

Start of Climate Change Adaptation



- Political decision by the community council for a **strategic approach of climate change adaptation** in 2013
 - Implementation of a climate change **adaptation manager** for the City of Dortmund within the **climate change coordination unit**
- In 2014 integrated climate change adaptation concept for the city district Dortmund - Hörde
- Political decision in 2018 about the implementation of measures of the concept of Hörde and to **elaborate a Masterplan for the City**



Targets of MiKaDo



Focus is a smart and healthy city development, which lowers the burden of extreme events like heat and strong rain.

Target:

The main target is to get a common understanding for the challenges of climate change

- **Continuous participation process within the city administration** to elaborate recommendations for climate proof action for each department
- Elaborate a **map of action** for climate change
- **Participation of stakeholder** and citizens

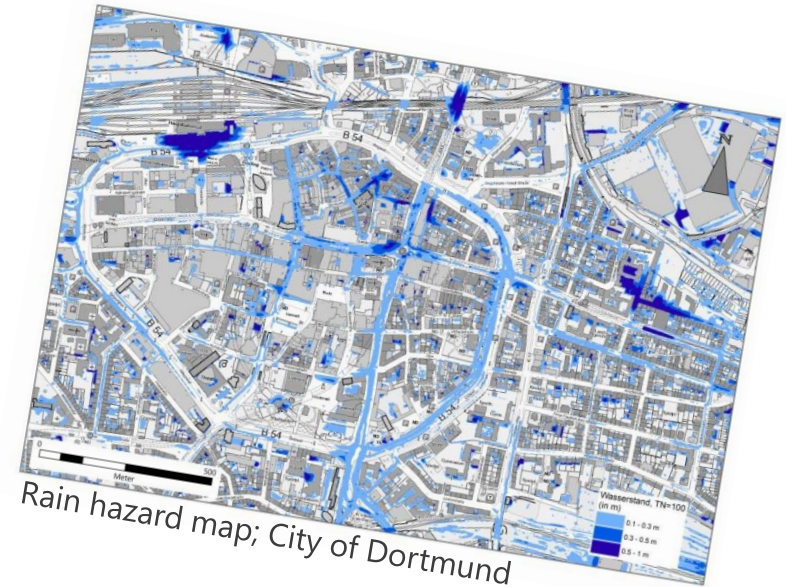


Strategic Approach



- **Step 1: Status quo analysis**

- Identify and analyse data about climate change and sensitivities
- Identify challenges within the administration and actors, planning and infrastructural related challenges



Rain hazard map; City of Dortmund

- **Step 2: Vulnerability analysis**

- **Step 3: Integrated climate change adaptation strategy**

- **Step 4: Climate adaptation measures**

- **Step 5: Communication and perpetuation**

- **Step 6: Controlling**

→ Output: Map of action for climate change adaptation

Flowchart



Land development

Optimization measures

Map of Action

Adaptation necessities and options

Modules of the
internal
administrative
preprocessing

Investor
agreements,
competitions

Planning of public
space

Elements of the
formal preparation
procedure for
land-use-plans

Lessons learnt



- A political decision for climate change adaptation is required
- To motivate and activate stakeholders for action, the relevance of climate change adaptation must be conveyed by presenting the consequences of inactivity and the chances of no-regret measures
- Networking within the city administration and identifying key actors to convince other key actors is the main challenge but also the biggest chance to implement climate change adaptation

Follow up



The output of MiKado will be:

- The ‚Map of Action‘
- Individual guidelines for climate proof planning for each department
- A GIS based climate management system to monitor areas with climate functions