

Meridian 180 Forum

# Local Knowledge and Community Participation in Disaster Response

Disasters affect us more frequently and severely than ever before. To save lives and mitigate the adverse impacts of disasters, local knowledge is an indispensable resource and a capacity that should be utilized in any disaster response, and community participation is essential to identifying such local knowledge. This forum discusses how local knowledge has been adopted and used in disaster responses, and explores various methods to identify or revalidate local knowledge through community participation.



Northwestern  
BUFFETT INSTITUTE  
FOR GLOBAL AFFAIRS | MERIDIAN180

January 26, 2023 10:00-13:00 (Osaka, Seoul)  
06:30-09:30 (New Delhi) 08:00-11:00 (Jakarta)  
09:00-12:00 (Beijing, Manila)

January 25, 2023 19:00-22:00 (Chicago)

Venue: Online (Zoom Webinar)

Language: English

(Simultaneous interpretation will be provided in Chinese, Korean, Bahasa Indonesia and Japanese.)

Registration



<https://tinyurl.com/2flebz6h>

## Session 1

### Disaster-affected Communities in the Intersection of Global and Local Knowledge

Moderator  
Discussant



**Hirokazu Miyazaki**

Professor, Department of Anthropology, Northwestern University, USA

**Manu Gupta** (Founder, Sustainable Environment and Ecological Development Society (SEEDS), India)

**"Leveraging local community networks for building disaster resilience"**

**Muhammad Riza Nurdin** (Visiting Researcher, Asia-Japan Research Institute, Japan)

**"Faith-based organizations and social capital in Indonesian post-disaster recovery"**

**Caroline Reeves** (Associate in Research, Harvard University Fairbank Center, USA)

**"Historical narratives and lessons learned: Plague in early 20th-century China"**

## Session 2

### Interdisciplinary Methods to Identify Local Knowledge through Community Participation

Moderator  
Discussant



**Miwa Hirono**

Professor, College of Global Liberal Arts, Ritsumeikan University, Japan

**D. Moritz Marutschke** (Associate Professor, College of Global Liberal Arts, Ritsumeikan University, Japan)

**"Quantifying social capital in post-disaster Indonesia: An AI-based language model approach"**

**Gian Powell Marquez** (Associate Professor, College of Global Liberal Arts, Ritsumeikan University, Japan)

**"Ecosystem approach in disaster risk reduction: Mangrove conservation and rehabilitation"**

**Daniel Horton** (Assistant Professor, Department of Earth and Planetary Sciences, Northwestern University, USA)

**"Building resilience to heat vulnerability via community-based participatory research in Chicago, Illinois"**



Speakers



**Manu Gupta**

Founder, Sustainable Environment and Ecological Development Society (SEEDS), India



**Muhammad Riza Nurdin**

Visiting Researcher, Asia-Japan Research Institute, Japan



**Caroline Reeves**

Associate in Research, Harvard University Fairbank Center, USA



**D. Moritz Marutschke**

Associate Professor, College of Global Liberal Arts, Ritsumeikan University, Japan



**Gian Powell Marquez**

Associate Professor, College of Global Liberal Arts, Ritsumeikan University, Japan



**Daniel Horton**

Assistant Professor, Department of Earth and Planetary Sciences, Northwestern University, USA