# SUSTAINABLE GENERATION OF ELECTRICITY

## OBJECTIVE

To use of renewable energy sources.

## DESCRIPTION

Implementation of solar, wind, biomass/biogas, hydro systems.

## EXPECTED RESULTS

Use of renewable energy sources. Response to the expected higher demand for cooling of buildings in summer and limitation in the use of air conditioning systems based on fossil energy; greenhouse gas emission reduction; reduction of dependency on fossil or nuclear energy sources like gas, oil, coal or uranium.

## RESULT INDICATORS

Energy production from renewable sources [J]

## INVOLVED ACTORS

Municipality, renewable energy specialist, builders, buyers.

## EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

## BEST PRACTICES

- Copenhagen – Denmark; Tartu – Estonia; Paris – France; Brescia – Italy; Barcellona – Spain; Stockholm – Sweden
- Treviso – Veneto – Italy
- Padova – Veneto – Italy
- Vicenza – Veneto – Italy
- Friuli Venezia Giulia Autonomous Region – Italy
- Marche Region – Italy
- Pesaro – Marche Sub-region – Italy
- Fermo – Marche Sub-region – Italy
- Brindisi – Apulia Sub-region – Italy

## CRITICALITIES

Solar panels could be contradictory with green walls and roofs; development is subjected to a complex process; lack of know-how of building and maintaining services.

## SCOPE OF THE ACTION

- Adaptation
- Mitigation

## TYPE OF PROPOSED ACTIONS

- Grey

## SECTOR OF ACTION

- Energy
- Public health
- Urban settlement
- Other

## CLIMATE IMPACTS

- Extreme temperatures
- Other

## IMPLEMENTATION SCALE

- Association of municipalities
- 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