CONSTRUCTION OF BUILDINGS IN FLOOD PRONE AREAS

OBJECTIVE

To guarantee the hydrogeological and hydraulic safeguard of already built areas or improve the pre-existing conditions.

DESCRIPTION

The construction actions in areas subject to hydraulic risk must include hydraulic compatibility measures that include the disposal of rainwater through the creation of reservoir and lamination systems; construction of adequate rainwater drainage systems for paved areas; construction of sewer and disposal lines; prohibition of covering waterways.

EXPECTED RESULTS

Reduced vulnerability of buildings to flood damage not only due to climate change in already critical inhabited areas but also to ordinary events.

RESULT INDICATORS

Volume of stored or drained water [m^3]
Disposal lines [m^2]

INVOLVED ACTORS

Local stakeholders, local population, local government.

EXPECTED TIMELINE FOR ACTION

- Medium term (5-10 years)

BEST PRACTICES

- Unione dei Comuni Medio Brenta – Veneto Region - Italy
- Lombardia Region – Italy
- Tuscany Region – Italy
- Lombardia Region – Italy
- New South Wales – Australia

CRITICALITIES

Difficulties in understanding and implementing the legislation regulating the construction sector; limitation in land use.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Grey
- Soft

SECTOR OF ACTION

- Urban settlement
- Water resource management

CLIMATE IMPACTS

- Extreme precipitation
- Floods

IMPLEMENTATION SCALE

- Association of municipalities
- Municipality

SOURCE

https://www.venetoadapt.it/wp-content/uploads/2020/03/Del%20A2%20-%20VenetoADAPT%20Adaptation%20State%20of%20the%20art%20assessment.pdf