

Technologies for coastal zone
risk reduction: **Low Cost Climate
Resilient Housing and Saline
Water Purification technologies**

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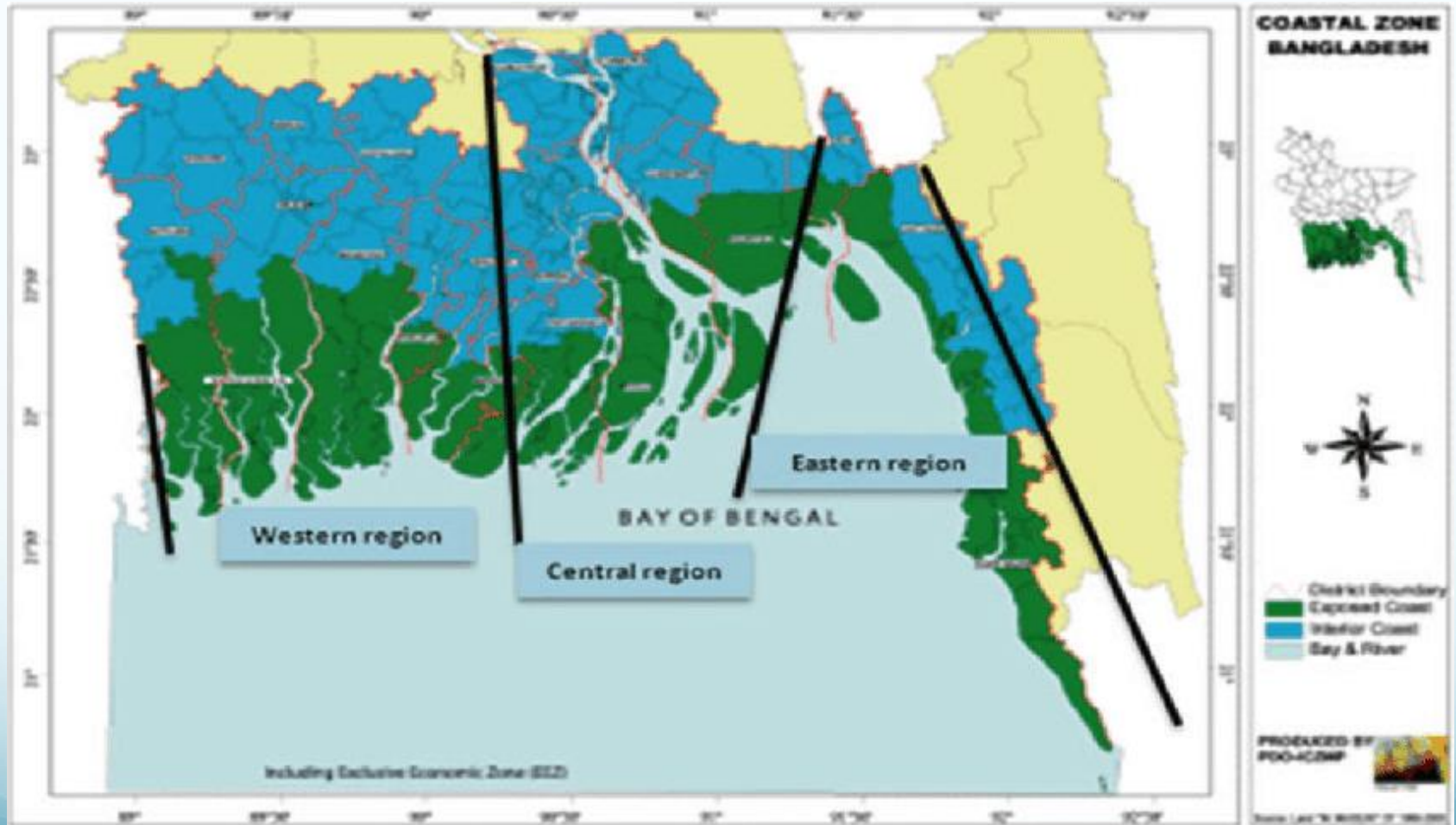
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SLR & Coastal Vul. of Bangladesh

- 710 km coastline
- 80% country flood plain, mean elevation of the coastal zone ranges from 1-2 meters (SW) and 4-5 meters (SE) (44,836 sq. km. or 33% of the total area of BD)
- 39 million people live in the 19 coastal districts
- Assessment of Sea Level Rise on Bangladesh Coast through trend Analysis was conducted by DoE
- Analysis of tidal water of 30 years shows average SLR was 6-21 mm/year
- To authenticate the findings, DoE has commissioned another project, “Assessment of Sea Level Rise (SLR) through satellite altimetry data.

Coastal Zone of Bangladesh



Low cost climate resilient housing technology and saline water purification technology

- Green Technology Centre, Korea is providing Technical Assistance
 - Korean Institute of Civil Engineering and Building Technology (KICT)_materials and Building Design
 - Glory and Tech is providing Saline water purification technology
 - Glory and Tech is piloting 10 RO & Filtration Plants in SW BD
 - Each plant is expected to provide clean water to 4000 people
 - Glory and Tech has applied for Host Country approval for the proposed project as a CDM project
 - They expect to maintain the plant for the 10 year crediting period with the sales proceed of CERs
 - G&T expect to sale the CERs to Korean ETS