



1st THAILAND GROUNDWATER SYMPOSIUM: KEY TO WATER SECURITY AND SUSTAINABILITY

Making the Invisible visible

Amari Watergate Hotel

Bangkok, Thailand

22 - 24 August 2022

(Excursion 25 – 26 August 2022 @ Kanchanaburi Province)

Groundwater has become a vital resource for social, economic and environmental development and sustainability for over the past few decades. Moreover, the challenges from climate change, ongoing covid -19 and global uncertainties make people more and more reliant on groundwater in order to maintain well-being, livelihoods, ecosystems, industries, agriculture and urban development. Currently, more than one-third of the world's population depends on groundwater as a primary source of drinking water and this number is set to rise substantially over the next few decades. As such, groundwater remains a valuable natural resource and an essential component of the hydrologic system. Therefore, given the importance of this resource to our collective futures, groundwater development should be carefully managed to make full benefit of its potential, to protect its quality and to guard against over-exploitation of the aquifers. More importantly, it is in all of our interests to develop a sound, quantitative knowledge of groundwater resources worldwide.

The 1st Thailand Groundwater Symposium: Key to Water Security and Sustainability will be hosted by the Department of Groundwater Resources (DGR), Ministry of Natural Resources and Environment and Groundwater Development Fund. It aims to provide participants with opportunities to share their experiences, research findings, innovation and technology regarding groundwater-related issues, and to serve as an international platform for leading researchers, policy makers, practitioners and private executives to identify common and emerging issues, hotspots and opportunities in groundwater management, as well as to discuss how to further build the coalition.

It is our pleasure to announce that the 1st Thailand Groundwater Symposium: Key to Water Security and Sustainability will be held in Thailand (22 - 26 August 2022). The Symposium comprises of a three-day oral and poster presentation program (22 - 24 August 2022) and a two-day excursion at Kanchanaburi Province (25 - 26 August 2022). The main theme of this

symposium is “Groundwater: Key to water security and sustainability; Making the Invisible visible”. A list of tentative topics includes:

1. Groundwater Innovations and New Frontiers

- Groundwater Development Technology
- Novel Approaches on Groundwater Exploration and Assessment
- Hydrogeological Mapping and Data Visualization Techniques
- Innovations in Groundwater Remediation, Protection and Conservation
- Innovations in Groundwater Flow and Transport Modelling
- Groundwater Modelling and Management
- Groundwater Monitoring – New Approaches
- Managed Aquifer Recharge

2. Sustainable Groundwater Management and Climate Change

- Groundwater Security and Sustainability
- Groundwater Systems under Climate Change
- Technology and Strategies for Sustainable Use of Groundwater
- Groundwater-surface water interaction. Towards Integrated water Resources Management
- Groundwater Quality and Quantity Management
- Groundwater – Food – Energy Nexus
- Groundwater and Dependent Ecosystems
- Transboundary Aquifer

3. Getting the message across: Linking Groundwater with Other Disciplines

- Groundwater Governance
- Participation and Community Engagement in Groundwater Management
- Groundwater and Poverty Reduction
- Groundwater Economics

Important Dates:

Registration	23 May 2022
Abstract Submission	23 May 2022
Abstract Submission deadline	24 June 2022
Notification to Authors	Within 8 July 2022
Symposium Date	22 - 24 August 2022
Field Trip (Limited for 80 seats)	25 - 26 August 2022

Registration:

www.thaigroundwater-2022.org

Call for Abstracts/ papers:

Oral and poster papers that are relevant to the symposium theme are invited. Prospect authors are requested to submit an abstract, with a maximum of 450 words.

All authors are also required to submit abstracts/papers through the website: www.thaigroundwater-2022.org (in Adobe PDF version or Microsoft Word version). Abstract should be written in English with the title of the paper, author name(s), affiliation(s), and

keyword(s) that should be displayed at the top of the page. Please refer to formatting instructions at www.thaigroundwater-2022.org.

Excursion

The two-day excursion will be held at Kanchanaburi Province during 25 - 26 August 2022. It is limited only 80 seats for participants on a first come first served basis. The excursion will be organized only for participants outside DGR.

Program

Day 1: Opening Session, Keynote Speakers, Guest Speakers, Oral Presentation

Day 2: Guest Speakers, Oral Presentation, Poster Presentation

Day 3: Guest Speakers, Oral Presentation, Poster Presentation

Day 4 - 5: Excursion

Contact Info:

- Dr. Arissara Sitthiyot
Email: thaigroundwater2022@gmail.com
Tel. + 66 2666 7164, +66-836951320
- Dr. Nattinee Ratanont
Email: thaigroundwater2022@gmail.com
Tel. +66-852346668