

GREEN ROOF AND WALLS

OBJECTIVE

Keep a constant indoor temperature of buildings.

DESCRIPTION

Roofs or walls covered with plants.

EXPECTED RESULTS

Summer air conditioning and winter heating; greater decentralized water retention; improvement of air quality and microclimate in city districts; decrease of the heat island effect.

RESULT INDICATORS

Percentage of solar energy reflection [%]

INVOLVED ACTORS

Builders and buyers.

EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

BEST PRACTICES

- Nijmegen and Latenstein Tiel – Netherland; Ieper – Belgium
- Unione dei Comuni Medio Brenta – Veneto – Italy
- Veneto Region – Italy
- Apulia Region – Italy
- Apulia Region – Italy

CRITICALITIES

Funds, investors approval.

SCOPE OF THE ACTION

- Adaptation
- Mitigation

TYPE OF PROPOSED ACTIONS

- Green

SECTOR OF ACTION

- Public health
- Urban settlement
- Other

CLIMATE IMPACTS

- Extreme precipitation
- Extreme temperatures

IMPLEMENTATION SCALE

- Municipality

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>