

## Climate-Resilient Water Management Approaches: Adaptation in an Age of Uncertainty

A webinar series from UNESCO, AGWA, & ICIWaRM

### Webinar 4 | Facing Uncertainty in Water Management: From Urban Water Supply to Agriculture

Friday, 22 January 2021; 12:00-13:30 UTC / 13:00-14:30 CET

Registration link - [https://unesco-org.zoom.us/webinar/register/WN\\_vyK1AZ5MTFOtBj37I5spjQ](https://unesco-org.zoom.us/webinar/register/WN_vyK1AZ5MTFOtBj37I5spjQ)

The benefits offered by climate-resilient water management approaches are increasingly recognized and promoted across sectors and in vastly different contexts. This webinar will illustrate multiple ways to approach and adapt to variability and uncertainty in cases ranging from urban to agricultural settings.

First, speakers will highlight the use of the Climate Risk Informed Decision Analysis (CRIDA) methodology for addressing urban water supply challenges in Asia. In Bangkok, Thailand and Colombo, Sri Lanka, CRIDA was used to identify potential vulnerabilities to municipal water supply systems and to propose concrete adaptation measures for reducing future risk to water security.

In the second presentation, speakers will cover the novel “Valuing Variability” concept that offers new perspectives on using water variability for food production in sub-Saharan Africa. Valuing Variability focuses on the experience and knowledge of small-scale food production systems with a long track-record of operating in regions with extreme water variability. Presenters will share examples concerning water management in the African drylands, amongst producers specializing in animal husbandry and crop farming.

To provide for an interactive webinar, each presentation will be followed by a Q&A session featuring questions from the audience.

#### Webinar Agenda (*times listed as CET*)

Moderated by: **Anil Mishra**, Programme Specialist, Division of Water Sciences, UNESCO

13:00–13:05 | Welcome and Opening Statement by **Anil Mishra**, Programme Specialist, Division of Water Sciences, UNESCO

13:05–13:25 | *Towards climate resilient urban water supply under uncertainties: Cases from Bangkok and Colombo* by **Mukand Babel**, Professor of Water Engineering Management, Asian Institute of Technology (AIT)



13:25–13:45 | Moderated Q&A with **Mukand Babel, Yasas Upeakshika Amilakumari Bandara**, AIT, **and Rachel Koh**, PhD Candidate, Singapore University of Technology and Design

13:45–14:05 | *The ‘Valuing Variability’ concept: a bottom-up perspective on using water variability for food production in sub-Saharan Africa* by **Saverio Krätli**, IIED and BRECCIA Programme of the University of Southampton, **and Fiona Ngarachu**, Research Fellow, Kenyatta University, and BRECCIA Programme of the University of Southampton

14:05–14:25 | Moderated Q&A with **Saverio Krätli and Fiona Ngarachu**

14:25–14:30 | Closing Remarks and Announcements by **Will Logan**, Director, ICIWaRM