



## First Regional Workshop

### Adapting groundwater of Asian cities to climate change: bridging the science and policy interface

Asian Institute of Technology (AIT), Thailand  
13-14 December, 2016

### PROGRAM SCHEDULE

Day-1: 13 December 2016 (Tuesday)	
<b>OPENING SESSION</b>	
8:30 - 8:45	Registration
8:45 - 8:50	Objectives of the workshop [ <b>Dr. Sangam Shrestha</b> ; Assoc. Prof., AIT]
8:50 – 9:00	Introduction of the participants [ <b>All</b> ]
9:00 - 9:05	Opening remarks [ <b>Prof. Worsak Kanok-Nukulchai</b> ; President, AIT]
9:05 - 9:10	Welcome remarks [ <b>Prof. Voratas Kachitvichyanukul</b> , Dean, School of Engineering and Technology, AIT]
9:10 - 9:15	Welcome remarks from APN [ <b>Dr. Jariya Boonjawat</b> ; Advisor, Atmospheric Research Group, Southeast Asia START Regional Center, Chulalongkorn University]
9:15 - 9:45	Keynote speech [ <b>Dr. Jayakumar Ramasamy</b> , Chief of Natural Science Sector, UNESCO, Bangkok Office]
9:45 - 9:50	Group Photo [ <b>All</b> ]
9:50 - 10:20	Refreshment/Networking
<b>Technical Session 1: Groundwater Resources Under Climatic/Non-Climatic Changes</b>	
10:20 - 10:40	Climate change impacts on groundwater resources of Mekong Delta [ <b>Dr. Sangam Shrestha</b> ; Asian Institute of Technology (AIT), Thailand]
10:40 - 11:00	Groundwater vulnerability and risk in Kathmandu Valley: Evaluation of index-overlay methods [ <b>Dr. Vishnu Prasad Pandey</b> ; AIT, Thailand]
11:00 - 11:20	The potential of groundwater investigation over Thailand under changing climate [ <b>Dr. Winai Chaowiwat</b> ; Hydro and Agro Informatics Institute, Thailand]
11:20 - 11:40	Groundwater-WASH nexus in the context of SDGs [ <b>Dr. Binaya Raj Shivakoti</b> ; Institute for Global Environmental Strategies (IGES), Japan]
11:40 - 12:00	Research and findings of potential impact of climate change on groundwater yield and salinity in the Northeastern region of Thailand [ <b>Dr. Phayom Sarapirom</b> , Groundwater Research Center, Faculty of Technology, Khon Kaen University, Thailand]
12:00 - 12:30	Discussion
12:30 - 14:00	Lunch/Networking
<b>Non-Technical Session 1: Mind Purifying</b>	
14:00 – 14:45	Mind purification process: preparing for and practicing of meditation [ <b>Dr. Binaya Raj Shivakoti</b> ; IGES, Japan]



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Technical Session 2: Groundwater in the Project Cities	
14:45 - 15:05	Groundwater in the changing context in Bandung city [ <b>Dr. Dian Sisingsih</b> , Department of Water Resources Engineering, University of Brawijaya (UB), Indonesia]
15:05 - 15:25	Groundwater in the changing context in Bangkok city [ <b>Dr. Oranuj Lorphensri</b> , Groundwater Assessment Bureau, Department of Groundwater Resources, Thailand]
15:25 - 15:45	Groundwater in the changing context in Ho Chi Minh city [ <b>Dr. Bui Tran Vuong</b> , Division of Water Resources Planning and Investigation for the South of Vietnam (DWRPIS), Ministry of Natural Resources and Environment, Vietnam]
15:45 - 16:05	Groundwater in the changing context in Lahore city [ <b>Dr. Muhammad Basharat</b> , International Water Logging and Salinity Research Institute (IWASRI), Water and Power Development Authority (WAPDA), Pakistan]
16:05 - 16:20	Refreshment/Networking
Technical Session 3: Projected Future Climate of the Study Cities	
16:20 - 17:00	Projected future climate of the four study cities [ <b>Dr. Sangam Shrestha/Ranju Chapagain</b> ; AIT, Thailand]
17:00 - 21:00	Closing of Day-1 & Welcome Reception
<b>Day 2: 14 December 2016 (Wednesday)</b>	
Technical Session 4: Groundwater Vulnerability to Climate Change	
9:00 - 9:30	Framework for assessing groundwater vulnerability to climate change [ <b>Dr. Vishnu Prasad Pandey</b> ; AIT]
9:30 - 10:30	Group-wise discussion on the framework [2-3 Groups]
10:30 - 11:00	Refreshment/Networking
11:00 - 11:30	Group presentation on summary of discussion [Representative of the Groups]
11:30 - 12:00	Moving forward and closing remarks [ <b>Dr. Sangam Shrestha</b> ; Assoc. Prof., AIT]
12:00 - 13:30	Lunch