

Think Tanks in Brief





Edition: 7

December 2024

Water Governance

Reimaging Water Governance to Ensure Long-term Water Security in



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Greek historian Herodotus visited Egypt sometime after 454 BC. He observed that Egypt Conditions in Egypt have "is the gift of the Nile." From ancient times to July 1970, when the High Aswan Dam was completed, Egypt's water and food security depended primarily on the annual flooding of the Nile. Droughts and

famines followed when the

The construction of the High Aswan Dam gave Egypt a few decades of water security. changed significantly since 1970, when the population was 34.7 million. By 2023, this number had increased to 112.7 million. In addition, higher income, literacy levels and the communication

have ensured that the average Egyptian expects a better living standard than their forefathers. They expect the country to have good food, water, energy security, and a better standard of living, including health, environment, and employment opportunities. To ensure all these needs, a common essential requirement is water security.



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that benefit its people.

The country needs to formulate a long-term realistic water management plan that considers its unique hydro-climatic, economic, social, cultural, and institutional conditions. This plan should be updated every five years as more knowledge and data are available, new technological advances take place, and societal perceptions and attitudes to water change. This would include significantly increasing water use efficiencies



practices such as China.

The Ministry of Mater
Resources and Irrigation and
the Ministry of Agriculture
and Land Reclamation, have
two of the largest research
centers in the world. By
venturing into emerging fields
like digitalization, informatics,
sensors, robotics, big data
analytics, digital vinning,
and artificial intelligence, the

significantly enhanced.

All in all, a comprehensive long-term water management plan is essential to meet Egypt's unique hydro-climatic, economic, social, cultural, and institutional needs. The good news is that the country has the expertise to do it. However, it will need strong and sustainable support from its highest levels of policymakers if the much-needed radical transformation of the water sector can be achieved to ensure water security in the post-2025 period.