

## NATURAL SCREENS

### OBJECTIVE

Integrate climate change into mitigation and/or adaptation strategies and programs (climate proofing).

### DESCRIPTION

The action consists of use of natural screens near buildings and especially near south-facing walls and windows. A passive system example is the use of deciduous trees. Thanks to the foliage of the trees, these perform a solar control function in summer since it is possible to reduce the passage of sunlight; while, thanks to the lack of leaves during the winter season, the sun's rays can reach the walls and windows. With trees, a reduction of heat inside the building is thus obtained in the summer, without causing an increase in heating demand in winter.

### EXPECTED RESULTS

Control of the indoor building's temperature.

### RESULT INDICATORS

Number of trees planted.

### INVOLVED ACTORS

Builder and buyer.

### EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

### BEST PRACTICES

- Hamburg - Germany
- Stuttgart - Germany
- Milano - Italy

### CRITICALITIES

Climate-proof buildings are more expensive and more difficult to implement and maintain than standard building practices.

### SCOPE OF THE ACTION

- Adaptation
- Mitigation

## TYPE OF PROPOSED ACTIONS

- Green

## SECTOR OF ACTION

- Agriculture / Forests / Land use
- Urban settlement

## CLIMATE IMPACTS

- Extreme temperatures

## IMPLEMENTATION SCALE

- Municipality

## SOURCE

<http://www.iuav.it/SISTEMA-DE/Archivio-d/approfondi/progettare/06-scheda-Papadakis-Tsamis.pdf>