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Central Asia Water Supply and Sanitation (WSS) Capacity Development Program for Scaling Up Access, Resilience and Innovation

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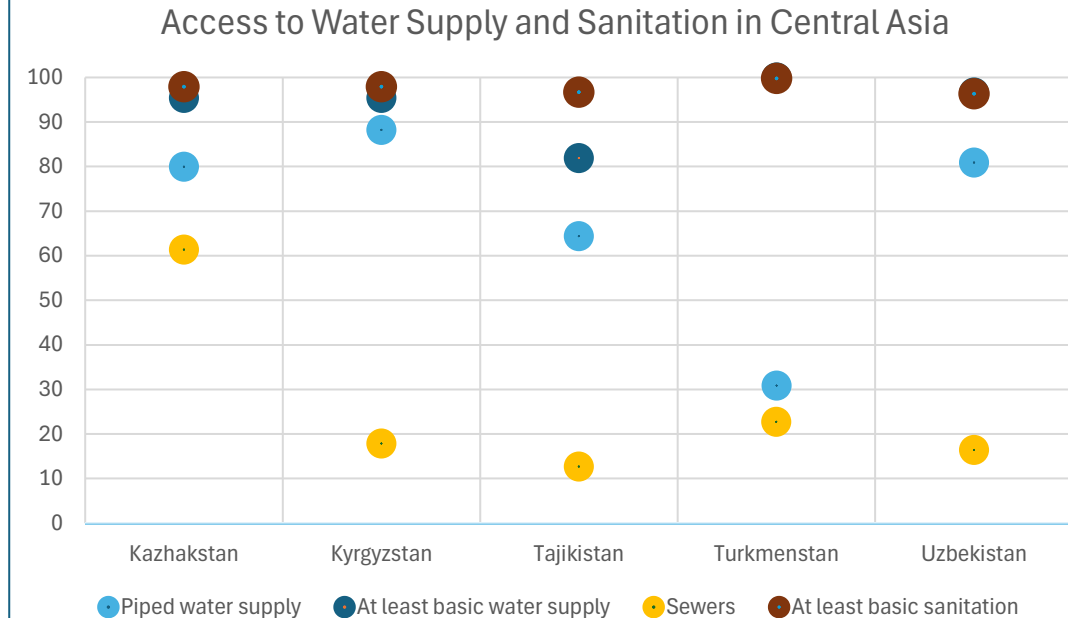
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Context

Challenges

- **Fast growing demand** (80 million + inhabitants, growing at 1.9% on average)
- **Water stressed** region, with more than 45% of the population living in water stressed areas.
- Per capita **water availability declined** by more than 30% in the last 3 decades.
- **Limited quality of WSS services**, particularly in rural areas. Official WSS access figures high (> 95%) but hide the service deficiencies and low sustainability.
- **Skill shortage, financial and operational inefficiencies are a major bottleneck to sustainability.**



Opportunities

- **Region under pressure to adapt and mitigate climate change impacts.** Opportunities to optimize storage to fulfil the multiple demands, to enhance water use efficiency and reduce climate vulnerability.
- **WSS universal access is achievable.** Focus on the last mile (<10%), service improvement, and sustainability.

Our Water Engagement Strategy



People

Enable Universal Access to Water and Sanitation in Central Asia: Close the access gap to water supply, scaling up sanitation and hygiene, and strengthen service delivery institutions.

- By 2030, at least 1.2 million additional people with access to water supply, ½ million people with access to sanitation.
- By 2035, universal access in the Kyrgyz Republic and Tajikistan



Food

Securing Water for food, the economy and jobs: Scale up water conservation and efficiency through irrigation modernization, improvements in energy efficiency and financial sustainability.

- By 2030, 200,000 farmers with access to improved irrigation services
- Close to 500,000 better jobs
- By 2035, irrigation efficiency improved by 20% with over 840 Mm³/y in water savings



Planet

Improved WRM and climate resilience: Investments in storage (including conjunctive use of surface and groundwater storage) and dam safety, transboundary institutions and information.

- By 2030, 18Bm³ of water storage & improved operations
- By 2030, Improved regional monitoring and data sharing & GW Mangmt. Plans

Our KGGTF Program

Objective: Enhance the WSS service delivery capacity to help achieve universal access in Central Asia Countries, through climate smart and innovative solutions.

Builds on **lessons from ongoing KGGTF-funded technical assistance** in Uzbekistan, and relies on **solid partnership between K-water and water agencies** in the region, and with the World Bank; and decades long state of the art technologies and expertise from the K- Water.

Priority activities, include:

- The establishment of a **Central Asia Water Utilities Learning Platform**, including knowledge sharing and benchmarking to incentivize WSS service delivery efficiency.
- **Innovation labs and Internships for young professionals**, to help develop skills and create a pipeline of sector professionals.
- **Market outreach and private sector engagement.** Exchange, demonstrations and study tours activities between private sector and public water utilities on technologies and advances in water management



Results so Far and Future Plans

- First Central Asia Utilities Conference, bringing together more than 350 professionals from across the region;
 - WSS Hackathon in the Kyrgyz Republic bringing together about 50 young water professionals
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- Regional Hackathon connecting your water professionals from Uzbekistan, Tajikistan and Kyrgyz Republic
 - Establishment of the **Central Asia Water Utilities Learning Platform** in partnership with K-Water
 - Cross learning/internship between utilities and with K-Water
 - Market outreach session with private sector.



Thank You