

# URAdapt

Managing Water at the **Urban-Rural** Interface: The key to climate change resilient cities

## Factoring climate change into urban water management

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*Funder*



By 2030 half of  
Africa's population  
of 1.3 billion will  
be living in urban  
areas.

(UN-Habitat 2008)













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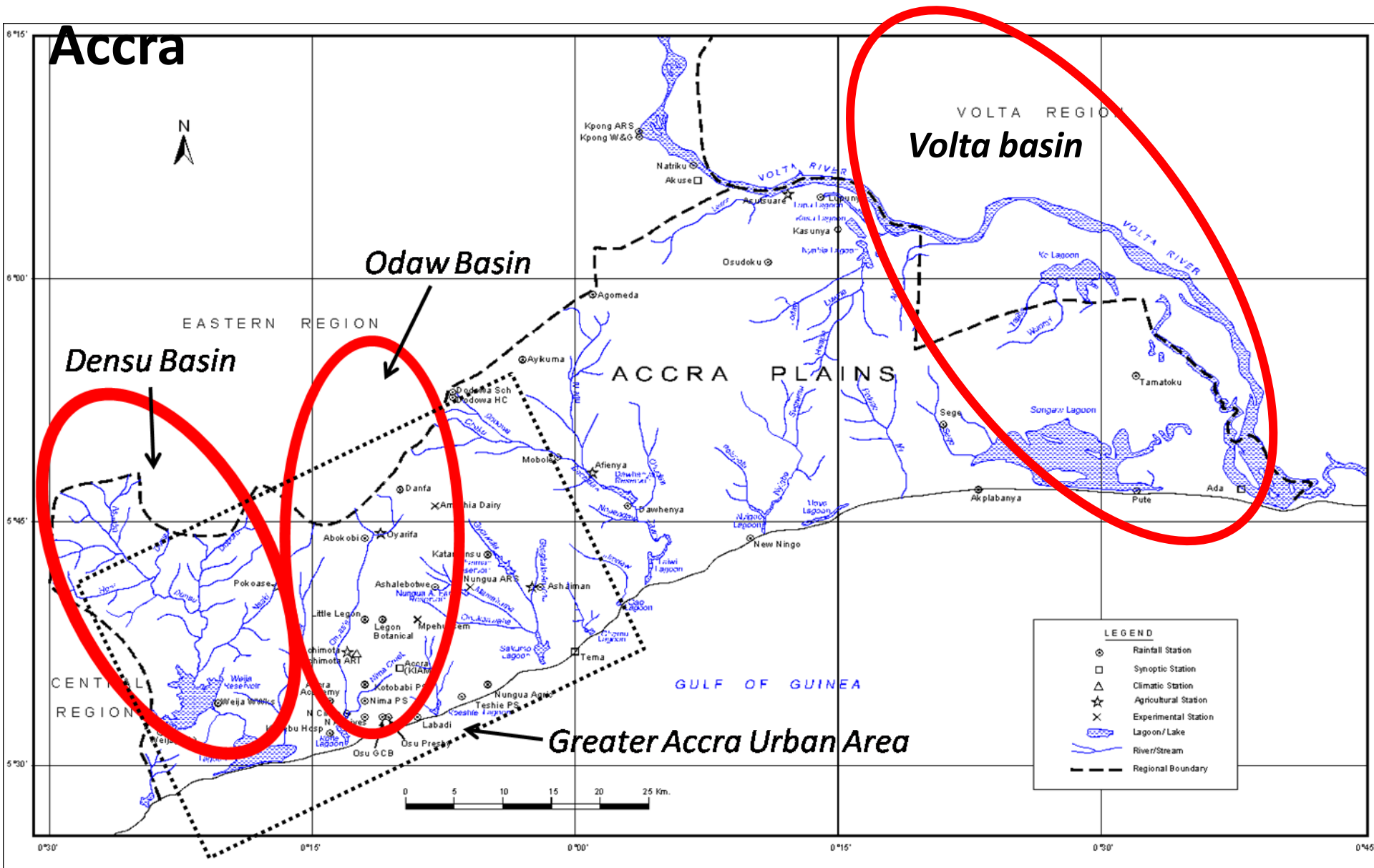
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Accra : Sourcing water and disposing waste



# PURPOSE OF URAdapt ?

Adapting cities to water-mediated (or related)  
impacts of climate change

- Very current topic: CC research moved from mitigation to adaptation
- Innovation research : adds a new dimension to Integrated Urban Water Management by looking beyond city to the water basin
- Upstream and downstream rural impacts are accounted for
- Engaging with water managers and policy actors from the inception in participatory mode



# CC and the city within the basin

## Central questions:

- **What consequences will climate change have on water resource availability?**

Changes outside the city boundaries that affect the city

- **What influences urban growth and how do urban growth scenarios affect water needs and wastewater generation ?**
- **What consequences will CC have for urban storm drainage**

Recurrent urban flooding and problems in managing vulnerable communities

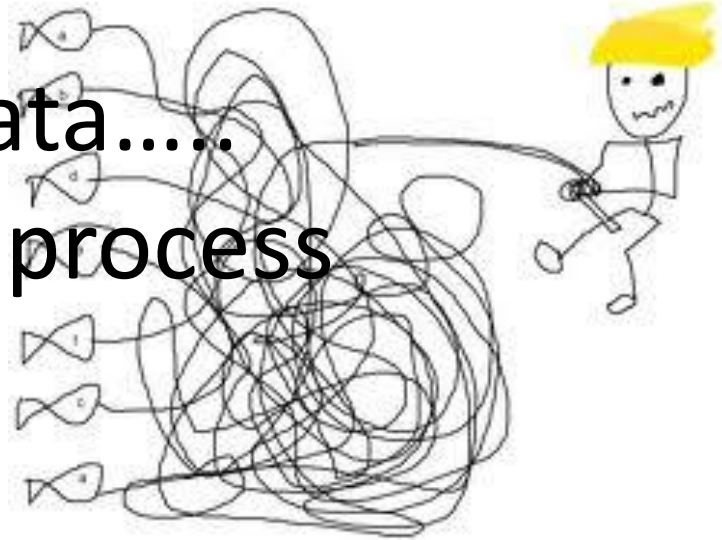
- **How will wastewater disposal and management be affected**

How city impacts go beyond the urban boundary polluting downstream areas



# Data.... Data.... data..... Process...process....process

## challenges



- Generating knowledge in the absence of reliable data
- Decision and planning processes fuzzy (informal/formal) and heavy
- Understanding development priorities within a fragmented institutional context
- Difficulty in interpreting evidence for strategic purposes
- Enrolling vulnerable groups who fall into policy and institutional vacuums.



# Our stakeholders represent...

Urban and rural water use sectors that rely on common water resources

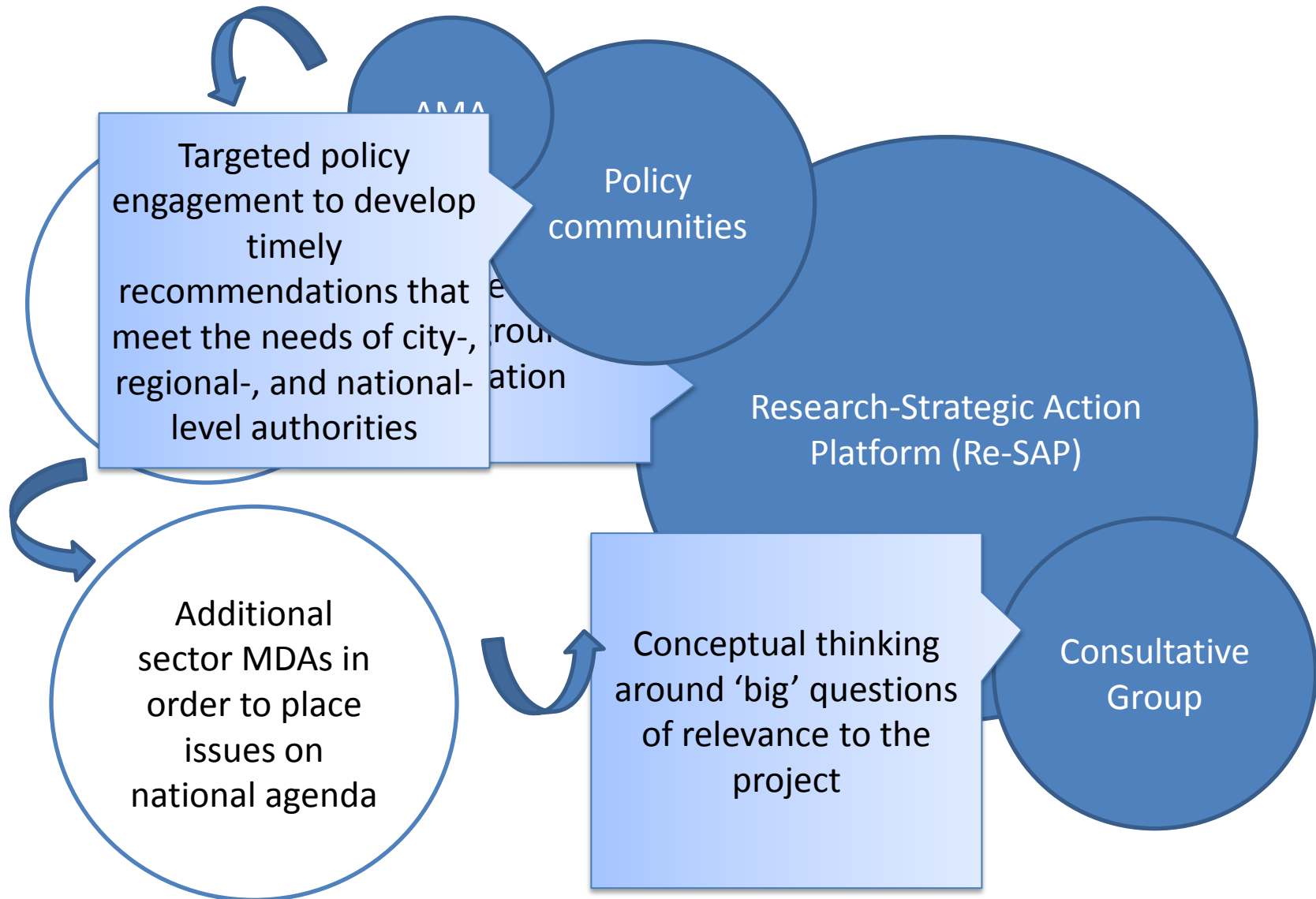
Sector agencies tackling climate change

Urban slum dwellers, women and communities living in flood-prone areas

Basin- and national-level water resources management authorities

Local government authorities managing water and wastewater in urban and rural areas

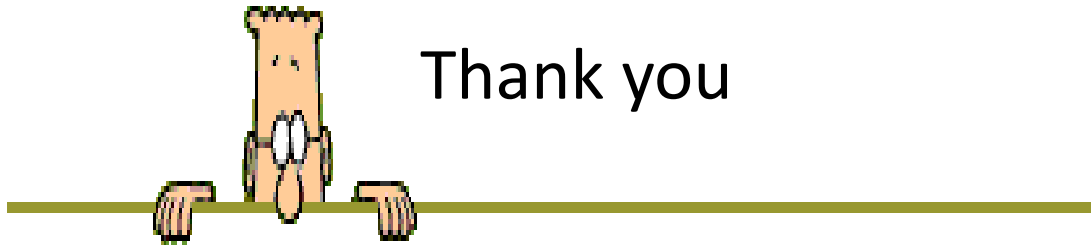
# Stakeholder Engagement Strategy





URAdapt website

<http://uradapt.iwmi.org>



Thank you

## Strategic Objective 1:

Enhancing the adaptive capacity of the city and its communities to flood impact of climate change

## Strategic Objective 2:

Adopting integrated climate resilient water supply and demand management in the Densu

## Strategic Objective 3:

Strengthening institutional capacities to address water related climate change impacts