

FLOATING AND AMPHIBIOUS HOUSING

OBJECTIVE

Built to be situated in a water body and designed to adapt to rising and falling water levels.

DESCRIPTION

Floating houses are permanently in the water, while amphibious houses are situated above the water and are designed to float when the water levels rise. Floating or amphibious houses adapt to rising water levels, they are very effective in dealing with floods. Living on water can also reduce the negative effects of heat, and may improve the quality of life of residents, who like to live on or near water.

EXPECTED RESULTS

Damage caused to houses located near water bodies, as a result of flooding or overflow events, reduced.

RESULT INDICATORS

Economic damage reduction [€]

INVOLVED ACTORS

Authorities (Municipalities and water boards), citizens, NGOs, service providers, architects, engineers/contractors.

EXPECTED TIMELINE FOR ACTION

- Long term (> 10 years)

BEST PRACTICES

- Netherlands

CRITICALITIES

The ground price is a determining factor.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Grey

SECTOR OF ACTION

- Agriculture / Forests / Land use
- Urban settlement

CLIMATE IMPACTS

- Extreme precipitation
- Floods
- Other

IMPLEMENTATION SCALE

- Municipality

SOURCE

<https://climate-adapt.eea.europa.eu/metadata/adaptation-options/floating-and-amphibious-housing>