

The Urban Adaptation Support Tool



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Created by: European Environment Agency
<https://climate-adapt.eea.europa.eu/knowledge/tools/urban-adaptation>
Language: English
Low level of expertise required

The Urban Adaptation Support Tool guides European adaptation decision-makers and practitioners in cities through the main steps of the climate adaptation process. The tool is based on the adaptation policy cycle, and highlights the key issues to be considered when planning and implementing adaptation. The six steps of the Tool help to prepare ground for adaptation, understand the risks and vulnerabilities to current and future climate hazards, identify and assess adaptation options, develop and implement a climate change adaptation strategy and/or action plan and monitor the results of the adaptation action.

Challenges addressed

- Heat stress and heat island effect
- Drought and fire risk
- Flood risk

Type of tool

- Data
- Map visualization
- Case studies

Outcomes

A comprehensive overview of the current and projected climate impacts in European cities.

Uses

Decision-support and context analysis tool.

Examples of application

Isar-Plan – Water management plan and restoration of the Isar river, Munich (Germany)

Flood risk and restoration in the Isar river in the city of Munich. The objective was to improve flood control, biodiversity and recreational quality. They implemented the following solutions: Rehabilitation and restoration of river and floodplains improving functional connectivity of ecological networks and green space and corridors in urban areas.

Scale

- National
- Local

Location

European cities.

Scope

Urban and rural.

Advantages

Comprehensive and clear guidelines that guide the user through different steps of planning, implementing and assessing climate adaptation plans.

Constrains

It is a general guideline for climate change adaptation that does not expand on NBS. However, the risk and vulnerability assessment and monitoring guidance can be adapted to the planning, implementing, and assessment of NBS.