

Climate Change and Community Resilience: Insights from South Asia

8–11 October 2020 | ZOOM

16:00–22:30 Nepal Standard Time (UTC+05:45)



About the book

This book (to be published in 2021) documents how communities in South Asia are building their resilience to climate change. At a time when climate change presents humanity with an uncertain and gloomy future, the stories of innovation, creativity, grassroots engagement, and locally applicable solutions documented in this book provide hope and pathways for sustainability. The narrative style of writing makes the volume accessible to a diverse audience.

The wrath of climate change has descended with particular vigour and multifaceted threats in South Asia, where a quarter of global population resides in 3.5% of world's land area – making it the most populous and most densely populated region of the world. It is the most impacted region of the world to climate change – both in terms of fatalities and economic losses that occurred between 1998 and 2017.

This book documents community-level initiatives from seven countries in South Asia, highlighting how communities have been dealing with climate change. Readers will get a glimpse of community efforts at climate change adaptation and community resilience from a diverse set of case studies. This book also addresses the Sustainable Development Goals linked to community initiatives. It thus provides a community-based approach to solving some of the grand challenges that face humanity today.

The book contributes to the literature on climate change adaptation and community resilience in the following ways:

- Provides heterogeneous and locally grounded community solutions to climate change in different institutional settings
- Offers rigorous research narrated in storytelling style accessible to a wide range of audiences
- Thematically binds the geographical diversity of the region – essential reading for anyone looking for grassroots examples from South Asia

Editors

- A K Enamul Haque, Professor, East West University
- Pranab Mukhopadhyay, Professor, Goa University
- Mani Nepal, Programme Coordinator, SANDEE
- Md Rumi Shammin, Professor, Oberlin College

About the writeshop

More than 50 authors contributing to the edited book *Climate Change and Community Resilience: Insights from South Asia* will come together in an online writeshop to present and discuss their papers. The writeshop will help the authors better align their contributions to the book's theme. The book will consist of over 28 chapters with case studies from seven South Asian countries.

Agenda

DAY 1 – THURSDAY, 8 OCTOBER 2020

Time	Activity	Speaker
16:00–16:10	Welcome and introduction	Mani Nepal, Programme Coordinator, SANDEE, ICIMOD, and Editor
16:10–16:25	Introducing the volume	Md Rumi Shammin, Associate Professor of Environmental Studies, Oberlin College, and Editor
16:25–16:45	Presentation – Linking research to policy	Laurie Vasily, Head of Knowledge Management and Communication, ICIMOD

TECHNICAL SESSION 1

Session chair: **Enamul Haque**

Time	Activity	Presenter	Paper title	Discussant	Theme
16:45–17:25	Presentation 1	E P N Udayakumara	Climate variability and soil erosion in Samanalawe-wa catchment, Sri Lanka: Examples of farmers' adaptation	Manjula Menon	Disaster risk reduction
17:25–18:05	Presentation 2	Heman D Lohano	Resilience through crop diversification: Evidence from Pakistan	Saudamini Das	Disaster risk reduction
18:05–18:15	Break				
18:15–18:55	Presentation 3	Manjula Menon	Climate information for building small holder resilience: Experience from India	E P N Udayakumara	Disaster risk reduction
18:55–19:35	Presentation 4	Saudamini Das	Mangrove conservation for vulnerable coastal areas: Valuing storm damage averted by mangroves	Heman D Lohano	Disaster risk reduction
19:35–20:05	Break				
20:05–20:20	Opening remarks – David Molden, Director General, ICIMOD				

TECHNICAL SESSION 2

Session chair: **Pranab Mukhopadhyay**

Time	Activity	Presenter	Paper title	Discussant	Theme
20:20–21:00	Presentation 5	Md Rumi Shammin	Disaster risk reduction and emergency response management: Stories and lessons from Bangladesh	Ajaz Ahmad	Disaster risk reduction
21:00–21:40	Presentation 6	Ajaz Ahmad	Farming communities' autonomous adaptation to monsoon flooding in Pakistan	Md Rumi Shammin	Traditional knowledge and agricultural sustainability

DAY 2 – FRIDAY, 9 OCTOBER 2020

Time	Activity	Speaker
16:00–16:15	Introduction of editor	Aunohita Mojumdar, Language Editor
16:10–16:30	Introduction of publisher	Nupur Singh, Springer Nature

TECHNICAL SESSION 3

Session chair: **Md Rumi Shammin**

Time	Activity	Presenter	Paper title	Discussant	Theme
16:30–17:10	Presentation 7	Indira Devi	Resilience to stresses: Conservation Responses and exploitative reactions – Evidences from South India	Tshotsho	Traditional knowledge and agricultural sustainability
17:10–17:50	Presentation 8	Fathimath Shafeeqa	Climate adaptation by farmers in three communities in the Maldives	R Balasubramanian	Traditional knowledge and agricultural sustainability
17:50–18:00	Break				
18:00–18:40	Presentation 9	R Balasubramanian	Climate sensitivity of groundwater systems: Does it matter for agricultural income in South India?	Fathimath Shafeeqa	Traditional knowledge and agricultural sustainability
18:40–19:20	Presentation 10	Tshotsho	Traditional community knowledge as a safety net against climate change: Agro-economic conditions of traditional paddy growers in Bhutan	Indira Devi	Traditional knowledge and agricultural sustainability
19:20–19:50	Meal break				

TECHNICAL SESSION 4

Session chair: **A K Enamul Haque**

Time	Activity	Presenter	Paper title	Discussant	Theme
19:50–20:30	Presentation 11	Ngawang Dendup	Community based tourism: Climate Change adaptation initiatives and resilience building in Bhutan	Dayani Gunathilaka	Alternative livelihoods
20:30–21:10	Presentation 12	Santadas Ghosh	Climate change, ecological stress and livelihood choices of the youth: Findings from Sundarban in India	Ngawang Dendup	Alternative livelihoods
21:10–21:50	Presentation 13	Dayani Gunathilaka	Agricultural adaptation in a changing climate: The case of vegetable farmers in Sri Lanka	Santadas Ghosh	Alternative livelihoods

DAY 3 – SATURDAY, 10 OCTOBER 2020

Time	Activity	Speaker
16:00–16:20	Publishing with Springer – Experience sharing	Philippus Wester, Regional Programme Manager, MKAN, ICIMOD

TECHNICAL SESSION 5

Session chair: **Pranab Mukhopadhyay**

Time	Activity	Presenter	Paper title	Discussant	Theme
16:20 – 17:00	Presentation 14	A.K. Enamul Haque	Strategy for developing community engagement in the solid waste management: A gender-based study of solid waste management in Sylhet City Corporation	Rajesh K Rai	Urban sustainability
17:00–17:40	Presentation 15	Mani Nepal	Adapting to urban flooding for climate change resilience in Nepal	Estiaque Bari	Urban sustainability
17:40–17:50	Break				
17:50–18:30	Presentation 16	Rajesh K Rai	Payment for ecosystem services for sustainable provisioning of drinking water in small towns in Nepal	A K Enamul Haque	Urban sustainability
18:30–19:10	Presentation 17	Estiaque Bari	Local strategies to build climate resilient communities in Bangladesh	Mani Nepal	Urban sustainability
19:10–19:40	Meal break				

TECHNICAL SESSION 6

Session chair: **Mani Nepal**

Time	Activity	Presenter	Paper title	Discussant	Theme
19:40–20:20	Presentation 18	Pranab Mukhopadhyay	What influences rural poor in India to refill their LPG?: A district-level analysis	Shamen P Vidanage	Technology adoption
20:20–21:00	Presentation 19	Shamen P Vidanage	Small tank cascade systems in Sri Lanka as a traditional way of building climate resilience in farming community in its dry zone	Rishiram Kattel	Technology adoption
21:00–21:10	Break				
21:10–21:50	Presentation 20	Rishiram Kattel	Rainwater harvesting technologies and rural livelihoods: Evidence of adaptation to climate change in Nepal	Pranab Mukhopadhyay	Technology adoption
21:50–22:30	Presentation 21	TBD			

DAY 4 – SUNDAY, 11 OCTOBER 2020

Technical session 7

Session chair: **A K Enamul Haque**

Time	Activity	Presenter	Paper title	Discussant	Theme
16:00–16:40	Presentation 22	Upasna Sharma	Are community-based institutions an answer to spur climate adaptation by the residents of urban informal settlements?: Evidence from India	Md Rumi Shammin	Equity and justice
16:40–17:20	Presentation 23	Prajna Paramita Mishra	Resilience to stresses: Conservation responses and exploitative reactions – Evidence from South India	Raquibul Amin	Equity and justice
17:20–17:30	Break				
17:30–18:10	Presentation 24	Md Rumi Shammin	Small-scale solar solutions for climate change resilience in Bangladesh	Prajna Paramita Mishra	Equity and justice
18:10–18:50	Presentation 25	Raquibul Amin	A resilience framework for climate adaptation: The Shyamnagar story	Upasna Sharma	Concepts and models
18:50–19:05	Closing remarks – Eklabya Sharma, Deputy Director General, ICIMOD				

TECHNICAL SESSION 8

Session chair: **Mani Nepal**

Time	Activity	Presenter	Paper title	Discussant	Theme
19:35–20:15	Presentation 26	Chandrasekhar Bahinipati	What motivates farmers' adaptation behaviour to climate change in India? A systematic review of literature	Md Rumi Shammin	Concepts and models
20:15–20:55	Presentation 27	Md Rumi Shammin	Meta-analysis of community-based climate change adaptation programs in developing countries	Chandrasekhar Bahinipati	Concepts and models
20:55–21:35	Presentation 28	Md Rumi Shammin	A framework for climate resilient community-based adaptation	Chandrasekhar Bahinipati	Concepts and models
21:35–21:50	Summing up – A K Enamul Haque, Professor, Department of Economics, East West University, and Editor				
21:50–22:00	Way forward – Pranab Mukhopadhyay, Professor of Economics, Goa University, and Editor				

Organized by: South Asian Network for Development and Environmental Economics (SANDEE) – International Centre for Integrated Mountain Development (ICIMOD); East West University, Bangladesh; Goa University, India; and Oberlin College, USA



For further information

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