

INSTALL JETTIES

OBJECTIVE

Protect and delimit navigation channels.

DESCRIPTION

A jetty platform on wooden or concrete piles built into the sea to protect a navigation channel and it allows the berthing of ships. It usually does not have a shore protective function (which instead breakwaters do). Parallel jetties are frequently built to delimit a navigation channel. Jetties will affect longshore transport of sediment and ecological processes. Jetties can be constructed with concrete, stone, timber or steel. Jetties are not usually adaptation measures per se but may relate to seawalls or other hard coastal defence structures.

EXPECTED RESULTS

Enough depth for navigation guaranteed.

RESULT INDICATORS

Length of jetties [m]

INVOLVED ACTORS

National and local government, beach management authorities.

EXPECTED TIMELINE FOR ACTION

- Long term (> 10 years)

BEST PRACTICES

CRITICALITIES

High costs for realisation, landscape can be negatively affected by jetties.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Grey

SECTOR OF ACTION

- Coastal management
- Urban settlement

CLIMATE IMPACTS

- Coastal erosion
- Extreme precipitation
- Floods

IMPLEMENTATION SCALE

- Association of municipalities
- Municipality
- Province

SOURCE

<https://climate-adapt.eea.europa.eu/metadata/adaptation-options/seawalls-and-jetties>