The challenge of co-production of Climate Information Services

Services for society to adapt to climate variability and change

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Focus: Use our growing ability to project climate change impacts for planning under uncertainty and to anticipate change: what to do & when to do what?
Experiment
Motivation

Opportunity
Types climate information services (CIS)

1. CIS for disaster risk management (real time)
2. CIS for adaptation planning (long time scale)
3. CIS for adaptive decision making (short / medium time)

One way or two-way communication (sending information or co-production)
Info system for adaptive water management
Thank you!

Adaptive water management

*Focus*: Use our growing ability to project climate change impacts for planning under uncertainty and to anticipate change:

*what to do, who acts & when to do what?*

Questions?

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Recent: Climate Services + Citizen science

- Environmental Virtual Observatories (EVO)
- Citizens engage in the monitoring of their environment

Adaptive management

- **Contribute to adaptation planning:**
  Planning approaches:
  1) Identify adaptation needs (what is ‘too’: adaptation turning points);
  2) Working with multiple strategies that can be alternated between depending on developments (adaptation pathways)

- Nature-based Adaptation

- Climate Services
Adaptive Delta Management / consulting

- Bangladesh Delta Plan 2100

( .. Nepal)
Hydroclimatic information services

In two projects (Ghana, Bangladesh):
- INREF-supported EVOCA project (Environmental Virtual Observatories For Connective Action)
- WaterApps project (Water Information Services for Peri-Urban Agriculture)

Daily supervisor of three PhD students in these projects (Emmanuel Nyadzi (2016-2019), Talardia Gbangou (2016-2019) and Uthpal Kumar (2017-2020)), and closely involved in the projects of two more PhD students.

Supervisor of MSc thesis work