Webinar

Groundwater success stories: Large-scale Water Transfer and Managed Aquifer Recharge

Thursday | 17 February | 13:00-14:30 (CET)

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Groundwater success stories: Large-scale Water Transfer and Managed Aquifer Recharge
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Panelists

Lili Yu - Professor Level Senior Engineer, GIWP, Ministry of Water Resources of China
Kathryn Sorensen - Director of Research & Professor of Practice, Arizona State University
Bogadi Mathangwane - Deputy Director, Department of Water Affairs, Botswana
Tefo Lobalo - Regional Manager, Department of Water Affairs, Botswana
Kelly Gaboipiwe - Hydrogeologist, Dept. of Water and Sanitation, Botswana
Yan Yang - Senior Engineer, GIWP, Ministry of Water Resources of China
Groundwater Success Stories
Webinar #3

Introduction
Large-scale Water Transfer and Managed Aquifer Recharge

Karen G. Villholth
Principal Researcher
International Water Management Institute (IWMI)
South Africa

17 February 2022,
13:00-14:30 CET
The world on its edge
The world on its edge - role of aquifers
Water transfer and managed aquifer recharge (MAR)
Water transfer and managed aquifer recharge (MAR)
Existing water transfer megaprojects

Shumilova et al. (2018)
Future water transfer megaprojects

Cases presented

Shumilova et al. (2018)
Objectives

- Reducing water insecurity and supporting economic development
- Improving food security
- Health benefits from improved water quality
- Improved water supply for industry
- Coping with climate change
- Reducing groundwater withdrawal
Managing Aquifer Recharge: A Showcase for Resilience and Sustainability

Yan Zheng\textsuperscript{1*}, Andrew Ross\textsuperscript{2}, Karen G. Villholth\textsuperscript{3}, and Peter Dillon\textsuperscript{4}

\textsuperscript{1}School of Environmental Science and Engineering, Southern University of Science and Technology, Shenzhen, China
\textsuperscript{2}Environmental Defense Fund, San Francisco, California, USA
\textsuperscript{3}International Water Management Institute (IWMI) - Southern Africa, Pretoria, South Africa
\textsuperscript{4}CSIRO Land and Water and National Centre for Groundwater Research and Training, Adelaide, Australia
Largest MAR scheme involves water transfer

Zheng et al. (2021)

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Thank you for your attention

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