

New research centre in Singapore to tackle climate change health risks in the tropics

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To employ advanced tools including artificial intelligence, environmental sensors, remote sensing and modelling



To address the growing health threats posed by climate change, Nanyang Technological University (NTU), Singapore is launching a new interdisciplinary research centre focused on climate change and environmental health in the tropics.

The Centre for Climate Change and Environmental Health (CCEH) will focus on the health impact of climate change under three key pillars: air quality, extreme heat, and water supply and quality — issues that are becoming increasingly urgent in Southeast Asia due to rising global temperatures and environmental changes.

CCEH, a university-level research centre, brings together expertise from across NTU's research ecosystem, including the Lee Kong Chian School of Medicine (LKCMedicine), the Asian School of the Environment (ASE), Earth Observatory of Singapore (EOS), the Singapore Centre for Environmental Life Sciences Engineering (SCELSE), and the Nanyang Environment & Water Research Institute (NEWRI). It will also collaborate with both local and international partners to develop evidence-based policies and real world solutions.

The centre was officially launched on 15 April by Dr Amy Khor, Senior Minister of State for Sustainability and the Environment.

One of CCEH's first initiatives is to establish a regional consortium, bringing together universities and health institutes from Indonesia, India, Thailand, Taiwan and the United Kingdom. The consortium will facilitate the sharing of data, research findings, and best practices.

Over the next five years, a group of climate and health researchers, along with PhD students, are expected to be trained.