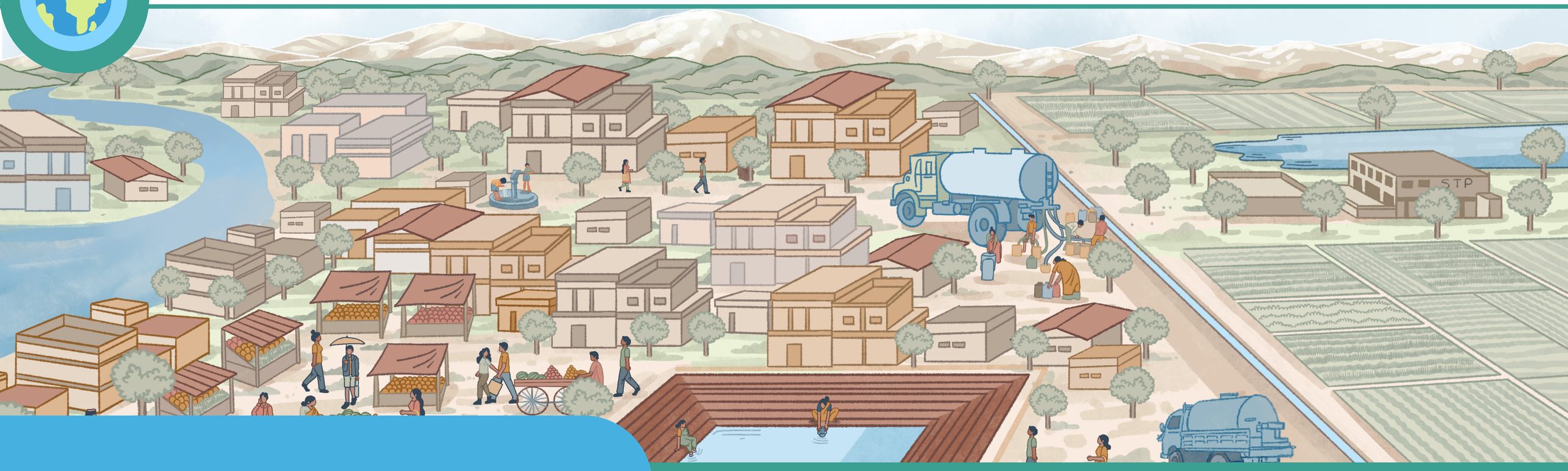
GROUNDING CLIMATE RESILIENT WASH ACTION IN SMALL TOWNS - CHIKKABALLAPURA

(Jointly convened by the District Urban Development Cell (DUDC), BORDA, FISH and TIDE)

CHIKKABALLAPUR DISTRICT | german cooperation DEUTSCHE ZUSAMMENARBEIT | BORDA People. Innovating. Sanitation. | LEDeG | WASTE CONCERN | 4 Decades in Development NGO FORUM FOR PUBLIC HEALTH | ENPHO Creating Eco Societies | FISH FOUNDATION FOR INCLUSIVE AND SUSTAINABLE HABITATS | TIDE FOR PEOPLE AND PLANET



Following the Flows: Tracing the Total Water Flow in Emerging Urban Centres of South Asia

Background

By 2035, nearly **40%** of South Asia's urban population will live in small towns

These emerging urban centres, where growth meets capacity gaps & climate risk, sit at the **frontline of emerging water stress**

Assessed **20 towns** across 6 regional flowscapes

Captured **lived water sanitation realities** in emerging urban centres – mapping their service flows, systemic gaps and invisible linkages

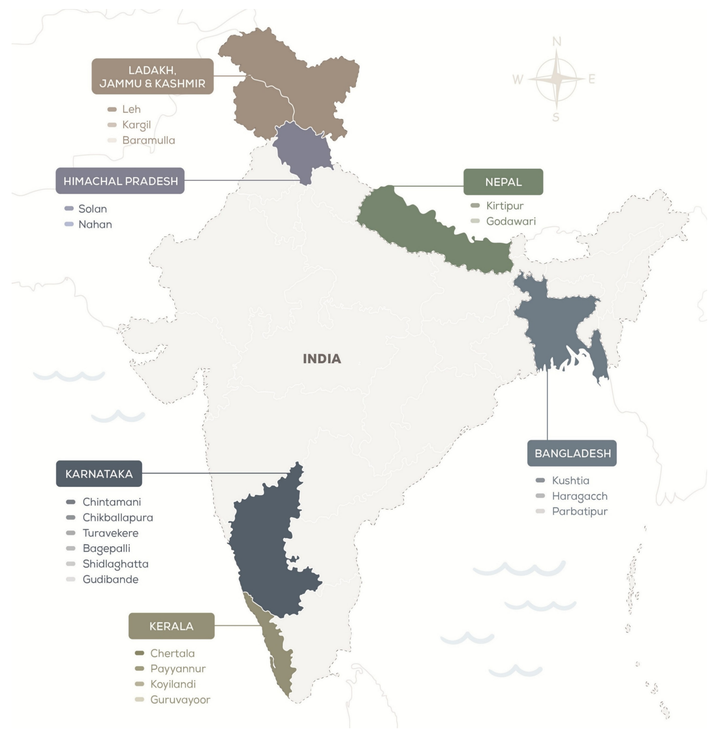
The Way Forward: From Disconnected Systems to Resilient Circular Towns

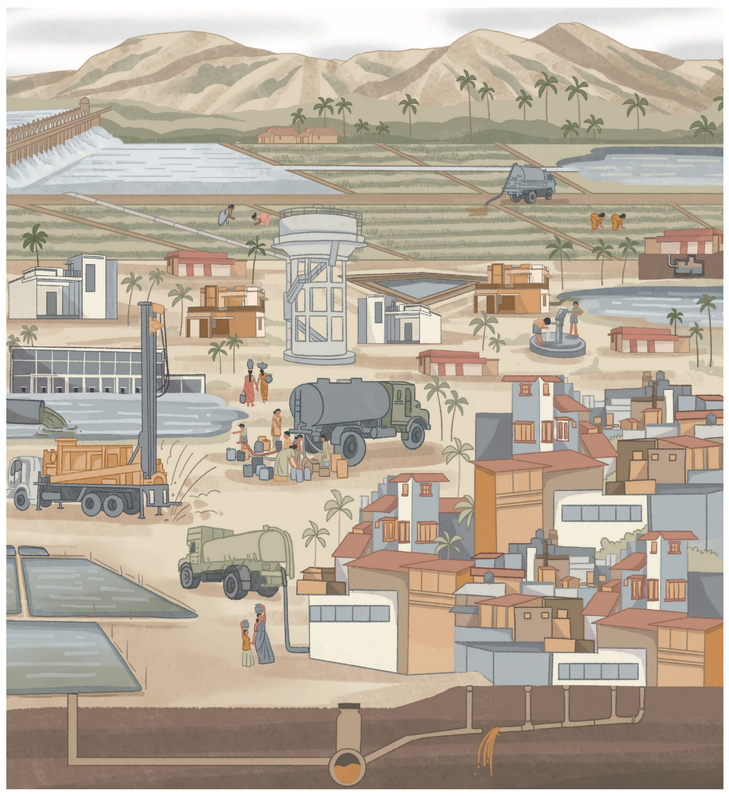
1. **Plan Around the Whole Water Cycle** ensuring infrastructure works as one system rather than isolated components.
2. **Build Circular and Climate Resilient Systems** to reduce dependence on stressed groundwater and build resilience.
3. **Strengthen Local Governments to Drive Delivery** by enabling ULBs with training, autonomy and resources to manage assets, not just receive them.
4. **Design Solutions that Fit Local Realities** which allow flexible, context fit models instead of rigid, one-size-fits-all schemes.
5. **Align Institutions & Investments** which allow coordination among agencies and departments to plan together, ensuring networks, treatment and reuse connect.

Gallery

65%

of the towns rely on groundwater as their primary source of water supply





Adaptive Practices from Karnataka

Inter-Basin Reuse for Aquifer Revival (HN & KC Valley): Reusing Bengaluru's treated wastewater to recharge tanks and support drought-prone towns.

Terrain-Sensitive Sanitation in Rocky Uplands (Gudibande): KUWSDB adopted FSTP system which fits the local geology instead of a centralised UGD

Restoring Heritage Kalyanis for Recharge (Karnataka): Historic stepwells designed for rainwater harvesting and aquifer recharge being restored by NGOs as climate resilient water assets.

Small towns, our emerging urban centres are not peripheral, they are pivotal.

Investing in their water resilience today is investing in South Asia's urban future.

TQRCG

Read the full report

http://www.chikkaballapurcity.mrc.gov.in/ | https://tide-india.org/ | https://borda.org/south-asia/