

18 MAR 2025 (TUE)

4.00 – 6.00 PM SGT

ONLINE VIA ZOOM



ARI ROUNDTABLE

SEA LEVEL RISE AND FLOATING STRUCTURES ALONG ASIAN COASTLINES

New Adaptation Strategies for Sinking Cities like Jakarta and Others

Many Asian cities, along with others worldwide, are increasingly interconnected by the shared threat of sinking—a stark reminder that climate change is predominantly a crisis driven by water-related challenges. Coupled with more intense storms and rising groundwater levels, urban flooding has become a defining issue of the twenty-first century. The most vulnerable regions include coastal areas in Southeast Asia, East Asia, and the Netherlands. This interdisciplinary symposium will explore floating structures—such as floating homes, recreational facilities, and solar PV systems—as a new adaptation strategy for flood-prone urban environments. As an emerging alternative to terra-centric strategies like seawalls or retreating to higher ground, floating structures integrate into urban environments by advancing (or shifting) parts of urbanization onto aquatic surfaces and adapting to fluctuating water levels. In cities like Jakarta and others, the excessive extraction of groundwater accelerates land subsidence, further compounding the risk of sinking. The creation of water reservoirs is a potential solution, reinforcing the relevance of floating structures. Growing interest in floating structures from the United Nations and the Intergovernmental Panel on Climate Change, alongside national governments, underscores the timeliness of this symposium. By combining expertise across governance, engineering, urban planning, architecture, historical applications of floating structures, and biodiversity, the symposium will deliver a comprehensive analysis of the opportunities and challenges associated with advancing onto aquatic surfaces.

SPEAKERS



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Please register your interest online.

Details for online participation will be sent to you 3 days before the event.

