



Community led practices for resilience against disasters

Case Study 3: Sundarbans, India

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Critical Water Infrastructure in the Sundarbans

- Embankments: 35 inhabited islands, 1800 km, erected late 18th century onwards
- Freshwater ponds: Common/Public property & private property





Disaster Risk to Critical Water Infrastructure

- Embankments: toe-line erosion and vertical collapse due to **tidal action** and breach due to overtopping during **storm surge**
- Freshwater ponds: inundation during **storm surge**







Dedicated freshwater pond for domestic use













Thank you

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