



IGCaWR – Lecture on World Water Day

Title: Impact of land use and land cover changes on water resources in a tropical river basin

Date and time: 22/03/2021

Germany (CET): 9:30 hrs to 10:30 hrs India (IST): 14:00 hrs to 15:00 hrs

Content

The Muda River Basin (MRB) is a tropical basin situated in the northern part of Peninsular Malaysia. The basin supplies freshwater for irrigation, industry and domestic usage to three northern states. Any drastic land use land cover (LULC) changes within the basin can affect the freshwater supply dramatically. This lecture will explain the impacts of different LULC scenarios on water resources in the MRB. Besides that, the roles of NGOs in protecting water resources of the basin will also be presented.

Offered by: Dr. Mou Leong Tan

Dr. Mou Leong Tan completed his Ph.D. in Remote Sensing from Universiti Teknologi Malaysia in 2016. After receiving his Ph.D., he worked as a postdoctoral fellow at the National University of Singapore from 2016 to 2017. Then, he joined Universiti Sains Malaysia as a Senior Lecturer in the Geography department. His research interests are on the assessment of climate and land use impacts on water resources in tropical regions. Besides that, he serves as the Vice President of Water Watch Penang (WWP), a Malaysian NGO that aims to create a water saving in Malaysia.



**Organised by the Hydrogeology Group, Freie Universität Berlin
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