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AN OVERVIEW OF SMARTWATER MANAGEMENT SYSTEM: STRATEGIC POTENTIAL IN BANGLADESH

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AN OVERVIEW OF SMARTWATER MANAGEMENT SYSTEM: STRATEGIC POTENTIAL IN BANGLADESH

What & How Can it be done

Smart Water Management – a system that promotes water-related development and management of water, land and related resources in order to maximize economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems.

Communication infrastructure: Traditional water management systems mostly depend on manual labor, human error, and lateness. Automated systems can reduce errors and increase efficiency. Modern technologies such as GIS and IoT can help in real-time decision making at the measurement and monitoring location.

In the water sector, information systems and knowledge management are recognized as important attributes for effective water sector management. Information management and display of information in a form of graphical information can allow the user to see, visualize, locate, and understand different water-related components that can improve water systems.

Smart Watering (SW) labels and sensors are currently being implemented to improve irrigation practices and efficiency. These systems can monitor and manage water use, leading to better water productivity, reduced water loss, and improved crop yields.

References
- Mandal, M. (2011)
- Chapagain and Hoekstra
- Modified from (modified from Chapagain and Hoekstra
- AC Earth and Physical Sciences, York College (CUNY), Geology Discipline
- Geocomp Corporation, Geotesting Express Inc., 125, Nagog Park, Acton, MA 01720, USA
- Muhammad Qumrul Hassan
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