

International Symposium on Peat Mass Movement and Peat-derived Carbon Transport in Peatland September 9th, 2023

3:00p.m. – 7:00p.m. West Indonesian Time (WIB/UTC+7)
9:00a.m. – 1:00p.m. (BST/UTC+1), 5:00p.m. – 9:00p.m. (JST/UTC+9)

Transport of peat and peat-derived organic carbon into the aquatic environment is currently occurring in both boreal and tropical peatlands, and the nature of peat transport and its countermeasures need to be clarified to assess its impact on the aquatic environment. In this symposium, the issue of tropical peatlands is discussed in relation to findings in boreal peatlands.

Keynote Speeches 3:15 p.m. – 5:15 p.m. WIB



Prof. Laurence Gill, Department of Civil, Structural and Environmental Engineering, Trinity College Dublin, Ireland

“Ecohydrology and associated carbon dynamics of peatlands”



Dr. Shane Regan, The Scientific Advice and Research Directorate, National Parks and Wildlife Service, Dublin, Ireland

“The role of peatlands in the global carbon cycle – sentinel observations from Ireland”

Panel Discussion 5:25 p.m. – 6:55 p.m. WIB

“Peat mass movement issue in tropical peatland”

Moderator: Mr. Ahmad Muhammad, University of Riau, Indonesia

Commentators: Prof. Laurence Gill and Dr. Shane Regan

Panelists:

Dr. Sigit Sutikno and Dr. Muhamad Yusa, University of Riau, Indonesia

Dr. Noerdin Basir, State Polytechnic of Bengkalis, Indonesia

Prof. Koichi Yamamoto and Prof. Takahiro Osawa, Yamaguchi University, Japan

Dr. Yasuyuki Nakagawa, Port and Airport Research Institute, Japan

Register for FREE at: <https://bit.ly/peatsymposium>



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Co-organized by Wetland and Coastal Environment Research Committee, JSWE

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Keynote Speakers

Prof. Laurence Gill is a Professor in Environmental Engineering in the School of Engineering, Trinity College Dublin. His research interests involve studying the fate and transport of both air and water-borne pollutants in the natural and built environment, the characterisation of karst hydrological catchments, the development of passive treatment processes and the ecohydrology of wetlands. He has most recently been working on quantifying the greenhouse gas emissions and sequestration potential of peat bogs in the Irish Midlands and the numerical modelling of lowland karst areas of Ireland. He is one of 8 Principal Investigators who lead the country's first Applied Geoscience research centre (iCRAG) and he heads the Connected Waters environmental research area.

Dr. Shane Regan is a Senior Scientist in the Scientific Advice and Research Directorate, NPWS, and Adjunct Associate Professor in Hydrology at the University College Dublin School of Earth Sciences. His main areas of focus are related to the conservation and restoration of terrestrial ecosystems, ecohydrological and climate change research and policy development. He is responsible for managing NPWS hydrometric and greenhouse gas monitoring networks/research, NPWS involvement in relevant EU and state-funded projects associated with ecosystem management and high-level policy formation and implementation.

Timetable

General Moderator: Prof. Koichi Yamamoto, Yamaguchi University, Japan

WIB/ UTC+7	BST/ UTC+1	JST/ UTC+9	Saturday, September 9, 2023
15:00- 15:05	09:00- 09:05	17:00- 17:05	Opening Remarks Prof. Motoyuki Suzuki , Group Leader, Disaster Prevention and Mitigation Group, Research Center for Local Resilience, Yamaguchi University Mr. Armada Sukri , Vice Director I, State Polytechnic of Bengkalis, Indonesia
15:05- 15:15	09:05- 09:15	17:05- 17:15	Introduction Prof. Koichi Yamamoto
15:15- 16:15	09:15- 10:15	17:15- 18:15	Keynote Speech 1 Prof. Laurence Gill <i>"Ecohydrology and associated carbon dynamics of peatlands"</i>
16:15- 17:15	10:15- 11:15	18:15- 19:15	Keynote Speech 2 Dr. Shane Regan <i>"The role of peatlands in the global carbon cycle – sentinel observations from Ireland"</i>
17:15- 17:25	11:15- 11:25	19:15- 19:25	Break
17:25- 18:55	11:25- 12:55	19:25- 20:55	Panel Discussion "Peat mass movement issue in tropical peatland" Moderator: Mr. Ahmad Muhammad, University of Riau, Indonesia Commentators: Prof. Laurence Gill and Dr. Shane Regan Panelists: Dr. Sigit Sutikno and Dr. Muhamad Yusa, University of Riau, Indonesia Dr. Noerdin Basir, State Polytechnic of Bengkalis, Indonesia Prof. Koichi Yamamoto and Prof. Takahiro Osawa, Yamaguchi University, Japan Dr. Yasuyuki Nakagawa, Port and Airport Research Institute, Japan Short Presentation 1 Dr. Sigit Sutikno <i>"Peatland degradation, restoration and bog burst occurrence in tropical peat island in Riau"</i> Short Presentation 2 Prof. Koichi Yamamoto <i>"Peat-derived particulate organic matter in aquatic environment of Bengkalis Island"</i>
18:55- 19:00	12:55- 13:00	20:55- 21:00	Closing Remarks Dr. Sigit Sutikno , Head of CPDS, University of Riau, Indonesia