

International Conference on Geography and Global Sustainability ICGGS 2021

09th & 10th of December 2021 (Virtual)

Organized by the Department of Geography, University of Colombo, Sri Lanka

Conference Programme

Time (Sri Lanka)	Programme Item
	Day ONE (09th December 2021)
	<i>Inauguration Session of ICGGS 2021</i>
	<i>Join Zoom Meeting</i>
	https://learn.zoom.us/j/67285375887?pwd=T2ZyY1pvRHVucWNFVitTdGhIVWVrZz09
	<i>Meeting ID:</i> 672 8537 5887
	<i>Passcode:</i> JzV?r27m
10:00 – 10:05	Inauguration Session of ICGGS 2021
10:05 – 10:10	Lighting of the Oil Lamp
10:10 – 10:15	National Anthem
10:15 – 10:20	Welcome Address by <i>Dr. Ananda Y. Karunaratne</i> Co-Chair, ICGGS 2021
10:20 – 10:25	Address by <i>Dr. D.M. Karunadasa</i> Head, Department of Geography, University of Colombo
10:25 – 10:30	Address by <i>Senior Professor Lasantha Manawadu</i> Dean, Faculty of Arts, University of Colombo
10:30 – 10:35	Address by the Chief Guest, <i>Senior Professor Chandrika N. Wijeyaratne</i> Vice Chancellor, University of Colombo
10:35 – 10:50	Address by the Guest of Honour, <i>Emeritus Professor Nimal Dangalle</i> University of Kelaniya



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10:50 – 11:15 **Keynote Address by**
Professor Meththika Vithanage
University of Sri Jayawardenapura

11:15 – 11:20 Vote of Thanks by *Dr. Pathmakumara Jayasingha*
Co-Chair, ICGGS 2021

Keynote, Plenary and Technical Session 01

Join Zoom Meeting

<https://learn.zoom.us/j/62707414970?pwd=dUpMNW9PVVVQTWtmNWFZaVRFVHNiQT09>

Meeting ID: 627 0741 4970

Passcode: Ju.&jw*6

11:30 – 12:05

Keynote 01

Dr. Senaka Basnayake

Asian Disaster Preparedness Centre, Thailand

Focus: Climate Change Adaptation, Mitigation and Sustainable Development

12:05 – 13:05

Plenary 01

Are We Ready for Climate Change?

Panelists

Dr. Senaka Basnayake

Asian Disaster Preparedness Centre, Thailand

Senior Professor Lasantha Manawadu

University of Colombo, Sri Lanka

Mr. Sarath Premalal

Department of Meteorology, Sri Lanka

Mrs. Anusha Warnasooriya

Department of Meteorology, Sri Lanka

Moderator: *Dr. Ajith Silva*

Ministry of Environment, Sri Lanka

Technical Session 01

Climate Change, Adaptation and Mitigation

Session Chair: Dr. Savithri Ranasinghe

13:05 – 13:15

D1S1_1 Spatial and Temporal Variations of Air Temperature on Drought Hazard In Sri Lanka: With Special Reference to Hambantota District

Authors: K.V.U.I.Edirisooriya, E.M.T.K.Senevirathna, G.W.M.M.K.Dheerasinghe,* D.L.P.M.Dauglas



- 13:15 – 13:25 **D1S1_2** The Intensity of Daily Rainfall over the Iranaimadu Tank in Kilinochchi District, Sri Lanka
*Author: S. Lathiscumar**
- 13:25 – 13:35 **D1S1_3** Spatiotemporal Analysis of Droughts using Standardized Precipitation Index (SPI) over Sri Lanka
Authors: G. N. Kaushalya, V.P.I.S. Wijeratne*
- 13:35 – 13:45 **D1S1_4** Land Surface Temperature (LST) variations and its Impact on Glacial Behaviour in Hunza Nagar, Pakistan, Using Landsat Imagery
Authors: Tehreem Fatima, Nausheen Mazhar, Asif Sajjad, Sohail Abbas, Kanwal Javid*
- 13:45 – 13:55 **D1S1_5** Climate Change Impacts on Coastal Regions in the UK: A Review
Authors: Shavindree Nissanka, Chamindi Malalgoda, Dilanthi Amaratunga, Richard Haigh*
- 13:55 – 14:20 Q & A Session

End of the Technical Session 01

Keynote and Technical Session 02

Join Zoom Meeting

<https://learn.zoom.us/j/62793131361?pwd=Y01NenRDSmszV3RnSzJrMHloVHUvdz09>

Meeting ID: 627 9313 1361

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14:20 – 14:55

Keynote 02

Professor Richard Haigh

Global Disaster Resilience Centre, University of Huddersfield, UK

Focus: *Disaster Resilience and Sustainable Development*

Technical Session 02

Geographies of Health and Education

Session Chair - Dr. Fareena Ruzaik

14:55 – 15:05

D1S2_1 Integrating Environmental and Demographic Factors in MaxEnt Modeling to Predict Dengue Cases Distribution: A case study in Kolonnawa Divisional Secretariat

*Author: U.T.G Perera**

15:05 – 15:15

D1S2_2 Covid-19 Pandemic Preparedness in Upcountry Tea Estate

*Author: M.Krishnasoban**

15:15 – 15:25

D1S2_3 Mapping Ecosystem Services Supply for Selangor, Malaysia

*Author: Gangul Nelaka Atapattu**

15:25 – 15:35

D1S2_4 How does Geography Success as a Strong and Practicable Discipline in Secondary Education System?: Case Study in Nivithigala Education Division

*Author: N.W. Srimalee Nanayakkara**



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15:35 – 15:55 Q & A Session

End of the Technical Session 02

Day TWO (10th December 2021)

Keynote, Plenary and Technical Session 03

Join Zoom Meeting

<https://learn.zoom.us/j/68911939791?pwd=V2VNb05hdXZSbUZEYUQzOWF1d0NyUT09>

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09:00 – 09:35

Keynote 03

Professor Edo Andriesse

Seoul National University, South Korea

Focus: *Built Environment Planning and Sustainable Development*

09:35 – 10:35

Plenary 03

Development Perspectives in Built Environment

Panelists

Professor Edo Andriesse

Seoul National University, South Korea

Associate professor Imran Muhammad

Messey University, New Zealand

Dr. John Lowry

Messey University, New Zealand

Senior Professor P. Hewage

University of Ruhuna, Sri Lanka

Moderator: *Mr. Krishan Sugathapala*

National Building Research Organization, Sri Lanka

Technical Session 03

Disaster Resilience in Sustainable Development

Session Chair - Dr. Ananda Y. Karunaratne

10:35 – 10:45

D2S3_1 The Importance of Building Resilience in Tropical Agro-ecosystems for a Sustainable Future

Authors: *Kinkini Hemachandra, * Asitha De Silva, Dilanthi Amaratunga, Richard Haigh, D.M.N.A.Dissanayake, Dinushka Hettiarachchi, C.M.Navaratne*

10:45 – 10:55

D2S3_2 Challenges of Urban Planning in the Context of Multi-hazard: A Systematic Literature Review

Authors: *T. Kamalathne, * U.T.G Perera, D. Amaratunga , R. Haigh*



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- 10:55 – 11:05 **D2S3_3** A Framework for Using Road Network Centrality for Tsunami Evacuation Planning Amongst a Pandemic Outbreak
*Authors: Malith Senevirathne, * Dilanthi Amaratunga, Richard Haigh*
- 11:05 – 11:15 **D2S3_4** Urban Evapotranspiration and Heat Island Effect in Colombo District
*Authors: Chinthani Seneviratne, * Sandamali Wijeratna, L. Manawadu*
- 11:15 – 11:25 **D2S3_5** Agroecology and Home Gardens in Geographical View: Case Study in Divisional Secretariat Nivithigala
*Authors: N.W. Srimalee Nanayakkara, * N.W. Madhura Nanayakkara*
- 11:25 – 11:50 Q & A Session
- End of the Technical Session 03

Keynote, Plenary and Technical Session 04

Join Zoom Meeting

<https://learn.zoom.us/j/67147133201?pwd=S2F3Y0FhNzZuZnFuaTR2bi94UWZlZz09>

Meeting ID: 671 4713 3201

Passcode: .F=ndWh5

12:00 – 12:35

Keynote 04

Dr. Ananda Mallawatantri

International Union for Conservation of Nature, Sri Lanka

Focus: *Nature-based Solutions and Sustainable Development*

12:35 – 13:35

Plenary 04

How Can We Protect Mother Nature in Sustainable Development?

Panelists

Dr. Ananda Mallawatantri

International Union of Conservation of Nature (IUCN), Sri Lanka

Professor A. Pitawala

Postgraduate Institute of Science, University of Peradeniya, Sri Lanka

Senior Professor Lal Mervin Dharmasiri

University of Kaleniya, Sri Lanka

Professor Amala De Silva

Department of Economics, University of Colombo

Moderator: *Dr. M. T. M. Mahees*

University of Colombo, Sri Lanka



Technical Session 04

Geospatial and Geotechnical Application in Sustainable Development

Session Chair: ***Dr. Omala Perera***

- 13:35 – 13:45 **D2S4_1** Delineation of Arid Areas of Sindh using Different Vegetation Indices and Land Surface Temperature
Authors: *Sidra Rasheed, * Nausheen Mazhar, Kanwal Javid, Sohail Abbas, Asif Sajjad*
- 13:45 – 13:55 **D2S4_2** Public Opinion on the Factors Contributing to the Land Degradation in Udunuwara Divisional Secretariat of Sri Lanka
Authors: *M. S. U. Shameela, * K. Rewathy*
- 13:55 – 14:05 **D2S4_3** The Analysis of the Land Use Change Detection Integrated with Geospatial Technology: Study on Dompe DSD in Gampaha District
Authors: *W.M.D.C. Wijesinghe, * R.M.K.S. Rathnayaka*
- 14:05 – 14:15 **D2S4_3** Impacts of Caves on the Evolution of Sri Lankan Landscape; with Reference to the Wet Zone
Authors: *Pathmakumara Jayasingha, * Armstrong Osborne, Saman Senanayake, Mahesh Champika, Anura Dandeniya*
- 14:15 – 14:25 **D2S4_4** The Consequences of Anthropogenic Activities on Changing Coastal Landscape in Hikkaduwa Coastal Zone, Sri Lanka
Authors: *Nisansala K. K. H. P., * Jayasinghe W. A. L. P., Ranwella K. B. I. S.*
- 14:25 – 14:50 Q & A Session
- 14:50 – 15:50 End of the Technical Session 03
Closing Ceremony

Summary note ***Dr. Pathmakumara Jayasinghe***
Co-Chair, ICGGS 2021

Vote of Thanks ***Dr. Fareena Ruzaik***
Secretary, ICGGS 2021