Toolbox and Resource Library

CITIESADAPT

Welcome to GIZ CitiesAdapt's Toolbox and Resource Library!

This is a supporting document produced to complement CitiesAdapt's publication "**Future-Proofing Our Neighbourhoods: Your How-to Guide on Hyper-Local Climate Adaptation Measures**".

Here you will find inspiration and additional materials to accompany you in the implementation of CitiesAdapt's approach.

Whenever you see the icon ⬇, that means you can find the mentioned document or a template in our repository. Please click following link to **download** it:

https://www.international-climate-initiative.com/PUBLICATION1981

Supported by:

Federal Ministry for Economic Affairs and Climate Action

Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection

on the basis of a decision by the German Bundestag

IKI INTERNATIONAL CLIMATE INITIATIVE

Implemented by:

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Step 1: Project Preparation

Tool 1:
Remote Sensing Tool

The Remote Sensing Tool is a web-based and user-friendly application within Google Earth Engine (GEE) that can be used for:

- **Spatial planning:** Supporting informed decisions and policies in urban and regional development.
- **Identifying heat islands** to assess where to implement adaptation strategies.
- **Environmental monitoring:** Tracking environmental changes and trends over time, such as decreases of the green mass in relation to the urban fabric.
- **Education and outreach:** Enhancing educational resources and public awareness.

https://getsatellitedata.users.earthengine.app/view/citiesadapt

Tool 2:
Slide deck on climate change and adaptation

This PowerPoint Presentation explains in simple terms what climate change is and why is it important to implement climate adaptation measures in cities.

Step 2: Identification of Project Options

Tool 3:
Option description template

This template displays a one-pager for you to describe each one of the options you are considering for the intervention. It helps you concretise the approach, milestones, implications and expected results of each option.

Tool 4:
Stakeholders map

This tool will help you map and categorise the stakeholders for your climate adaptation measure, as well as to define which role you want or need them to have in the project.

Tool 5:
Multi-Criteria Decision Analysis

The Multi-Criteria Decision Analysis Excel file will help you assess the different options you and the community are considering. This tool suggests 6 criteria to evaluate each option, but you can adapt them to your context and needs.

Resource 1:
Ideas of Nature-based solutions for climate adaptation issues

In the GIZ Urban Climate Resilience Toolbox you will find a repository of more than 90 different tried, tested, and ongoing resilience approaches in more than 30 countries. The approaches are clustered into different categories that define their features to facilitate you finding how Nature-based solutions have been used to tackle different climate hazards.

https://urb-res-toolbox.adaptationcommunity.net/

Tool 6:
Terms of reference for Student competition

In case you want to engage the youth in finding solutions to the climate challenges addressed in your target community, this tool will help you organise a competition for university students to submit ideas on what the intervention can entail.

Step 3: Pre-feasibility

Tool 7:
Terms of Reference for the procurement of pre-feasibility study provider

Use this template to help you draft your own Terms of Reference to procure a provider to conduct the pre-feasibility assessment. This document includes an example of the services we procured at *CitiesAdapt*, as well as the qualifications we looked for in our supplier.

Step 4: Feasibility and financing

Tool 8:
Terms of Reference for the procurement of feasibility study provider

This tool provides a standardised template for the procurement of feasibility studies. Section 2 of the document includes a table with guidance on what a feasibility study is expected to include, as well as a more general list of potential approaches and studies that may be undertaken as required by the contractor, in addition to some example approaches for flood and heat island projects.

Resource 2:
Access to Finance for Adaptation Measures at the Hyper-local Level Guide

The goal of this resource is to guide municipal officials on how to navigate the challenging landscape to access finance for climate adaptation measures at the neighbourhood level in mid- small sized cities. Ideally, small-scale measures implemented as pilot projects, incorporating Nature-based Solutions (NbS) in public spaces, while considering future replication and scaling up.

https://www.international-climate-initiative.com/PUBLICATION1979-1

Step 5: Construction

Tool 9:
Delivery plan for building contractor

This tool serves as a template for the delivery plan of the construction. Once you have procured your construction provider, agree with them a plan and keep track of it with this tool.

Step 6: Post-construction

Tool 10:
Agenda for community's approval of the intervention

This is a draft agenda for the session in which the community approves the project as final and reinforces their engagement in maintaining the intervention.

Resource 3:
Monitoring and evaluation

This tool provides a list of example indicators and potential approaches to data collection when considering how to conduct monitoring and evaluation of climate adaptation projects. The list is grouped into impact indicators (measuring the impact of a project, usually via the change against the baseline) and process indicators (namely community engagement approaches). The document provides specific indicators to flood and heat islands solutions.