

INTERNATIONAL SYMPOSIUM ON

# Tackling Climate Change as an Underlying Disaster Risk Driver

27<sup>th</sup>  
28<sup>th</sup> June 2023

 CHARLES SIKES BUILDING (CSG/17)  
University of Huddersfield, UK



## DETAILED Programme



## CCADRR

Research Training  
Network on Tackling  
Climate Change as an  
Underlying Disaster  
Risk Driver (CCA-DRR)

ORGANISED BY:

University of  
**HUDDERSFIELD**  
Inspiring global professionals



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## Session 1 - Business continuity, policy, and governance

27<sup>th</sup> June 2023, 09.30-10.45

**Chair: Prof. Ranjith Dissanayake**

University of Peradeniya, Sri Lanka

Day 01

09.30-09.45	An integrated climate and disaster risk-sensitive business continuity framework for handloom MSMEs in the eastern province of Sri Lanka <a href="#">M. Aslam Saja</a> South Eastern University of Sri Lanka, Oluvil, Sri Lanka
09.45-10.00	Evaluation of consumer's green behaviour towards sustainable consumption and understanding the influence of pandemic / crisis situations on green behaviour <a href="#">Champa Navaratne</a> University of Ruhuna, Sri Lanka
10.00-10.15	Need for people centered policy guidelines for sustainable relocation of people displaced due to climate change: Case of Sri Lanka <a href="#">Nishara Fernando</a> University of Colombo, Sri Lanka
10.15-10.30	Locating Disaster Justice within the Sendai Framework for Disaster Risk Reduction: Towards Inclusive and Equitable Disaster Risk Governance <a href="#">Anuradha Senanayake</a> University of Huddersfield, UK
10.30-10.45	Framework for developing climate adaptation options for listed companies operating in the tea industry of Sri Lanka <a href="#">Thanya Weerasinghe</a> University of Huddersfield, UK

## Session 2 - Climate change adaptation for coastal ecosystems and flood management

27<sup>th</sup> June 2023, 11.00-12.30

**Chair: Prof. Nishara Fernando**

University of Colombo, Sri Lanka

11.00-11.15	Integrating LEED Neighbourhood Development to Sri Lankan Coastal Cities as a strategical approach to Tsunami Risk Reduction <a href="#">Lahiru Dissanayake</a> University of Peradeniya, Sri Lanka
11.15-11.30	Investigating Severe Coastal Erosion of the South Eastern Coast of Sri Lanka <a href="#">M.H. Haroon</a> South Eastern University of Sri Lanka, Sri Lanka
11.30-11.45	Spatiotemporal Rainfall data analysis using GIS <a href="#">V.P.A. Weerasinghe</a> University of Kelaniya, Sri Lanka
11.45-12.00	Flood hazard assessment in major river basins in Sri Lanka under the impact of climate change <a href="#">L.H.L. Rajapakse</a> University of Moratuwa, Sri Lanka
12.00-12.15	Community participation in flood early warning - what can it do? <a href="#">Georgina Clegg</a> University of Huddersfield, UK
12.15-12.30	Strategies for urban planning in tsunami prone areas in Sri Lanka <a href="#">Thisara Perera</a> University of Huddersfield, UK



## Session 3 (1) - Climate change action for resilience in agricultural and food systems

27<sup>th</sup> June 2023, 13.30-14.45

**Chair: Prof. Achini de Silva**

*Sabaragamuwa University, Sri Lanka*

13.30-13.45	Nudging the Farmers' Migration Intention through Training of Trainers: The Case of Agricultural Advisory Officers in Sri Lanka <a href="#">H.D. Karunaratne</a> <i>University of Colombo, Sri Lanka</i>
13.45-14.00	Food system vulnerability to climate change: a Sri Lankan perspective <a href="#">Mohamed Esham</a> <i>Sabaragamuwa University of Sri Lanka, Sri Lanka</i>
14.00-14.15	Linking Forest Based Food, Enterprises and Livelihood: A Case of Kithul ( <i>Caryota urens</i> ) Value Chain, Sri Lanka <a href="#">A.M.S.M.R.S.G. Bandara</a> <i>Sabaragamuwa University of Sri Lanka, Sri Lanka</i>
14.15-14.30	Developing a Self-Reliant Green Cabin as a disaster resilience mechanism to extend the post-harvest life of vegetables <a href="#">N.M.M.G.S.B. Nawarathne</a> <i>University of Sri Jayewardenepura, Sri Lanka</i>
14.30-14.45	Unveiling the Green Trail: Harnessing RFID Technology for Sustainable Vegetable Traceability <a href="#">Rumesh Liyanage</a> <i>University of Sri Jayewardenepura, Sri Lanka</i>

## Session 4 - Climate change adaptation in the built environment

28<sup>th</sup> June 2023, 09.00-10.30

**Chair: Prof. Indrika Rajapaksha**

University of Moratuwa, Sri Lanka

Day 02

09.00-09.15	Vulnerability Assessment of Railway Infrastructure Systems due to Natural Hazards <a href="#">Chaminda S. Bandara</a> University of Peradeniya, Sri Lanka
09.15-09.30	Climatic cartography and wellbeing in the city: Power and politics of mapping in effective policy discharge towards urban resilience in Colombo, Sri Lanka <a href="#">H.W.K. Jayatilake</a> University of Moratuwa, Sri Lanka
09.30-09.45	Coherence across global development agendas in making Smart Cities disaster resilient <a href="#">Aravindi Samarakkody</a> University of Huddersfield, UK
09.45-10.00	Financial incentives as a strategy to promote disaster-resilient housing <a href="#">Shavindree Nissanka</a> University of Huddersfield, UK
10.00-10.15	Exploring the importance of urban sustainability in Nigeria and the consequences of its neglect <a href="#">Lilian Smart</a> University of Huddersfield, UK
10.15-10.30	Lessons Learned from Japanese Urban Planning Approaches: An Integrated Approach to Improve Urban Resilience and Climate Actions via the Adoption of Nature-Inspired Solutions (NIS) <a href="#">Malith Senevirathne</a> University of Huddersfield, UK

## Session 5 - Climate change risk management

28<sup>th</sup> June 2023, 10.45-12.15

**Chair: Prof. Lalith Rajapaksha**

University of Moratuwa, Sri Lanka

10.45-11.00	Potential of machine learning for climate change risk assessment <a href="#">G.Y. Jayasinghe</a> University of Ruhuna, Sri Lanka
11.00-11.15	Impacts of climate change on landslides in Badulla district, Sri Lanka <a href="#">M.M.M. Najim</a> University of Kelaniya, Sri Lanka
11.15-11.30	Analysis of Extreme Weather Events in Colombo District as a tool for Disaster Preparedness <a href="#">B.G.N. Sewwandi</a> University of Kelaniya, Sri Lanka
11.30-11.45	Appraising Heat Stress Vulnerabilities of Elders in Tropics: Ageing-In-Place and Quality of Life <a href="#">I.G.P. Rajapaksha</a> University of Moratuwa, Sri Lanka
11.45-12.00	Incorporating citizen perspective into pandemic preparedness: the lens of health emergency and disaster risk management (HEDRM) <a href="#">Thushara Kamalrathne</a> University of Huddersfield, UK
12.00-12.15	"Desa Seduluruan" Sister Villages of Mount Merapi; Local Preparedness for Pandemic <a href="#">Asitha De Silva</a> University of Huddersfield, UK



## Session 3 (2) - Climate change action for resilience in agricultural and food systems

28<sup>th</sup> June 2023, 13.15-14.15

**Chair: Prof. Mohamed Esham**

*Sabaragamuwa University, Sri Lanka*

13.15-13.30	Importance of sustainable utilization practices and emerging technologies towards food security <a href="#">Chathuri Senanayake</a> <i>University of Sri Jayewardenepura, Sri Lanka</i>
13.30-13.45	Impact of Climate Change on world Food Security <a href="#">UL Abdul Majeed</a> <i>South Eastern University of Sri Lanka, Sri Lanka</i>
13.45-14.00	Red Chili Hybrid Seed Production by Small Farmers in Sri Lanka - A University Enterprise Collaboration (UEC) for Technology innovation in Climate Change adaptation <a href="#">K.D.N. Weerasinghe</a> <i>University of Ruhuna and Horizon Campus, Sri Lanka</i>
14.00-14.15	Nature based solutions for building resilient food systems in Sri Lanka <a href="#">D.A.M. De Silva</a> <i>Sabaragamuwa University of Sri Lanka, Sri Lanka</i>