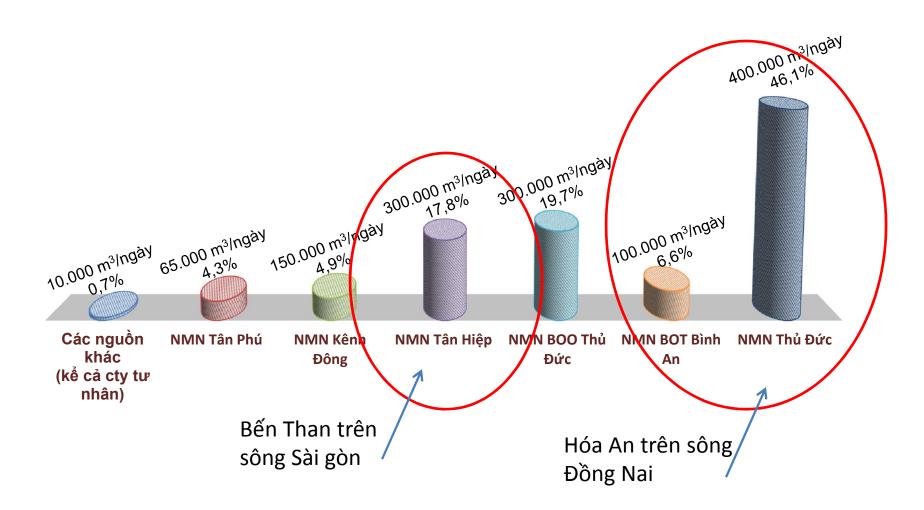


# Possibilities of Balance Island for Salt intrusion reduction in Mekong delta, Vietnam

#### River mouths in the Mekong delta, Vietnam

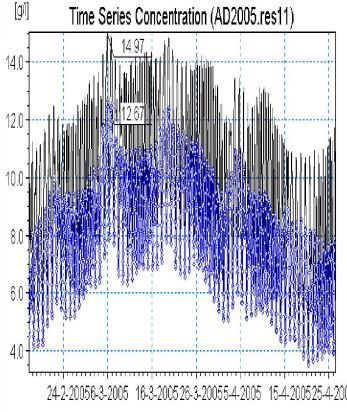


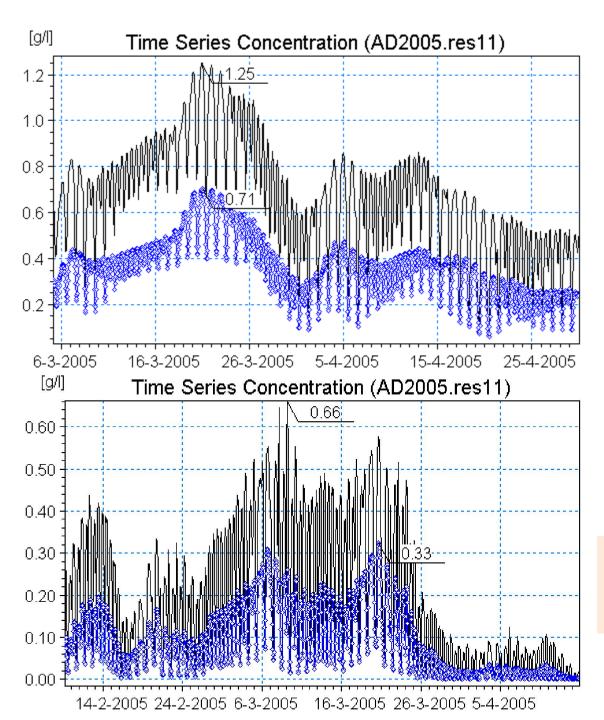
#### **Existing Water supply for Hochiminh city**





Saline reduction at river mouth due to Banlance Islands



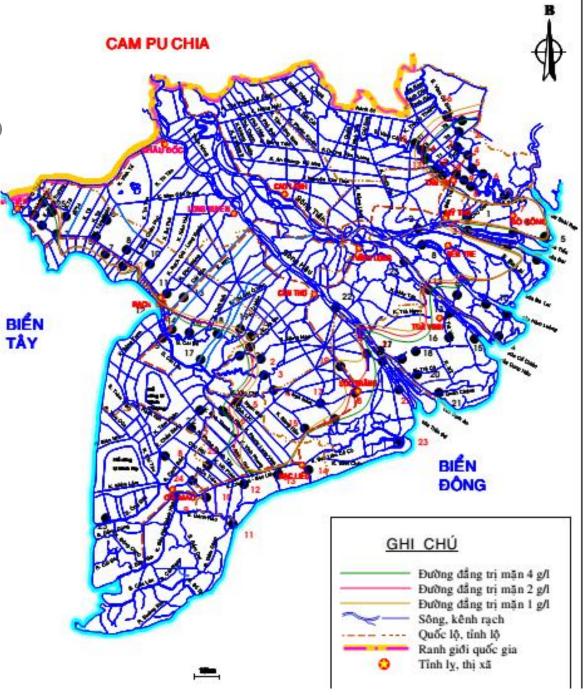


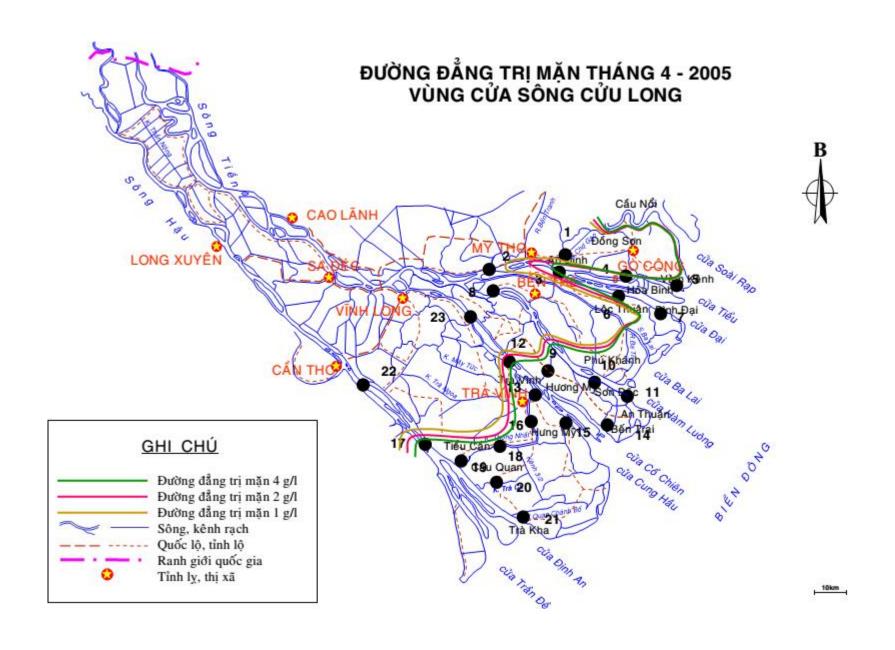
## Saline reduction effects

Saline reduction at water supply station of Benthan on the Saigon river

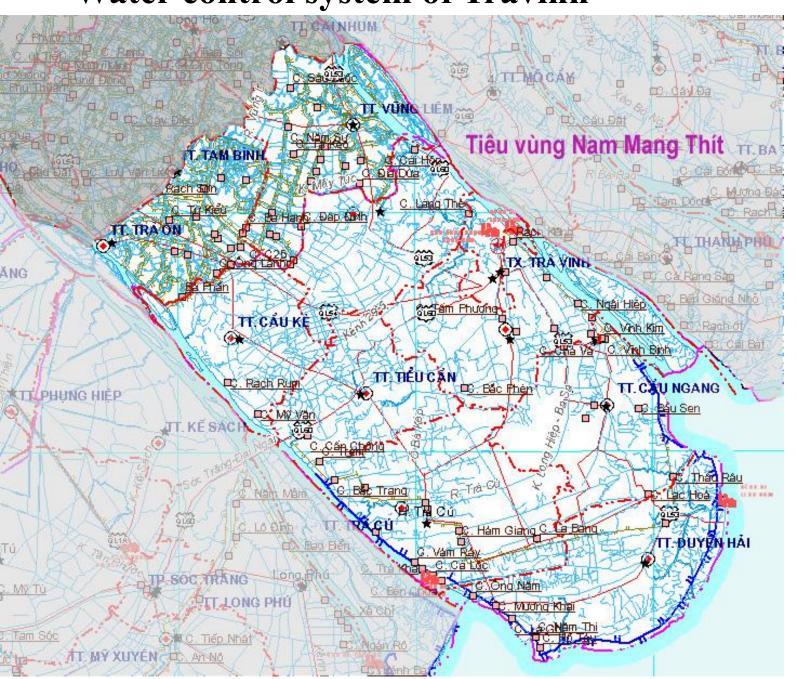
Saline reduction at water supply station of Hoaan on the Dongnai river

Salt intrusion into Mekong delta (2005 April)

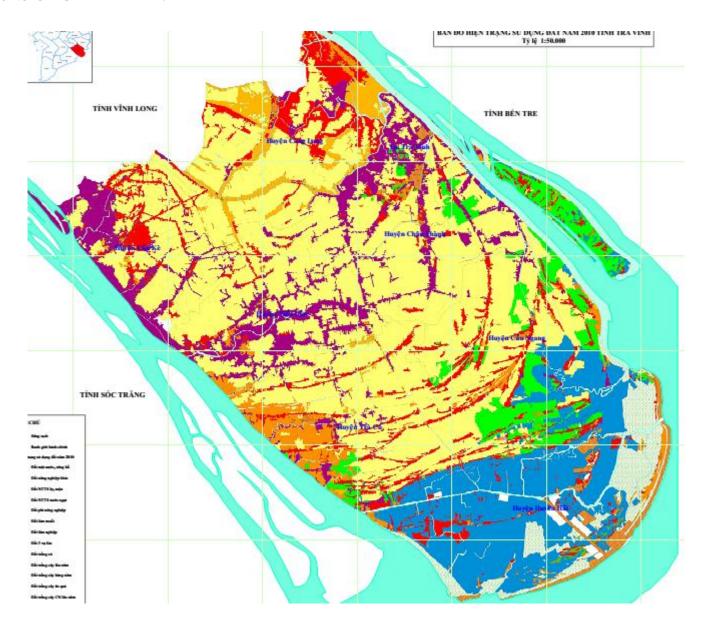




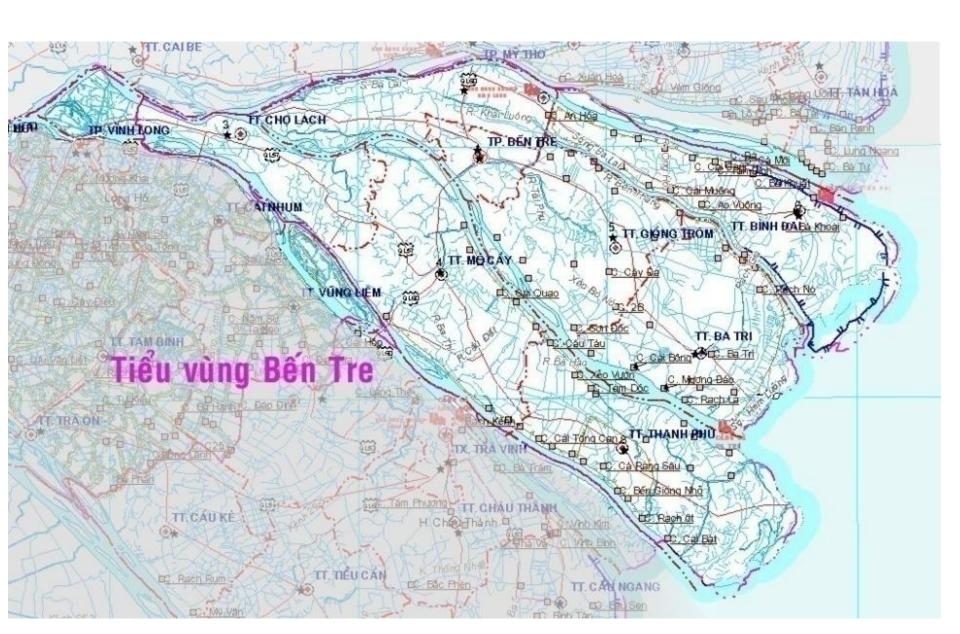
#### Water control system of Travinh

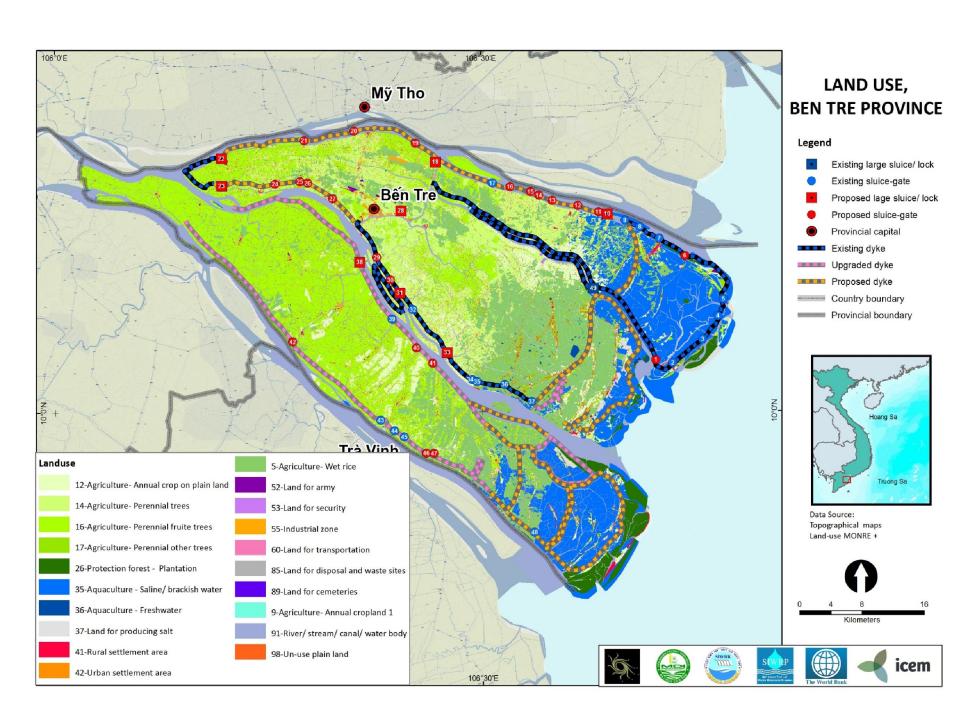


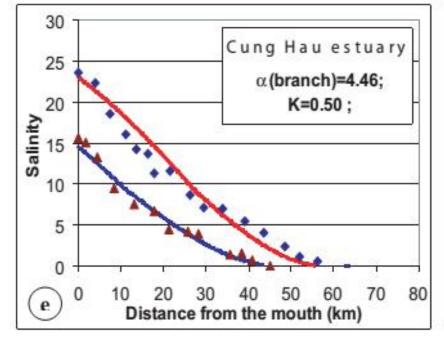
#### **Land use of Travinh**

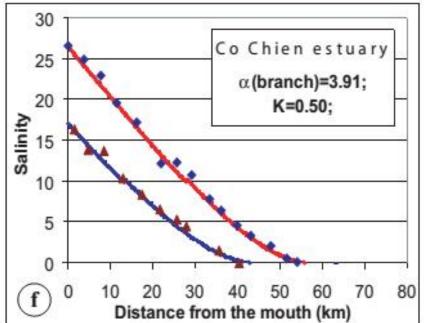


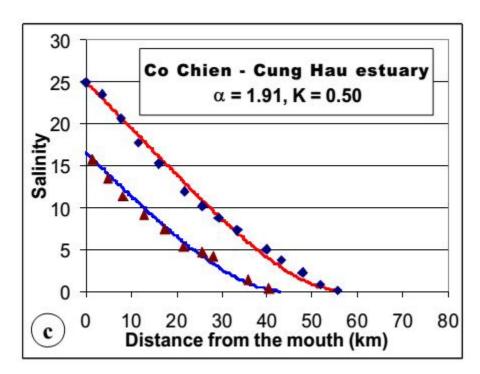
#### Water control system of Bentre









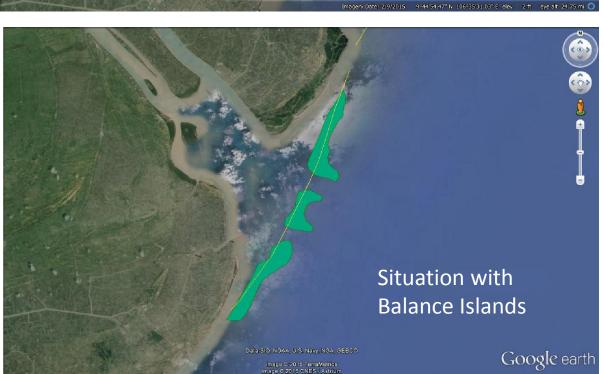


## Salt intrusion into Cochien-Cunghau river mouth

A. D. Nguyen and H. H. G. Savenije



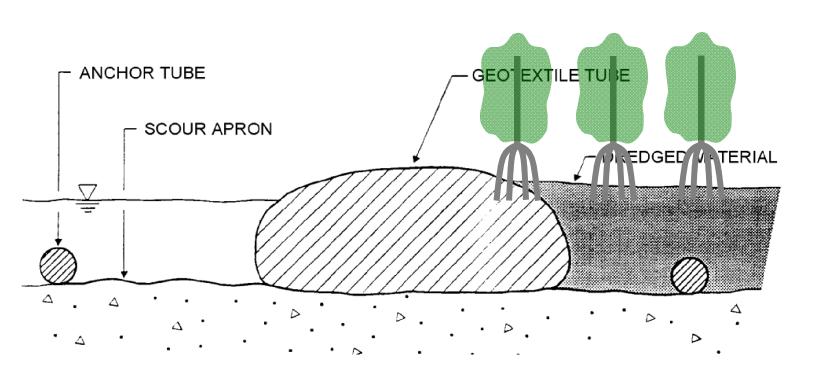
# Possibility for Balance Island in Cochien-Cunghau







## How to build balance islands on river mouths? an example for construction measure





Geo-tubes and geo- containers constructions







#### **Built as Nature**







### **Expected Ecosystem** on Balance Islands







#### Study needs

- Needs for salt water reduction
- Location, size, shape of islands for the location of river mouths
- Measures for design and construction
- \*Effects of island (economic, environmental, social...)

- Impacts of islands on environment
- Impact on navigation
- Impact on sedimentation