

## 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](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>