

International Workshop

„CONCEPTS FOR SUSTAINABLE DESALINATION AND ARSENIC REMOVAL IN VIETNAM“

27 October 2017 | 09:00 – 17:00
University of Applied Sciences Karlsruhe
Steinbeis-Haus Karlsruhe | Willy-Andreas-Allee 19 | 76133 Karlsruhe

Workshop content

The workshop will focus on topics related to the water problematic in Vietnam including the arsenic contamination and saline intrusion in groundwater.

Furthermore, subjects dealing with water treatment and water recycle technologies, renewable energy concepts and sustainability approaches for desalination and arsenic removal processes will be discussed.

Objectives

- Give the attendees an insight on sustainable and current approaches for arsenic treatment and water desalination
- Showcase different research works, case studies and projects in the area
- Open network possibilities for fellow researchers and industry partners dealing with these problematics

Agenda

08:30	Registration
09:00	Welcome remarks and introduction to workshop Prof. Jan Hoinkis, Project Coordinator/ Director IAF (HsKA, Karlsruhe)
09:10	WaKap - overview: Arsenic contamination and salinization of groundwater in Vietnam Edgardo Canas Kurz (HsKA, Karlsruhe)
09:25	Renewable energy potential and possible applications for water treatment in Vietnam Dr. Inga Boie (Fraunhofer ISI, Karlsruhe)
09:55	Potential applications for capacitive deionisation (CDI) in water treatment Ulrich Hellriegel (HsKA, Karlsruhe)
10:25	Coffee break
10:40	Solar driven arsenic removal by inline-electrolytic induced co-precipitation and filtration - Experiences from field tests in Germany and West Bengal India Dipl.-Ing. Alexander Goldmaier (Autarcon GmbH, Kassel)
11:10	Subsurface deferrization and demanganization for arsenic removal Dr.-Ing. Torsten Winkelkemper (Winkelkemper GmbH, Waderlsoh)
11:40	Case Study: Pilot scale plant for arsenic removal in the Mekong-Delta Tan Vu Luong (Vietnamese-German-University, Ho Chi Minh City)
12:10	Sustainable assessment of new technologies in WaKap Dr. Frank Marscheider-Weidemann; Claudia Hohmann (Fraunhofer ISI, Karlsruhe)
12:40	Lunch break
13:40	Arsenic mobilization in the agriculture ecosystem in Southeast Asia Prof. Dr. Stefan Norra (KIT, Karlsruhe)
14:10	Separation of arsenic species from groundwater with high arsenic concentrations Dr. Xiaohui Tang (KIT, Karlsruhe)
14:40	Study on the arsenic treatment in groundwater in the Mekong Delta by laterite absorbent material Dr. Tran Le Luu (Vietnamese-German-University, Ho Chi Minh City)
15:10	Coffee break
15:25	KaWaTech Solutions - Karst water treatment through conventional techniques and ceramic membranes in North Vietnam Dr.-Ing. Stefan Stauder (TZW, Karlsruhe)
15:55	Practical examples of industrial water pretreatment and recycle Dipl.-Ing. Peter Spiegl (Karl Spiegl GmbH, Nufringen)
16:25	Small-scale RO seawater desalination units for the Vietnamese market Thai Son (SDVICO, Vung Tao)
16:55	Wrap up and final discussion

For more information please visit www.wakap.de → news/workshop
Registration at edgardo.canas_kurz@hs-karlsruhe.de | Limited number of participants
Registration deadline: 15.Oct.2017

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