Shrimp farming as adaptation to salt intrusion in coastal Bangladesh

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Session: SC 2.3 Food production systems, 12 May 13.45-15.30, New York Room

Main lesson: Explore with people whether adaptation to an alternative livelihood is equitable and sustainable under climate change.





<u>Today</u>

- Introduce myself & case study
- Research questions: adaptation of agricultural system under salt intrusion
- Main concept: adaptation pathways
- Results & Conclusions for adaptation

Making Acquaintance:

Wageningen University and Research Centre Teaching, research + consulting for governments Interest: how to adapt to climate change in water management



12/05/2016

Experiment



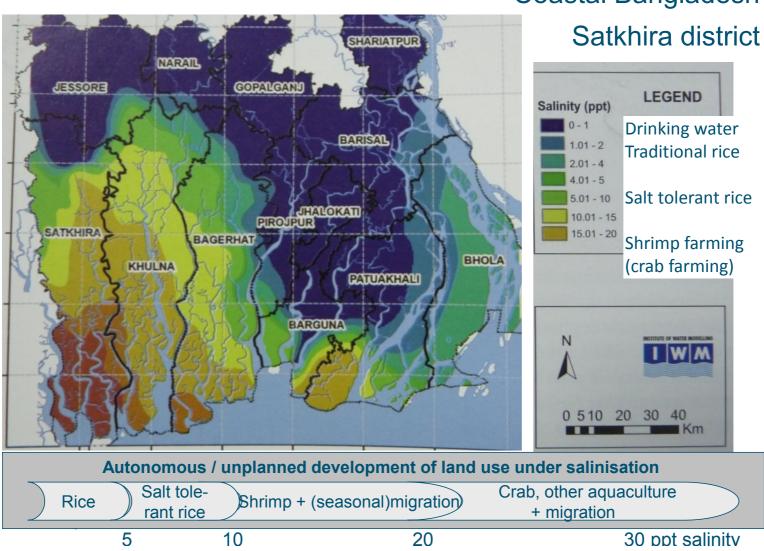
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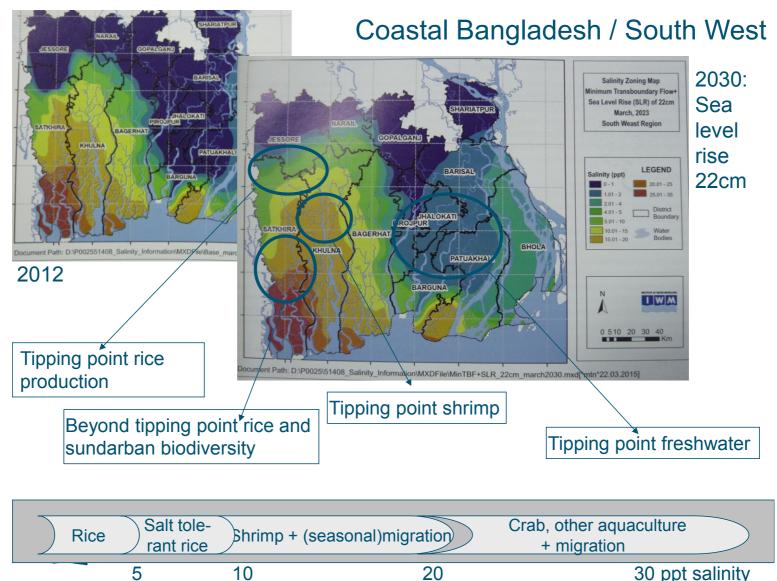


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Coastal Bangladesh



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30 ppt salinity

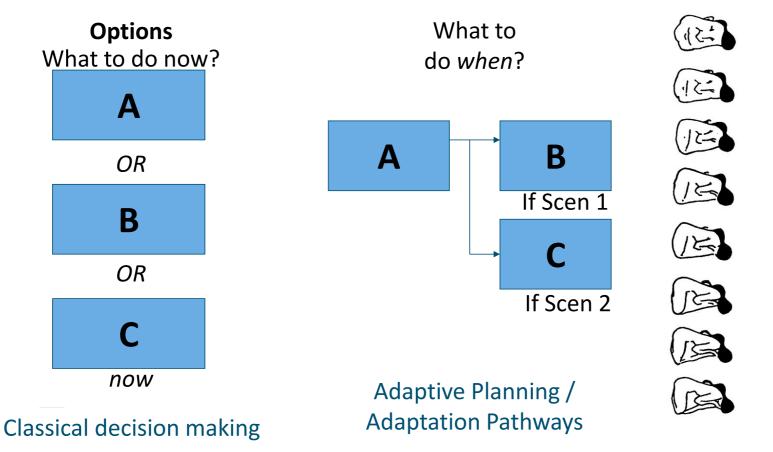
Research Question

- What are the main challenges for the (future of) coast
- How do actor propose to overcome these challenges?
- (with a focus on livelihoods. For the case study area: how do actors propose to adapt to increasing salinity?



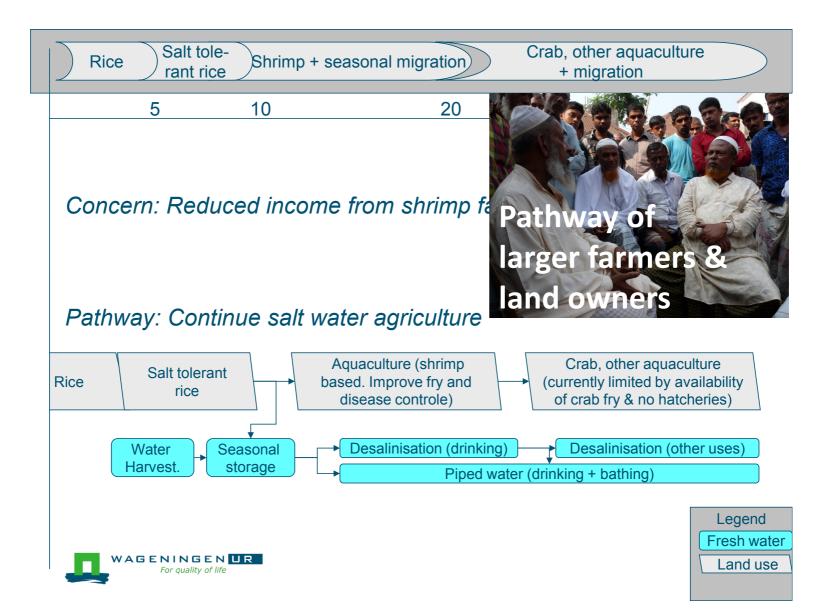
Research Concept: Adaptation Pathways

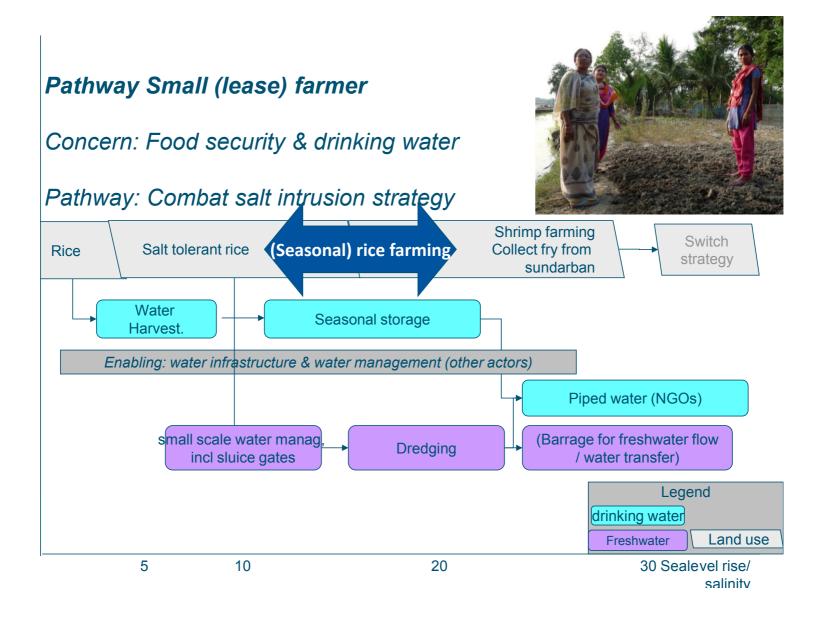
Different approaches for adaptation

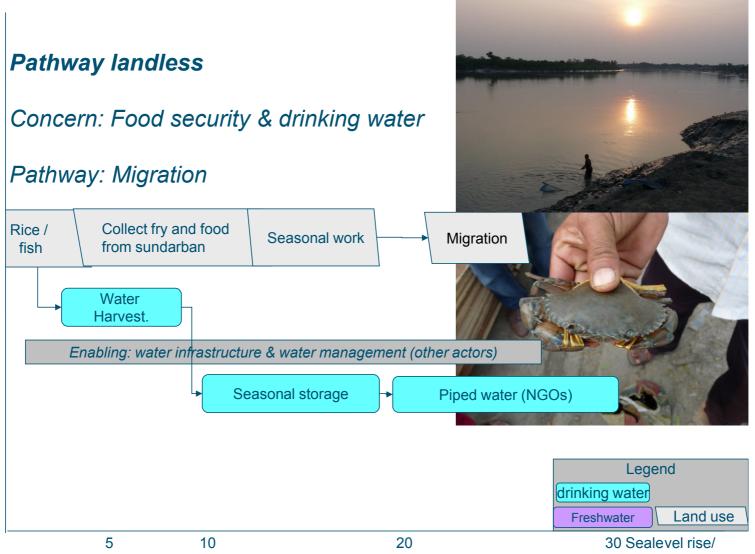


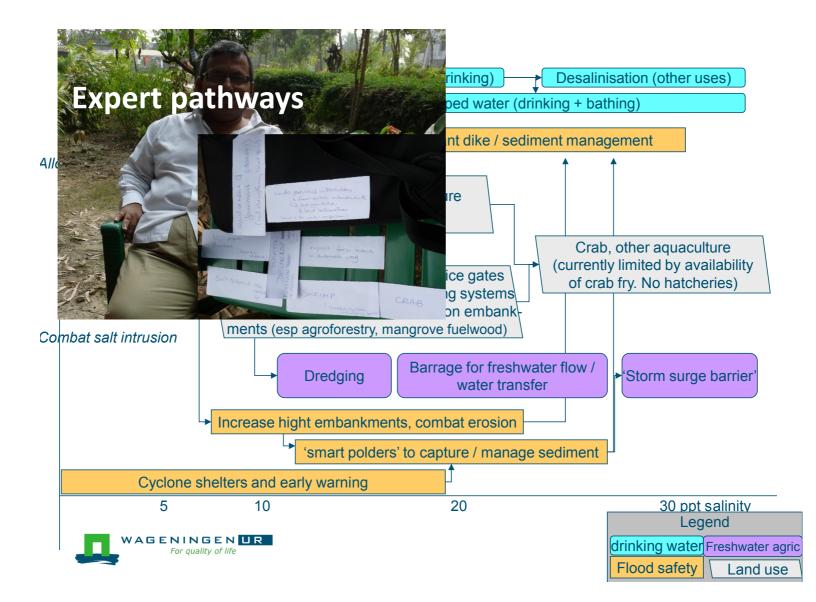
<u>Research Method:</u> Survey, interview, focus group

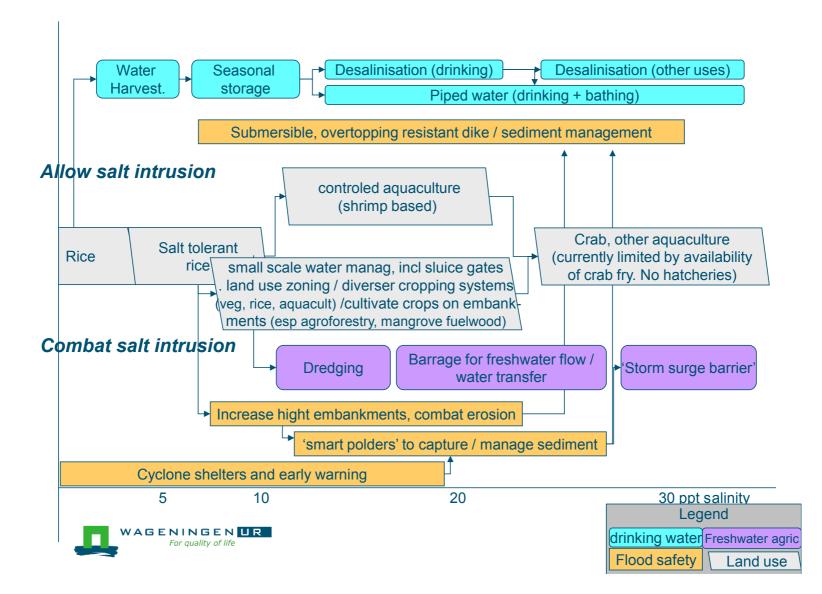












Conclusion / Experience

Methodological

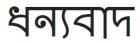
- Adaptation pathways as a concept for mapping the perspective of different actors (communities)
- Time aspect is needed in adaptation. Pathways help to discuss short, medium, long term adaptation

Adaptation in food systems:

- Be aware of lock-in when planning adaptation to alternative food systems ('social tipping point')
- Consider who are beneficiaries of adaptation (both autonomous and planned)



Thank you!



- Contact: <u>Saskia.werners@wur.nl</u>
- Discussion / questions / feed-back?

