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Impact of climate change on agrifood production and dietary diversity in southern Bangladesh

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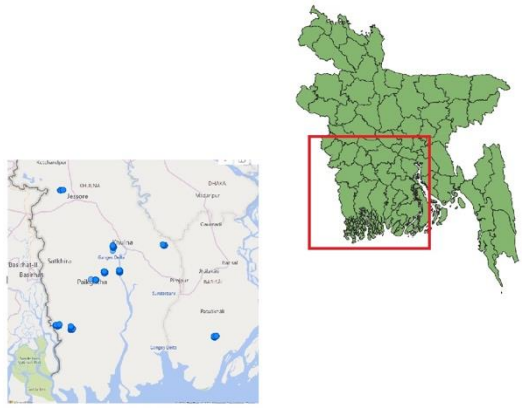
Introduction

Bangladesh's **agrifood production and consumption** are significantly threatened by global climate change, yet the effects on agrifood systems, dietary diversity, and adaptive strategies remain inadequately understood.

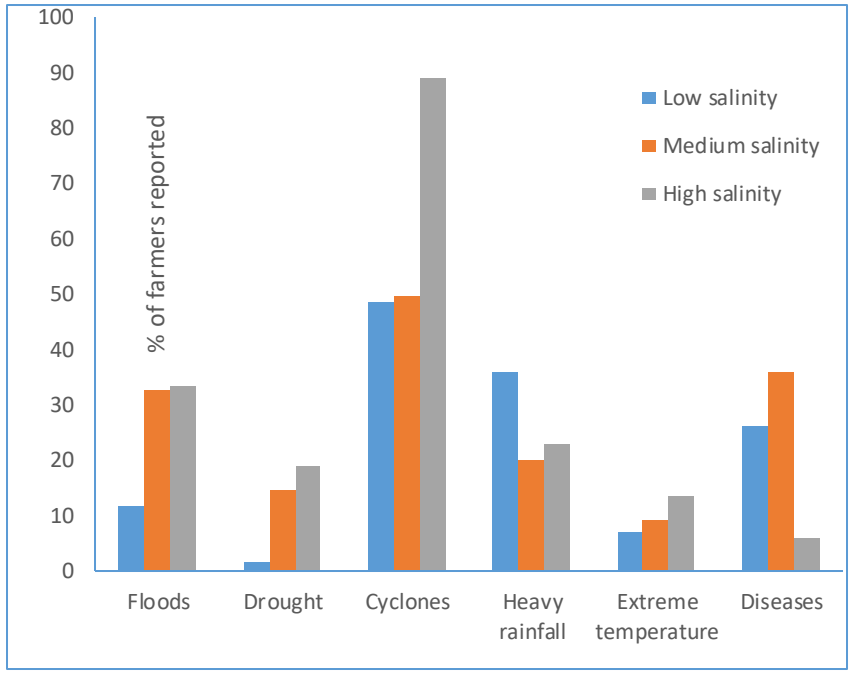
Materials and Methods

- Study area: **Southern Bangladesh**
- Structure questionnaire survey: **768 farmer**



Results and Discussion

- 90% of farmers experienced **crop losses due to climate-related events**
- **Mean 2.5 occurrences** per event over the past decade
- **Aquatic food production** suffered greatly, with 82% of farmers reporting **reduced food consumption and diversity**



- Farmers adopted **improved crops**, **refined techniques**, **and better water management**, **strengthening agrifood resilience**

Policy Implications

This research calls for **climate-resilient policies** in Bangladesh, focusing on adaptive techniques, infrastructure, and long-term mitigation strategies.

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