



SIDE EVENT SE-14

Managed Aquifer Recharge Dialogue Seminar

🕒 10:30-13:00, 26 September 2024, Wednesday

📍 Beijing International Convention Center, Room 305#-E

Groundwater depletion is an extensive phenomenon in both Europe and Asia, albeit with some differences in the causes and extent of the problem. In both regions, groundwater depletion is causing severe ecosystem damage, affecting wetlands, lakes, and rivers, leading to habitat loss, reduced biodiversity, and ecological imbalances. In addition, it is leading to increased land subsidence, damaging infrastructure and increasing flood risks. Moreover, in coastal areas, over-pumping is leading to saltwater intrusion into aquifers, rendering the groundwater unfit for use.

However, the concept and implementation of Managed Aquifer Recharge (MAR) to replenish depleted groundwater resources remains limited. In this session we will examine options, risks and uncertainties for MAR using both fresh and treated wastewater.

SUB-THEME: Managed Aquifer Recharge Dialogue Seminar

ORGANIZER(S): EU-China Cooperation on Water

PROGRAM

Chairs: NN, IWHR / NN, CEWP

Dr. Antonio lo Porto, IRSA-CNR Water Research Institute / Director em. Bjørn Kaare Jensen, GEUS / Director Eric Tardieu, OiEau / Dr François Imbert, OiEau

SESSION 1 TECHNOLOGIES FOR MANAGED AQUIFER RECHARGE		
10:30-10:35	Welcome Speech	
Confirmed	Review of MAR	Lars Skov Andersen

10:35 -10:45	technologies	CEWP-P Consultant
TBC 10:45-11:00	Progress of MAR in China	Professor em. Wang Weiping University of Jinan
TBC 11:00– 11:20	Scale of MAR on the North China Plain	Professor Xu Guangming Hebei Geoscience University
TBC 11:20 –11:40	Piloting MAR on North China Plain	Dr. Guo Wensi Hongkong University
11:40 –12:00	Coffee Break	

SESSION 2 CHEMICAL ASPECTS OF RECLAIMED WATER FOR MAR

Confirmed 12:00-12:10	Review of MAR projects using reclaimed water	Professor HAN Dongmei CEWP-P Consultant, IGSNRR Chinese Academy of Sciences
Confirmed 12:10-12:30	Standards for Reclaimed Water used for <i>Groundwater Recharge and Reuse in Israel</i>	Dr Shai Ezra Israel National Water Company
Optional	Natural decay of pollutants in riverbank sediments	Dr Ma Meng / Dr Ma Yunjie Institute of Water and Hydropower Research
Optional	Monitoring Indexes for Riverbed Infiltration in the Apulia Province, Italy	Dr Antonio Lo Porto IRSA-CNR Water Research Institute

SESSION 3 APPLICABILITY OF USING RECLAIMED WATER FOR MAR IN CHINA

12:30-12:55	QA Debate <ul style="list-style-type: none"> • Professor Wang Weiping • Dr Shai Ezra • Professor Xu Guangming 	
12:55-13:00	Closing remarks	Chairs

For more information about the 3rd Asia International Water Week, please visit <https://3-aiww.scimeeting.cn>.