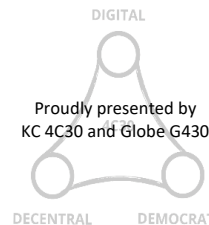


# Co-creating Climate Smart Cities: A Practical Guide. Developing digital solutions for and with citizens and public sector organizations



## Potential Climate/ Disaster Impacts addressed and Justification for this Approach

Successful transformational climate action is underpinned by citizens and digitalization. Digital solutions should improve citizens' lives while also strengthening their rights. Transformational adaptation to climate change requires citizens to be on board and means deep, systemic change requiring the reconfiguration of social and ecological systems for sustainable development. Digitalization is a powerful accelerator of processes and offers environmental policy new scope to shape climate action and conserve nature and resources. If it is successfully and sustainably designed, digital transformation can provide strong support for social and environmental restructuring. Digital solutions, therefore, have to start from the needs of citizens and city officials and be developed in co-creation with them.

## Process of Implementation

The Global Program "ICT-based Adaptation to Climate Change in Cities" (ICT-A) has been financed by the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) as part of the International Climate Initiative (IKI) and implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH in cooperation with the German Federal Ministry of the Interior, Building, and Community (BMI). In our partner countries, we cooperate with the Ministry of Housing and Urban Affairs (MoHUA) in India, the Agency for International Development Cooperation (AMEXCID) and the Ministry of Environment and Natural Resources (SEMARNAT) in Mexico, and the Secretary of Digital Government of the Presidency of the Council of Ministers (SEGDI/PCM) in Peru.

### Project Title

ICT-based Adaptation to Climate Change in Cities (IKI)

### Project Number

2016.9014.8

## Results and Impacts

This practical guide describes the piloted and proven process called "citizen-centered innovation" as well as a set of methods to support adaptation to climate change in cities using digital tools. The process is based on agile methods with a human/user-centered approach. In our understanding, citizens are more than "just" users: they have rights to be strengthened and obligations to be met. We provide guidance for urban policymakers and practitioners on conducting a collaborative process of developing and implementing digital solutions for gathering and analyzing urban data and integrating it into urban planning to promote evidence-based decision-making that will improve climate resilience and inclusion in cities.



### TYPE OF APPROACH

Planning approach & decision support tools



### COUNTRY

Global (India, Peru, Mexico)



### LEVEL OF INTERVENTION

(inter-)national, subnational/regional, city, neighbourhood



### TYPE OF RISK MANAGEMENT

prevention, resistance, transformation



### MAIN HAZARDS ADDRESSED

All



### URBAN FUNCTION PROTECTED

all



### SPHERE OF INTERVENTION

socio-political sphere/ governance, economy, environment



### RESOURCES REQUIRED

Global team in Germany as well as local teams in the partner countries India, Peru and Mexico.

### COOPERATION PARTNERS

Commissioner for the International Climate Initiative IKI: BMWK and BMWSB, ministries in partner countries, city governments, citizens of partner cities



### LINKS

<https://www.international-climate-initiative.com/en/project/ict-based-adaptation-to-climate-change-in-cities-17-ii-142-global-g-ikt-basierte-anpassung-in-staedten/>  
<https://www.youtube.com/@ict-aglobalprogram9323>

