



**GLOBAL INVESTIGATIVE  
JOURNALISM CONFERENCE**

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# The Investigative Agenda for Climate Change Journalism

## Sea Level Rise

Bangladesh perspective

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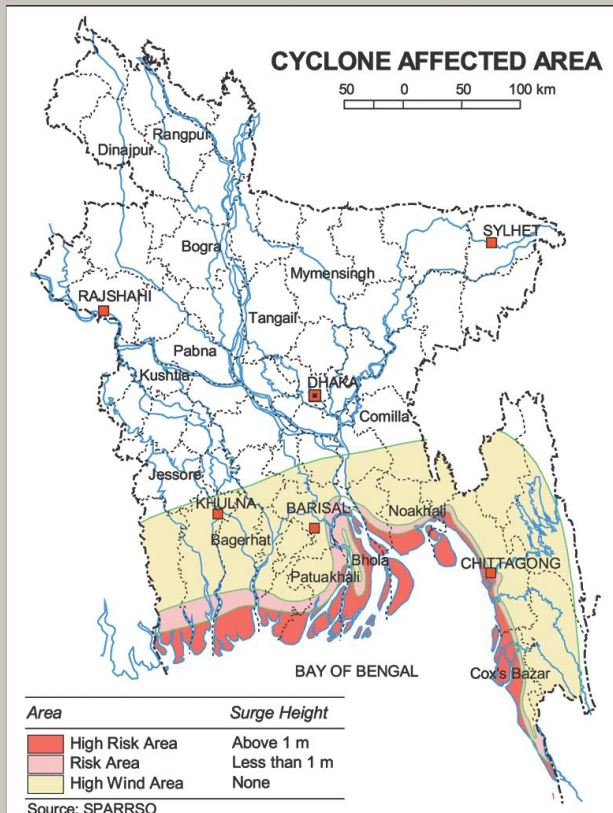
**Panelists:**

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# Sea Level Rise



- IPCC estimates - sea level has rising an average 5 millimeters per year in Bangladesh
- Bangladesh Environment Department estimates 10 millimeters
- Coastal cities including Dhaka-Sinking 20mm per year
- Out 64 districts 19 are coastal districts, Total population 167million
- Rising sea levels will submerge around 17% of the country's coastal lands by 2050
- Displace about 20 million people by 2050.
- Climate change is costing the country 1% of its gross domestic product (GDP) every year

# Case study

## Migration

- Loss of Habitat/ homes/ livelihood / life in urban slums

## Increasing salinity

- Loss of agricultural land
- Threat to food security

## Impacts on health/ crisis of water

- Diseases / malnutrition/ reproductive health

## Impact on Agriculture

- Threat to food security

## Loss of Culture/ Tradition

- Buffalo yogurt / sweet
- Naming culture related marine resources

## Extreme events

- storms, heat and cold waves, droughts and floods

## Migration a big issue



- Migration : Internal and External
- Daily 2000 people moving to Dhaka
- Moving to Europe/ USA
- Growing climate migrants slums
- Depriving from basic needs
- Trafficking ( female are main targets)
- Drugs dealing
- Children not getting birth registration
- Policy gap– no legal protection for migrants
- Increasing poverty (over 20%)

# Loss of biodiversity/ buffalo



- Buffalo was main sources of protein of coastal people
- Salinity causes reproductive system hampered population fall over 60% in 2 decades, extremer weather, flood, Lightening other major causes
- 55% increase in salinity in coastal districts by 2050, causing infertility, malnutrition, and frequent illnesses in buffalo.
- Culture of serving buffalo yogurt/ sweet in different ceremony losing from
- Fall milk buffalo rises import of powder milk
- Profession shift from buffalo rearing to salt cultivation
- Because of the decline, buffalo curd, milk, and meat are hardly on the food lists of 40 million coastal people, making it difficult for them to meet their protein demand.

# Impacts on health/ water



- Saline water is affecting public health.
- Women and girls are the worst affected.
- Reproductive health and maternal risks are high.
- Women are prone to high blood pressure during pregnancy.
- Diseases are increasing due to salt water.
- Medical services in clinics and hospitals are inadequate.
- The crisis is exacerbated by natural hazards.
- Poor families have no budget for treatment.
- Clinics are often damaged by cyclones.
- Children grow up with stress.
- Families do not have nutritious food.

# Impact on Agriculture



- Rising sea levels are forcing farmers out of their jobs.
- Many farmers are forced to move to cities for livelihood.
- Many coastal farming families have been displaced.
- Farmers are losing their land.
- Due to the saline water, many families are trying to survive by cultivating floating crops.
- Single mother farming families struggle to survive even harder.
- High tidal pressure and salinity are making cropland uncultivable.
- Many farmers in distressed areas are left out of government support.
- Coastal farmers are not able to make a living depending on agriculture alone.

# Tools and technique



- Follow [Internal](#) Displacement Monitoring Center for tracking migration
- Tracking increasing new climate migrants slums in urban areas
- [For info on diseases-- International](#) Centre for Diarrhoeal Disease Research, Bangladesh
- [For salinity --Bangladesh](#) Soil Resource Development Institute
- Local data-Record of hospitals for diseases– such dengue
- Follow climate plan--Policy gaps of government – widening inequality / tracking policy
- Collecting Data from the ground
- Information gathering through networking
- Prioritizing the voice of marginalized people
- Monitoring coastal changes– [CEGIS](#)-Center for Environmental and Geographic Information Services.

# Thank you

For More Information please feel free to reach out



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