
Welcome
To My Talk

**Being an Urban Planner:
Academic Career Perspective**

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Post-Doctoral Research Fellow
Institute for Risk & Disaster Reduction
University College London (UCL)

9 April 2019

Academic Background

PhD in Disaster Risk Reduction (DRR) – 2017

Institute for Risk and Disaster Reduction, University College London (UCL), **UK** [Commonwealth Scholar]

MSc in Geospatial Technologies – 2011

Joint degree awarded by (European Commission Scholar):

- Westfälische Wilhelms-Universität Münster, **Germany**
- University of Jaume I, Castellón, **Spain**
- University of New Lisbon, Lisbon, **Portugal**

Bachelor of Urban and Regional Planning – 2008

Bangladesh University of Engineering and Technology (BUET)

Research Grants

1. **Project Coordinator:** **"Resilient Futures for the Rohingya Refugees"**; £500,000 funded by the Royal Society (Grant Scheme: Challenge-led Grants); March 2019 – September 2021.
 2. **Project Coordinator:** **"Rohingya Journeys of Violence and Resilience in Bangladesh and its Neighbours: Historical and Contemporary Perspectives"**; £300,000 funded by the British Academy (Grant Scheme: Sustainable Development Programme 2018); September 2018 – December 2020.
 3. **Project Coordinator:** **"The Rohingya Exodus: Issues and Implications for Stability, Security and Peace in South Asia"**; £50,000 funded by the British Academy (Grant Scheme: Tackling the UK's International Challenges 2017); January 2018 – March 2019.
 4. **Researcher-Investigator:** **"INSPIRE: Indonesia School Programme to Increase Resilience"**; £120,000 funded by the Newton Fund Institutional Links Programme and British Council in the UK; March 2018 – December 2019.
 5. **Project Coordinator:** **"Response of Disasters through Resilience: Addressing Extreme Climatic Disasters to Annihilate the Insecurity of Food, Nutrition and Livelihood – A Study on Disaster Affected Areas in Bangladesh"**; £100,000 funded by the UNDP China and International Center for Collaborative Research on Disaster Risk Reduction (ICCR-DRR), Beijing, China; January – December 2017.
 6. **Researcher-Investigator:** **"Increasing Resilience to Environmental Hazards in Border Conflict Zones"**; £170,795 funded by the UK Natural Environment Research Council (NERC), the Arts & Humanities Research Council (AHRC), and the Economic & Social Research Council (ESRC); January – December 2017.
 7. **Project Coordinator:** **"Evaluation of the Vulnerability to Resilience (V2R) Programme"**; £20,000 funded by the British Red Cross (BRC); January – May 2016.
 8. **Project Coordinator:** **"Developing a Dynamic Web-GIS based Early Warning System for the Communities Living with Landslide Risks in Chittagong, Bangladesh"**; US\$25,000 funded by the USAID and NASA. Implemented by BUET-Japan Institute of Disaster Prevention and Urban Safety (BUET-JIDPUS), Bangladesh University of Engineering and Technology (BUET); June 2014 – September 2015.
-

Landslide Work



Landslides



Hill Cutting



Indigenous Tribal Communities



2017 Rohingya Exodus



Land Cover Mapping

(a) 1998



(b) 2001



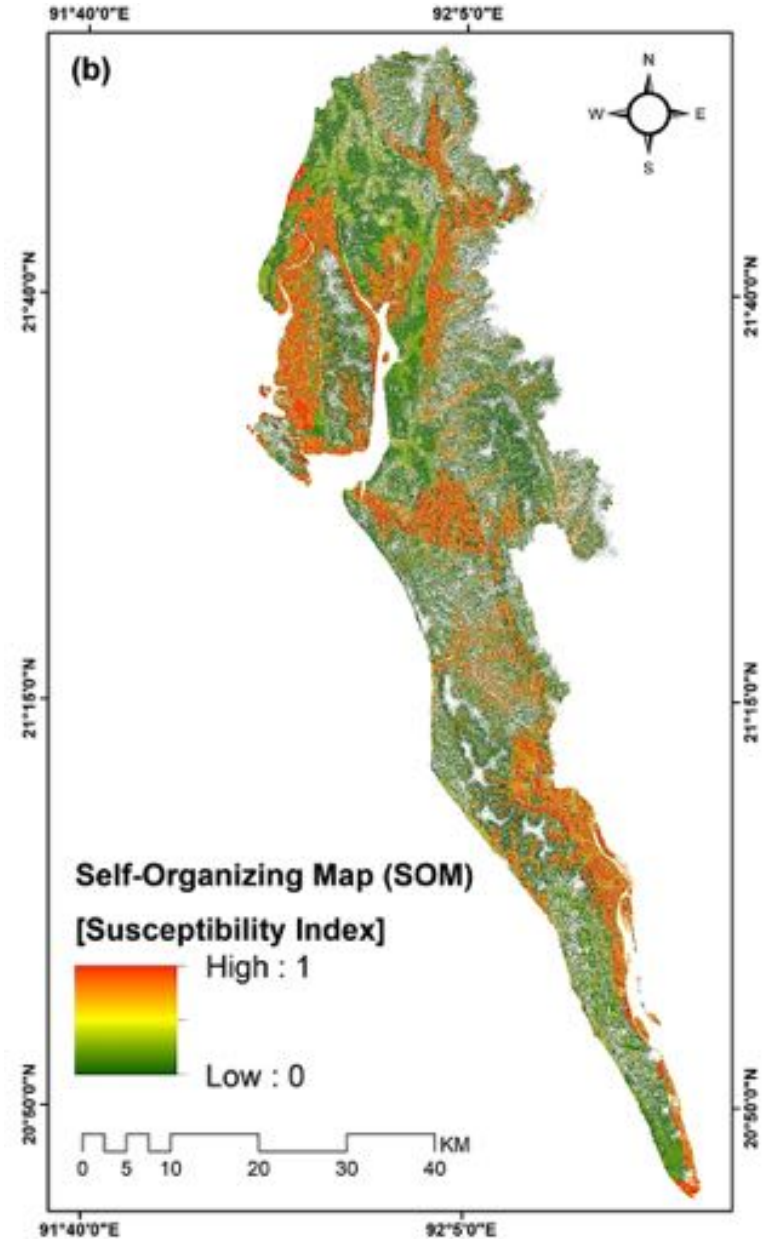
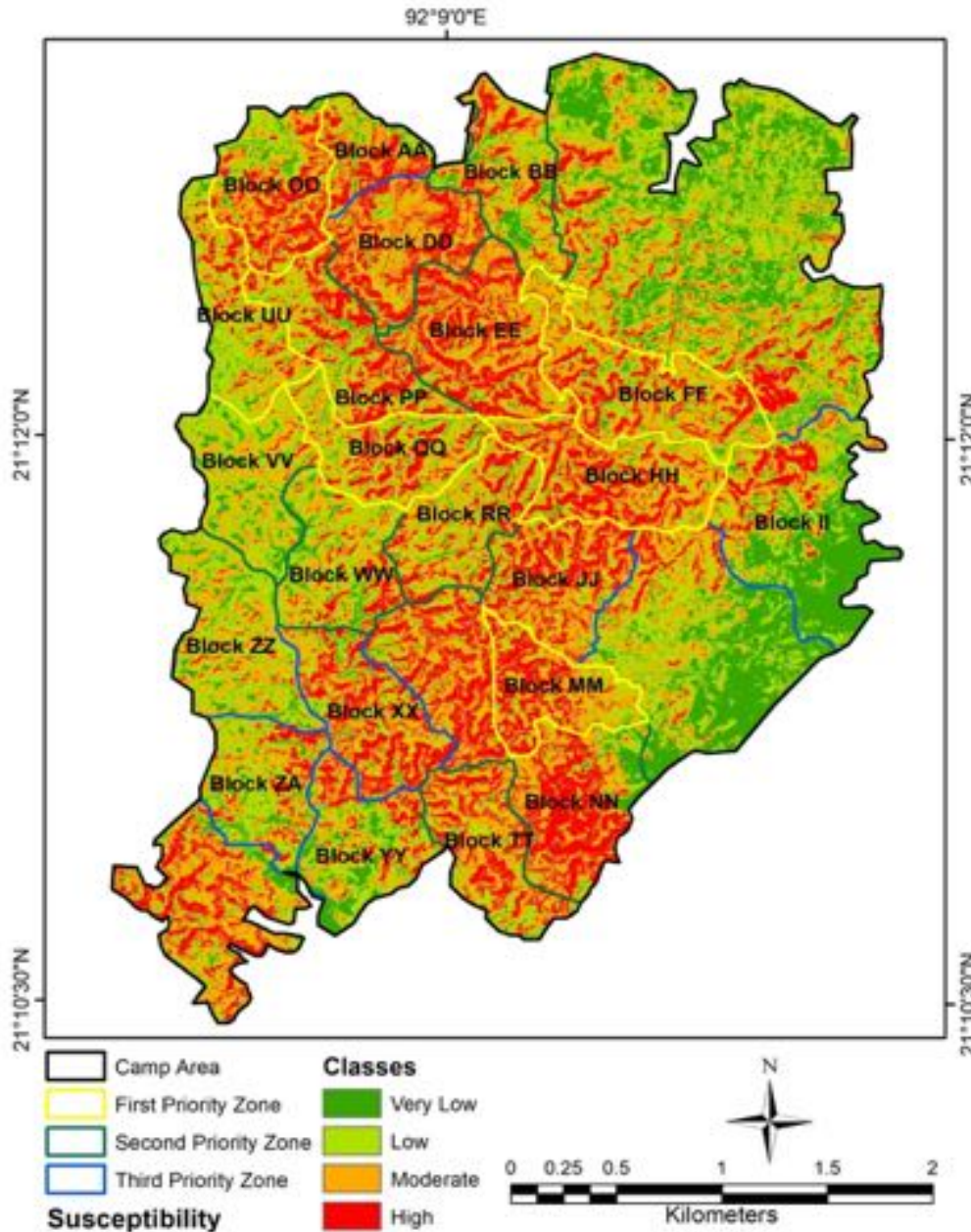
(c) 2017



(d) 2018



Landslide Susceptibility Mapping (LSM)





Certificate of Recognition

ICIMOD

FOR MOUNTAINS AND PEOPLE

Winner of the

ICT for Mountain Development Award 2015

that recognizes the innovative use and application of information and communication technology for mountain development and conservation.

Bayes Ahmed

'Early warning System for the communities living with landslide risks in Chittagong Metropolitan Area'

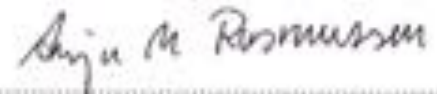
awarded on International Mountain Day
11 December 2015



David Molden
Director General
ICIMOD



Sushil Pandey
ICT for Development
KMC, ICIMOD



Anja Rasmussen
Senior Manager, KM and Communication
ICIMOD



Kashmir – India

**18 Soldiers
were killed in
flash
flooding in
July 2015**



सप्टे १
SAPPER SATISH ROAD
←
CONSTRUCTED BY
236 ENGR REGT
DURING
'OP VIJAY'
WORK STARTED - 19 JUL 10
WORK FINISHED - 20 SEP 10
SAPPER SATISH KUMAR OF 236 ENGR REGT
WHILE CARRYING OUT INITIAL ALIGNMENT
OF TRACK LAID DOWN HIS LIFE DUE TO
ENEMY SHELLING ON 20 JUL 10 AT 04:15 H.
A
TRIBUTE TO SATISH
FROM
ALL USERS OF
11.6 KM LONG TURTUK - ZUNGPAL
CLASS - 9 OP TRACK
१६० ४ ४४

PRA Exercise



PRA Activities





Indigenous mountain people's risk perception to environmental hazards in border conflict areas

Bayes Ahmed^{a,b,*}, Peter Sammonds^{a,b,c}, Naomi M. Saville^d, Virginie Le Masson^e, Kavita Suri^f, Ghulam M. Bhat^g, Naveen Hakhoo^g, Tsering Jolden^h, Gulzar Hussainⁱ, Kuenga Wangmo^j, Bindra Thusu^c

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^b UCL Humanitarian Institute, University College London (UCL), UK

^c Department of Earth Sciences, University College London (UCL), UK

^d Institute for Global Health, University College London (UCL), UK

^e Overseas Development Institute (ODI), London, UK

^f Department of Lifelong Learning, University of Jammu, India

^g Institute of Energy Research and Training, University of Jammu, India

^h Department of Sociology, University of Jammu, India

ⁱ Department of Geology, University of Jammu, India

^j Centre for Archaeology and Historical Studies, Royal University of Bhutan, Bhutan

ARTICLE INFO

Keywords:

Participatory rural appraisal
Hindu Kush Himalaya
War
Landslides
Line of control
India

ABSTRACT

This study aims to understand community risk perception to environmental hazards in a border conflict zone context in high-mountain areas. Participatory rural appraisal (PRA) tools were applied by the social science team. The results were validated with a hazard map prepared by a separate team comprised of geologists. Turtuk, the northernmost village in Ladakh, India located near the line of control with Pakistan was undertaken as a case study. Turtuk represents a high mountain indigenous rural community which has experienced several catastrophic disasters (flash flooding and landslides in 2010, 2014, and 2015) and territorial armed conflicts (wars in 1971 and 1999 with Pakistan) in recent times. The villagers were able to identify various environmental hazards and associated risk zones through participatory timeline diagram, and hazard and dream mapping exercises. The PRA maps matched the geological hazard map of Turtuk, demonstrating that community people

EEFIT Mission in Ecuador



THE MUISNE, ECUADOR EARTHQUAKE OF 16 APRIL 2016

A FIELD REPORT BY EEFIT



Notable Works



Drought – Naogaon



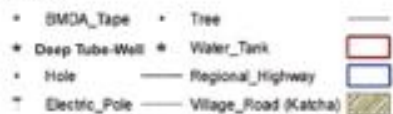
Drought – Naogaon



(a)



Legend



Indigenous people's responses to drought in northwest Bangladesh

Bayes Ahmed ^a, Ilan Kelman ^{a, b, c} , Md. Kamruzzaman ^d, Hossain Mohiuddin ^{d, e}, Md. Mostafizur Rahman ^d, Anutosh Das ^d, Maureen Fordham ^a, Mohammad Shamsudduha ^a

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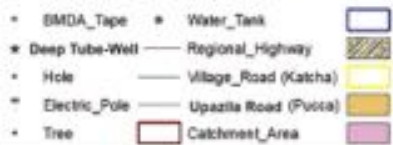
<https://doi.org/10.1016/j.envdev.2018.11.004>

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(b)



Legend



Abstract

Bangladesh is highly disaster-prone, with drought being a major hazard which significantly impacts water, food, health, livelihoods, and migration. In seeking to reduce drought vulnerabilities and impacts while improving responses, existing literature pays limited attention to community-level views and actions. This paper aims to contribute to filling in this gap by examining how an indigenous group, the Santal in Bangladesh's northwest, responds to drought through local strategies related to water, food, and migration which in turn impact health and livelihoods. A combination of quantitative data through a [household survey](#) and qualitative data through [participatory rural appraisal](#) is used. The results suggest that the Santal

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Journal Search

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YEAR

2012

Find a specific journal by title, title words, or ISSN/E-ISSN

Search

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Publication Strength

62 scholarly publications: **27** peer-reviewed articles

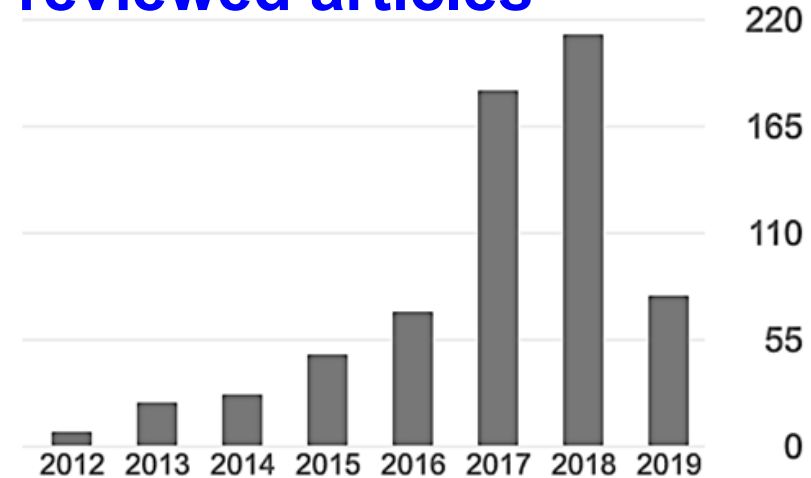
Citations: Google Scholar = **661**

***h*-index:** Google Scholar = **14**

Notable Journals Covered:

The **Lancet Global Health** [Impact factor = 17.686]

International Journal of Disaster Risk Reduction (**IJDRR**),
Environmental Development, Disaster Prevention and
Management, Scientific Reports, Natural Hazards Review,
International Journal of Climate Change Strategies &
Management, Computers & Geosciences, Remote Sensing,
Journal of Mountain Science, Engineering Geology, Landslides,
Natural Hazards, and ISPRS International Journal of Geo-
Information, Journal of Bangladesh Institute of Planners.



Teaching and Supervision Experience

Chittagong University of Engineering & Technology (CUET)
– Urban and Regional Planning

University of Dhaka – Disaster Science & Management











Bangladesh Institute of Planners (BIP) – Professional GIS
Certificate Course

MOC – Online GIS Course [4,500 subscribers] at Shikshak

- **Quantitative & Qualitative Research Methods**
 - **Computer Programming**
 - **Fundamentals of Statistical**
 - **Advanced Geospatial Analysis**
 - **PRA & Questionnaires**
-

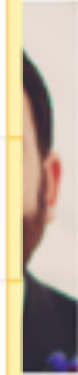
Globally)



1	 Massachusetts Institute of Technology (MIT) More United States
2	 Stanford University More United States
3	 Harvard University More United States
4	 California Institute of Technology (Caltech) More United States
5	 University of Oxford More United Kingdom
6	 University of Cambridge More United Kingdom
7	 ETH Zurich - Swiss Federal Institute of Technology More Switzerland
8	 Imperial College London More United Kingdom
9	 University of Chicago More United States
10	 UCL (University College London) More United Kingdom

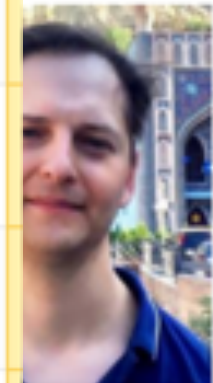
isks &
ction

MRes Risk and
Disaster Reduction



cks

Prof David Alexander



Luca Pescaroli

Dr Bayes Ahmed

Thumb Rules

- 1) Health should be the first priority
- 2) Special care for your family, friends, & relatives
- 3) Love your hobbies – dancing, sports, travelling
- 4) Don't listen to criticism – avoid being misled
- 5) Dream high, dream real big – be ambitious
- 6) The winners write the history – be tough & skilled
- 7) Don't waste a minute – next 10 years
- 8) Have patience & stick to your goals
- 9) Failure is common – there's always an alternative
- 10) Life is not always fair – move forward with honesty

**Work, Work, Work & Work –
Everything is Possible**

LONDON'S GLOBAL UNIVERSITY



4–5 July 2019

International Conference on the **Rohingya Crisis** in Comparative Perspective



**“A HOME IS WHERE I HAD
SLEPT CLOSE TO MY
MOTHER” – ROHINGYA**

We aim to understand the root causes of Rohingya crisis in Myanmar, the drivers of Rohingya influx into Bangladesh, Rohingya diaspora and their adaptation strategies in host countries, and the overall implications for security and peace in the region. We are also keen to compare the Rohingya crisis with other examples of serious crimes against humanity, genocide and war crimes that occurred globally.

VENUE: G11 & G17, UCL INSTITUTE OF ADVANCED STUDIES
(IAS), SOUTH WING, GOWER STREET, UNIVERSITY COLLEGE
LONDON (UCL), LONDON WC1E 6BT. UK

Please submit your Abstract before 30 April 2019

Organised by: UCL Centre for Collective Violence, Holocaust and Genocide Studies (CCV) &
UCL Institute for Risk and Disaster Reduction; Contact Person: Dr Bayes Ahmed; Email: bayes.ahmed@ucl.ac.uk

Thank You CUET URP!

**My heart will always be
with you!**

Any Question?

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