

CapNet & BWP Initiatives in Bangladesh:
Delta related Interventions

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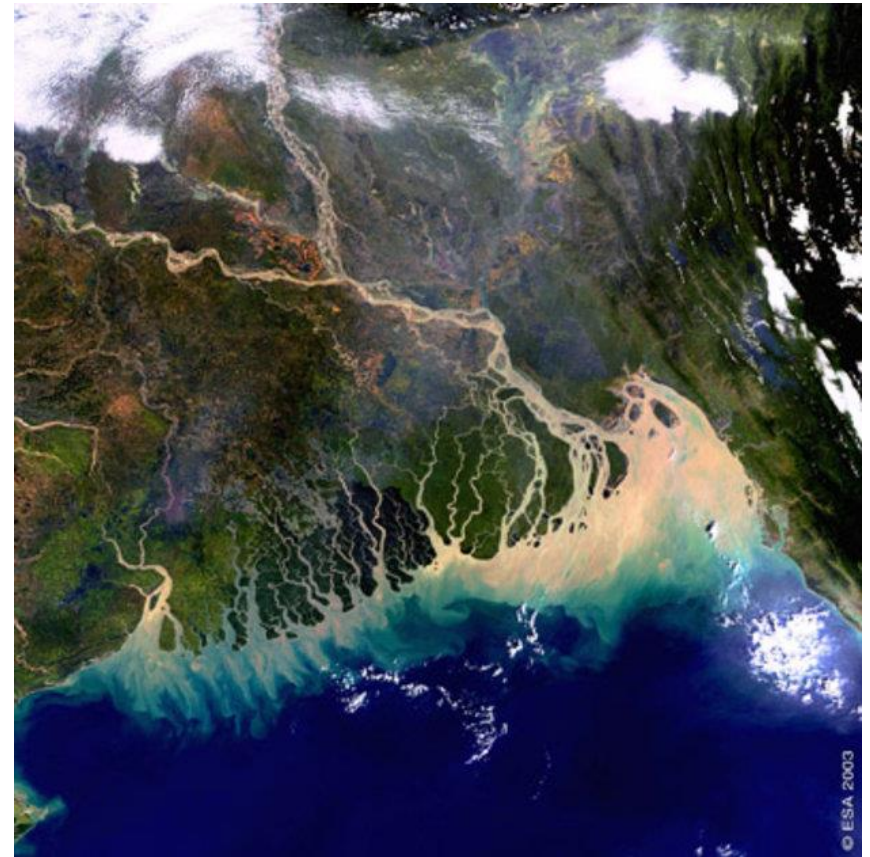
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Overview of the Presentation

- CapNet in Bangladesh
 - Core Group & Members
- Delta related Interventions
 - Adaptive Delta Management
 - Hydro-Social Delta
 - Case Study on Dhaka City
 - Mainstreaming Gender in Water Management
 - Capacity Building & Advocacy



CapNet in Bangladesh

- CapNet has 10 core members and over 35 general members in Bangladesh
- BCAS is the Secretariat of CapNet in Bangladesh
- CapNet Bangladesh was established in 2004 & It is involved in:
 - Research, knowledge generation, awareness, advocacy & raising Southern Voice
 - Capacity building on IWRM, Gender Equity and Climate Resilient City & WATSAN
 - Adaptive Delta Management is an emerging issues
 - We work with BWP, UDW, Delta Cap, Gender & Water Alliance, Development partners, Media and the government agencies



Vulnerability of Delta in Bangladesh

Physical Characteristics

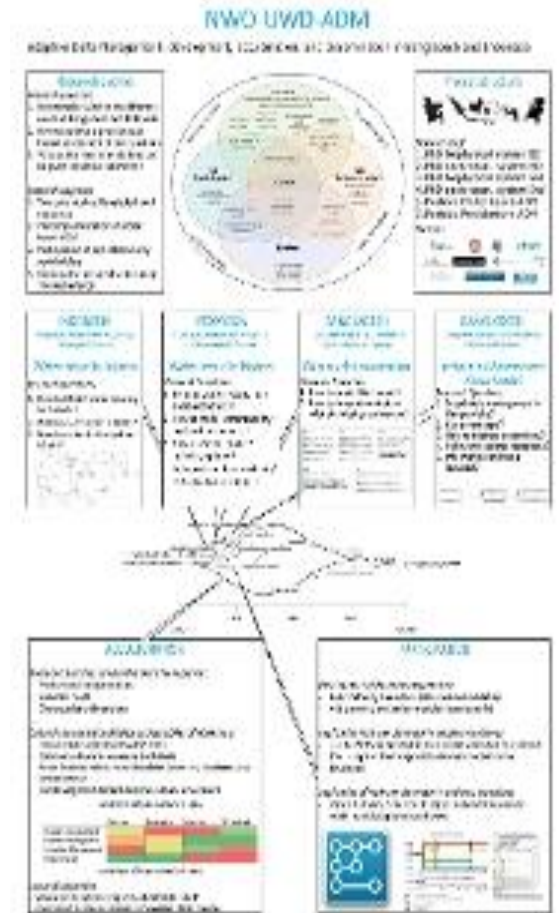
- Low elevation
- High flood probability
- Cyclone & Storm surge
- Sea level rise
- Land erosion and accretion
- Salinisation & water logging
- Dependence on freshwater
- Huge Sediment flow
- High sensitivity to climate change
 - Agriculture & Food, Water, Health, Fisheries, Mangroves, Infrastructures and Livelihoods are highly vulnerable

Socio-economic Characteristics

- High population density
- High prevalence of poverty
- Low levels of socio-economic development
- Growing inequity
- Higher dependency on natural resources
- Poor access to institutions and services
- Lack of connectivity in the lower Delta

Delta related Interventions: Adaptive Delta Management

- ADM project has a key focus on development & acculturation in Bangladesh and Indonesia
 - The research design facilitates the development of a network incorporating a multidisciplinary group of researchers, and practitioners, entrepreneurs, and policymakers in Indonesia, Bangladesh, and the Netherlands
- This research focuses on the problem of long-term planning in highly dynamic deltas under deep uncertainty. ADM is considered an innovative approach to cope with this problem



Delta related Interventions:

Hydro-Social Delta

- Hydro-Social Deltas aims to improve the understanding of flows of water, its impacts on people as well as to improve policies and strategies for disaster risk reduction and sustainable development of delta
 - Consortium partners are Wageningen University, Deltares, Bangladesh Centre for Advanced Studies (BCAS), Flood Hazard Research Centre (FHRC)
- This project focuses on hydro-social dynamics in the urbanizing Ganges-Brahmaputra- Meghna delta in Bangladesh and urbanized Netherlands Rhine-Meuse-Scheldt delta in the Netherlands
- This project will analyse the interactions between water and human systems via empirical and comparative analyses and unpack flows of migration and demographic change
- Advanced understanding of the complex web of interactions between dynamic physical and social process will help improve current policies for disaster risk reduction and urban development in delta areas



Delta related Interventions:

Case Study on Resilient and Inclusive Dhaka City

- Dhaka is a megacity in the South Asia having immense economic, political and cultural importance
- **Dhaka is characterized** with unplanned development, inadequate urban infrastructures and facilities, traffic congestion, low standard of living, environmental degradation, poor governance, lack of interagency coordination and growing climate change impacts on city population, economy and society
- **Dhaka is the home of over 15 million people within 306 sq km. The population density is very high**
- **The challenges towards resilient city:** addressing population growth, poverty and slum development, traffic congestion, affordable housing, pollution control, adequate and quality basic services for the poor, inter-agency coordination and good governance



Key Research Questions for Resilient City

- How to promote pro-poor and climate resilient housing and infrastructures in and around the city
- Inclusive and safe water, sanitation and health risk management
 - **Heat Stress Management of the Poor, Women, Children and Elderly People**
- Improve resilience to Small and Medium Enterprise (SMEs), trade, business & a growing Service Sector
- Synergy among the Sendai Framework, SDGs and Paris Agreement (NDCs) with focus on energy, industry, housing, transports and service sector in Dhaka for resiliency
 - **Adaptation and DRR**
 - **Mitigation and pollution control**
 - **Resources and energy efficiency**



Delta related Interventions:

Mainstreaming Gender in Water Management

- Mainstreaming gender equity in water is an integral part of IWRM
- CapNet organized a Capacity building workshop on the issues in April, 2017
 - Water professionals, practitioners and policy makers attended the Workshop
- Focus was to improve the understanding and produce evidence on existing gender discriminations and creating equal space and recognition for men and women in IWRM
 - Both theoretical discussion, conceptual clarity (perception mapping about gender role) and practical experiences were shared in the workshop to improve KAP



Delta related Interventions

Capacity Building & Advocacy

- Capacity building workshop on Climate Resilient WATSAN technologies was held in Dhaka in September 2018
 - It was attended by representatives from government organizations, CSOs, NGOs, INGOs and academic institutions
- Workshop aimed to strengthen the capacity of the professionals and network; & share experiences and lessons
- A study findings of BCAS on Effectiveness of WATSAN technologies in climate affected coastal Delta of Bangladesh were presented
 - Future challenges in WATSAN & Human health in coastal Bangladesh and role of the actors and stakeholders were discussed



Thank you



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