

Water for Growth, People and Environment India (National and State of Uttar Pradesh)



Focus Areas

- The 2030 WRG works at a national, state, and sub-basin level to help mobilize the financing and policy reform needed to reduce wastewater discharge and promote efficient water use across key sectors in India's largest river basin..
- Three major work streams have been formed to address the water challenges faced in the region:
 - **Rejuvenating Ganga tributaries**, with initial focus on the Hindon River in Uttar Pradesh.;
 - **Improving agricultural water-use efficiency** in the sugarcane sector and drought-prone areas, and encouraging participatory groundwater management.;
 - **Increasing municipal wastewater treatment** and reuse in the Ganga basin.

The Challenge

- Population growth and rapid urbanization in the Ganga basin, which covers more than a quarter of India's land and is home to 450 million people, have placed unprecedented stress on water resources, leading to seasonal water shortages and water pollution.
- Estimates suggest 78 percent of wastewater is untreated nationally, of which 8,000 million liters per day of untreated wastewater flows directly into the River Ganga.
- In the state of Uttar Pradesh, the Hindon River, a tributary of the River Ganga, is heavily polluted and its flows are diminishing. This has a severe effect on the surrounding environment and the people who rely on the river for water.
- Millions of pilgrims visit religious towns like Mathura and Vrindavan, which adds to the complexity of creating sustainable solutions in the region.

Results and Outcomes

Rejuvenating Ganga tributaries

- The 2030 WRG is working with government, private sector, international partners, academia, among others, on the development of a partnership focusing on rejuvenating rivers in the state, including introducing irrigation best practices, cleaner industrial production, and sustainable and equitable urban water management.

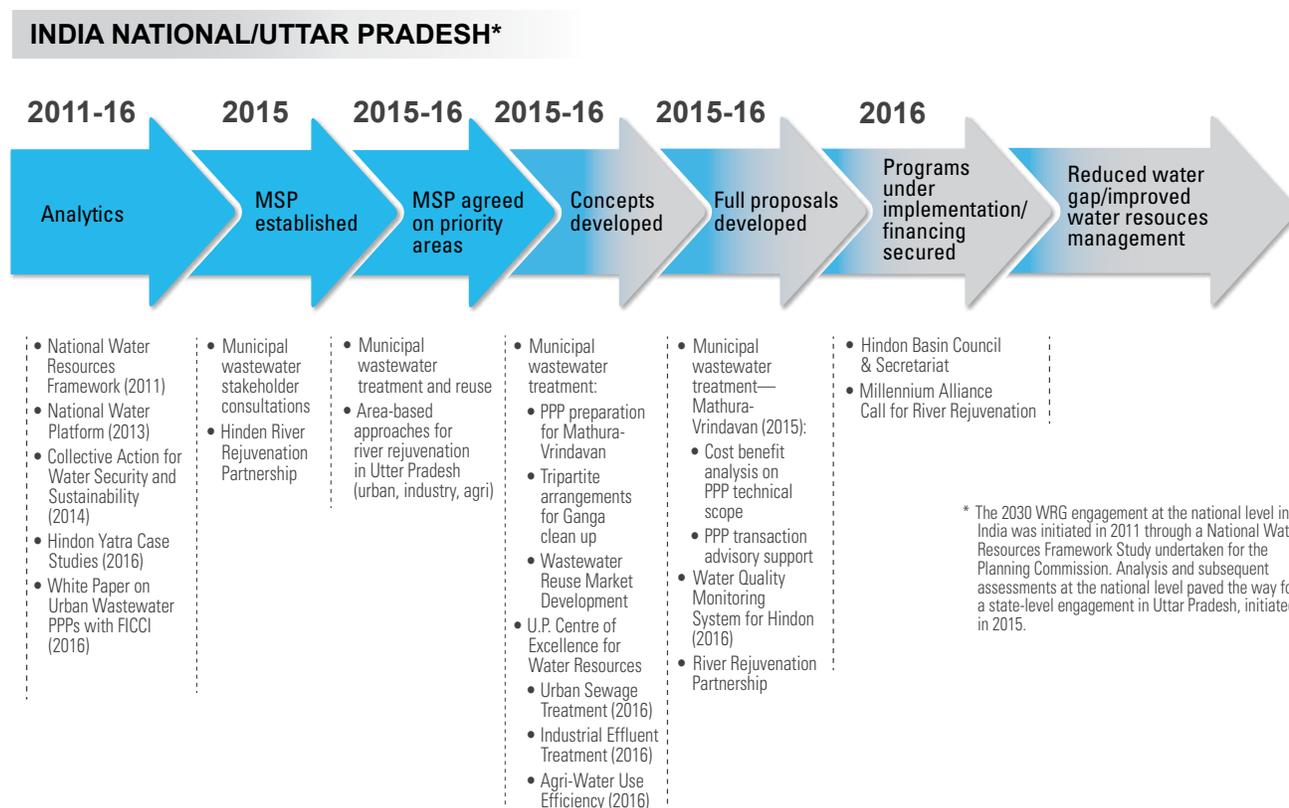
Improving agricultural water-use efficiency and participatory groundwater management

- The 2030 WRG is working with women water-user groups, local authorities, nongovernmental organizations, and donors to mitigate the effect of recurrent droughts on agriculture and livelihoods, induced by climate change, in the Bundelkhand region of western Uttar Pradesh.
- A multi-stakeholder approach is being developed, targeting seven districts as a replicable model for promoting groundwater recharge, agri-water use efficiency, and crop diversification for dryland farming.
- The 2030 WRG is partnering with the state government, the sugar industry, civil society, the beverage sector, and IFC Advisory Services to improve sugarcane productivity and water-use efficiency, and develop innovative solutions for large-scale

artificial aquifer recharge to reverse the trend of declining groundwater.

Increasing municipal wastewater treatment and reuse in the Ganga basin

- The 2030 WRG is engaging with the Ministry of Water Resources, River Development, and Ganga Rejuvenation to develop new partnership-based engagements for municipal waste-water treatment and reuse in the twin cities of Mathura-Vrindavan. The lessons from these pilot cities could provide a template for replication in other towns in the Ganga basin.
- The 2030 WRG has also supported the development of tripartite terms of engagement between the federal government, the state, and the municipality to streamline wastewater project implementation, identify clear roles and responsibilities, and mitigate project-related risks.



Who We Are

The 2030 Water Resources Group is a unique public-private-civil society collaboration. We facilitate open, trust-based dialogue processes to drive action on water resources reform in water stressed countries in developing economies. The ultimate aim of such reforms and actions is to close the gap between water demand and supply by the year 2030.

Our Mission

If countries maintain a business-as-usual approach to managing water, we can expect a 40 percent gap between fresh water supply and demand by 2030. Our mission is to help countries achieve water security by facilitating collective action between government, private sector and the civil society.

Contact

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