

Institute of Hazard, Risk and Resilience (IHRR)
Annual Roundtable Discussion

15:45 – 17:30
10th October 2018
Lindisfarne Centre, St Aidan's College

'Adding human agency to physical infrastructure'

Chair – Bridget Roswell (Atom Bank)

Purpose

The purpose of this round table debate is to bring an interdisciplinary group of practitioners and researchers together to explore and discuss the notion of 'adding human agency to physical infrastructure'. Our intention is to have a lively discussion and debate about what we mean by this, how it may be accomplished and what benefits this may achieve for societal challenges. We hope that the discussions will be interesting and informative for those who take part, but will also help develop ideas and collaborations for future research aligned with IHRR.

Background

Infrastructure has traditionally been viewed as a discipline driven by engineering and physical sciences. It encompasses the basic physical and organizational structures and facilities (e.g. buildings, roads, power supplies) needed for the operation of society that enable us to live our lives and take advantage of technological advances.

However, it is increasingly being recognised that the way in which humans choose to use and interact with physical infrastructure, especially the built environment, can determine the success or failure of developments and new technologies. Here we wish to explore these issues.

Your contribution

Please come prepared to briefly outline your perspective on this topic at the outset of discussion and then join in throughout. We hope to have 12-15 people present.

Other sessions on the day

The Roundtable is preceded by a series of presentations and followed by a drinks reception and evening lecture. The lecture will be given by Colin McQuistan from Practical Action, titled 'Emerging agendas for policy and practice in disaster reduction'. Please join us for these other activities.

Dinner

We will be hosting a dinner in the evening to celebrate the day, our research and our partners. We would be delighted if you could join us. Please confirm with Julie Dobson (ihrr.admin@durham.ac.uk) if you are able to attend.

Institute of Hazard, Risk and Resilience (IHRR) Annual Workshop and Lecture

10th October 2018
Lindisfarne Centre, St Aidan's College

Background

IHRR is holding a day of events to mark The International Day for Disaster Reduction. This day was started in 1989, following a call by the United Nations General Assembly for a day to promote a global culture of risk-awareness and disaster reduction. Held every 13th October, the day celebrates how people and communities around the world are reducing their exposure to disasters and raising awareness about the importance of reining in the risks that they face.

As internationally-recognised leaders in developing resilient, research-informed approaches to hazard and risk, IHRR are marking The International Day for Disaster Reduction by showcasing our research.

Existing research projects (15-minute presentations, 5-minute questions)

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| 08:45 – 09:00 | Welcome by Prof. Louise Bracken, Executive Director |
| 09:00 – 09:20 | Sim Reaney: Flood Hazards in Nepal: Sources, models and mitigation |
| 09.20 - 09.40 | David Toll: Using soil to engineer solutions to natural hazards |
| 09.40 - 10.00 | Hanna Ruszczuk: Reconceptualizing urban risk |
| 10.00 – 10.20 | Claire Horwell: Health interventions in volcanic eruptions |
| 10.20 – 10.40 | Alex Densmore & Katie Oven: The use of science in earthquake risk reduction: reflections from Nepal |
| 10.40 – 11.00 | Ed Llewelin: Lava flows on Kilauea – a disaster in slow-motion |
| 11:00 – 11:30 | Tea and coffee |
| 11:30 – 11:50 | Nick Rosser: Landslides, earthquakes and time consequences |
| 11:50 – 12:10 | Pete Talling: Submarine geohazards and new seabed monitoring techniques |
| 12.10 – 12:30 | Louise Bracken: The Water Hub –innovation and practical application around water |

12:30 – 13:30 Lunch

PhD Scholars (5-minute presentations, 5-minute questions)

13:30 – 13:40 Sheena Ramkumar: Developing simple rules for hazard mitigation

13:40 – 13:50 Katy Burrows: Detecting landslides triggered by the 2015 Gorkha earthquake using satellite radar

13:50 – 14:00 Erwin Nugraha: Resilience governmentality: Rationality, apparatus and subjectivity in building urban resilience in Indonesia

14:00 – 14:10 Chandika Shrestha: The Geography of post-disaster health: Spatial patterning of vulnerability and resilience factors after the Gorkha earthquake in Nepal

14:10 – 14:20 Eleftheria Vavadaki: Financial instruments for natural hazards in developing countries

14:20 – 14:30 Ed Rollason: Communicating flood risk differently

14:30 – 14:40 Ayushman Bhagat: Human Trafficking: Think again?

14:40-14:50 Samprada Pradhan: Impacts on road construction on landsliding in Nepal

14:50 – 15:20 Tea and coffee

17:30 – 18:30 **Drinks reception**

18:30 – 19:30 **Keynote Lecture:**

Colin McQuistan, Practical Action

Emerging agendas for policy and practice in disaster reduction