USE OF RAINWATER

OBJECTIVE

Collect rainwater.

DESCRIPTION

A catchment for rainwater is advised per house/block of apartments (individual rainwater tanks). Usually, rainwater can be used where drinking water is not required, like for toilets, washing machines and for external uses like for car washing and watering.

EXPECTED RESULTS

Buffering of rainwater on the level of individual plots to prevent flooding during more severe rainwater events (impact on city quarter level, city level and regional level); buffering of rainwater as reserve for periods of drought and sustainable water use; reduction of drinking water consumption.

RESULT INDICATORS

Volume of collected water [m^3]
Volume of saved drinking water [m^3]

INVOLVED ACTORS

Municipality, technicians, builder, citizens.

EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

BEST PRACTICES

- Ieper – Belgium
- UK
- Treviso – Veneto Region – Italy
- Unione dei Comuni Medio Brenta – Veneto Region – Italy

CRITICALITIES

Contamination of rainwater (bird faeces, leaves).

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Grey

SECTOR OF ACTION

- Water resource management

CLIMATE IMPACTS

- Drought
- Extreme precipitation
- Extreme temperatures
- Floods

IMPLEMENTATION SCALE

- Municipality
- Region / Country

SOURCE

http://www.future-cities.eu/fileadmin/user_upload/pdf/FC_AdaptationCompass_Supplement_web.pdf
https://www.venetoadapt.it/wp-content/uploads/2020/03/Del%20A2%20-%20VenetoADAPT%20Adaptation%20State%20of%20the%20art%20assessment.pdf