

Berlin's way to a Smart City using the example of the project Smart Water

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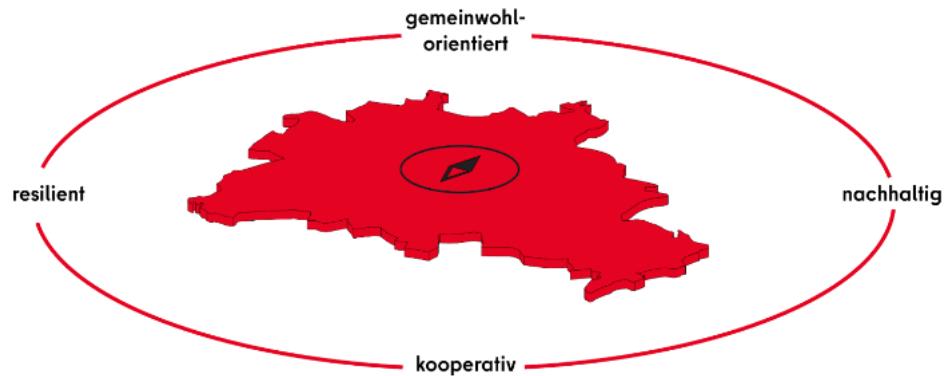
BERLIN





**Main goal: Getting Berlin ready
for the future**

The strategy „Gemeinsam Digital: Berlin“



... our value compass

SMART WATER - dealing with climate impacts

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1. Tool for planning blue-green infrastructures

- Vision: Reduction of heat islands and flooding of roads due to heavy rainfall events
- Tool: Data for blue-green infrastructures for integration into existing planning processes
 - Hotspots for heat stress and flooding
 - Options for blue-green measures
 - Effects
 - Feasibilities
- Target group: Senate administration and district offices
- Application: map-based web tool for use in strategic planning as well as in concrete implementation concepts for blue-green infrastructure



2. Visualisation and information tool for citizens

- **Objective:** To sensitise the population to climate adaptation measures, especially for blue-green infrastructure
- **Tool:** Visualises positive effects of blue-green infrastructure, provides information about opportunities to become active yourself
- **Application:** Citizen participation processes, communication department of the district authorities
- **Target group:** Citizens





3. Concept for heavy rain communication

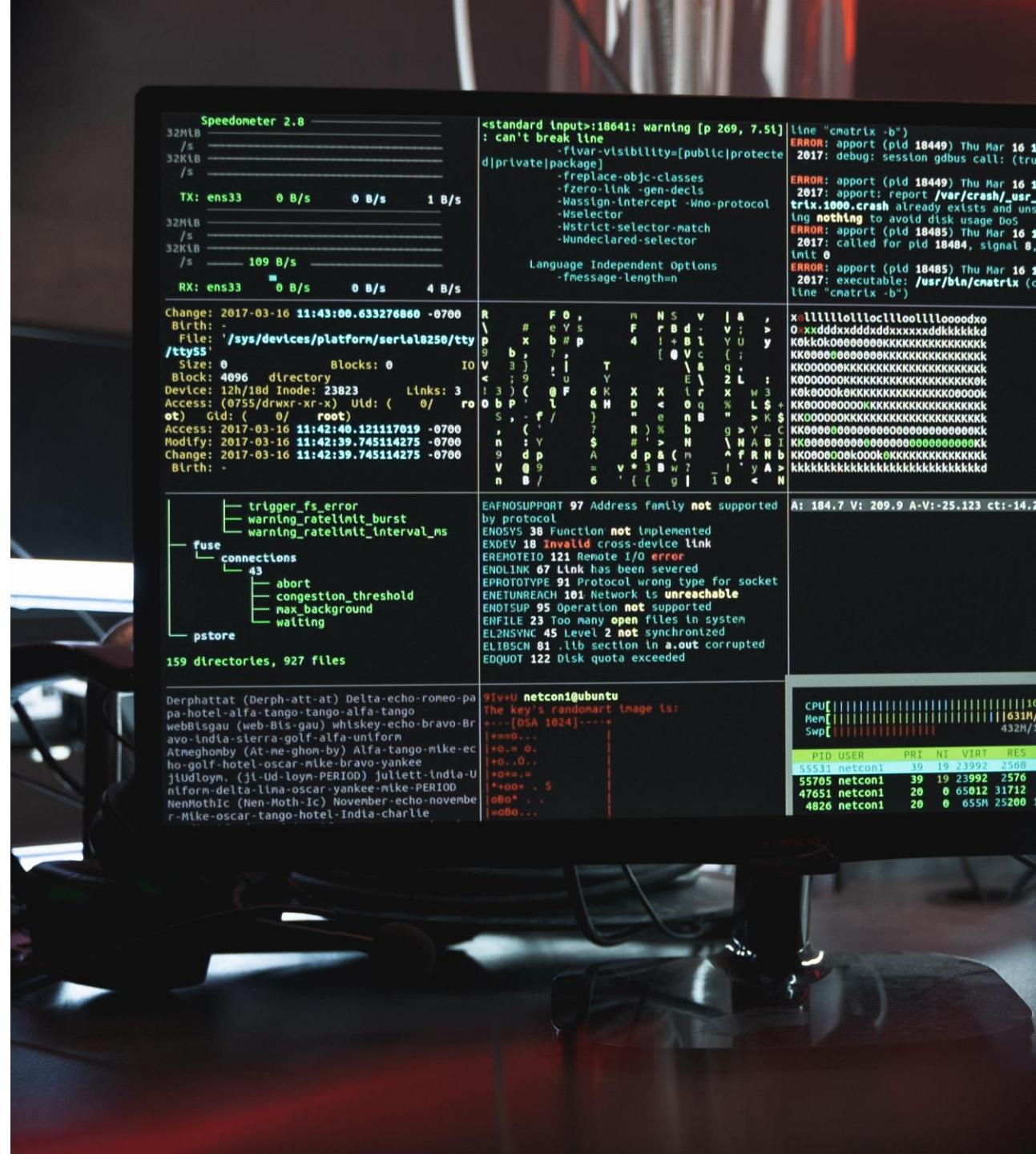
- **Objective:** Improve preventive and operational communication with regard to heavy rainfall
- **Tool for precautionary communication**
- Information on heavy rain hazards for owners
- Recommendations for action
- **Tool for operational communication**
- **Coordination** of operations, Coordination of various disaster service providers

- **Target group:** Citizens, senate administrations and disaster service providers
- **Application:** map-based web tool / app with information that reflects the needs of different users

4. Data platform

- Goal: **Interoperable, user-centred data** architecture for the provision of any data required for the prototypes
- Tool: Based on the data architecture that will be developed for Berlin in the near future (DataHUB)

picture: © Tima
Miroshnichenko via Pexels



Projekt structure, duration

- Berlin Senate administrations and districts as **active partners** in the development of the tools
- Both senate administrations each have a **full consultant position** for 4 years to support tool development and stabilisation
- **Intensive discussion** with all partners on the needs and requirements of the respective tools as part of the conceptualisation phase
- concept phase: 1 year
- tool development: 1,5 years
- demonstration in pilote areas: 1,5 years





Future outlook

- **Climate change** intensifies heavy rainfall events and heat stress
- Urban transformation towards **sustainable urban development** and **resilience** to extreme weather events
- Enormous **potential of blue-green** measures
- Cities have **good concepts** for implementation
- **Digital tools** for customised concepts with maximum impact



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