

## ADAPTATION OF THE URBAN WATER SPACE-FLOWING

### OBJECTIVE

Presence of open water elements in the urban environment with flowing water.

### DESCRIPTION

Adaptation of the territory to create new courses, or maintenance, or course deviation of flowing water like rivers and streams. It can be combined with recreational public space.

### EXPECTED RESULTS

Cooling and preventing heating up, buffering and drainage of rainwater, flash flood reduction, improvement of biodiversity.

### RESULT INDICATORS

Volume of flowing water [m<sup>3</sup>]

### INVOLVED ACTORS

Public administrations, urban settlers, technicians, builders.

### EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

### BEST PRACTICES

- Kamen – Germania
- Nijmegen – Paesi Bassi
- Tiel – Paesi Bassi
- Regione Puglia – Italia

### CRITICALITIES

The costs vary according to size and complexity of the measure; acceptance of neighbours may not be very high as they are afraid of littering, noise, and smell of the water body and surroundings. Moreover, it could cause flooding or accidents itself and could cause conflicts with other urban users for the available space.

### SCOPE OF THE ACTION

- Adaptation

## TYPE OF PROPOSED ACTIONS

- Grey
- Green

## SECTOR OF ACTION

- Biodiversity / Conservation of ecosystems
- Energy
- Public health
- Urban settlement
- Water resource management

## CLIMATE IMPACTS

- Change or loss of biodiversity
- Extreme precipitation
- Extreme temperatures
- Floods

## IMPLEMENTATION SCALE

- Association of municipalities
- Municipality
- Region / Country

## 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)