# INFILTRATION OF RAINWATER

### **OBJECTIVE**

Maximize run-off of rainwater.

## **DESCRIPTION**

Restriction of pavements and building areas of individual building plots, use of specific pavement materials that are water permeable. The effectiveness of infiltration has to be specifically calculated for each project, depending on soil type, groundwater level, amount of paved areas.

### **EXPECTED RESULTS**

Reduced risk of flood, reduced risk of running dry of the surface during drought periods.

### **RESULT INDICATORS**

Area of water permeable pavements [m<sup>2</sup>]

## **INVOLVED ACTORS**

Citizens, urban technicians, engineers, builders, specialists in natural resources.

### **EXPECTED TIMELINE FOR ACTION**

• Short term (1-4 years)

### **BEST PRACTICES**

- leper Belgium
- Unione dei Comuni Medio Brenta Veneto Region Italy
- Veneto Region Italy
- Veneto Region Italy

# **CRITICALITIES**

Lack of space.

## **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

## **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

