MIDES microbial desalination for low energy drinking water

LEITAT managing technologies

11·04·2019

Leitat, C/ de la Innovació 2
08225 Terrassa (Barcelona)

BIOELECTROCHEMICAL SYSTEMS

Key technologies in the Water-Energy Nexus

Agenda

08:45 – 09:15	Registration
09:15 – 09:30	Welcome and brief introduction (Leitat)
09:30 – 10:00	Innovation in water-energy sector (Catalan Water Partnership)
10:00 – 10:30	Why BES play a key role in Water-Energy nexus (IMDEA Water Institute)
10:30 – 11:00	**MIDES project:** Overall concept (Aqualia – Project Coordinator)
11:00 – 11:20	Coffee break
11:20 – 12:00	**MIDES project: From component development to piloting** MDC components development (SGL Carbon/FUJIFILM/Leitat) MDC process optimization (IMDEA Water Institute) MDC modelling and monitoring (SimTech Simulation Technology / Oncontrol Technologies) MDC piloting in field (Aqualia)
12.00 – 12:20	Technological transfer experiences (ISLE Utilities)
12:20 – 13:00	**Case studies towards BES market implementation (Session 1)** **Case study 1:** CO_2 as novel feedstock for bulk chemicals production (Lequia-UdG) **Case study 2:** Energy carriers (CH_4 and H_2) production in wastewater treatment (GENOCOV-UAB)
13:00 - 14:00	Lunch & Networking
14:00 - 15:00	Visit to BES-LAB
15:00 - 15:40	**Case studies towards BES market implementation (Session 2)** **Case study 3:** Nutrient recovery from waste streams Run4Life Project (Leitat) **Case study 4:** Life Answer Project (Aqualia)
15:40 – 16:00	Coffee break
16:00 – 17:00	**Round table: BES as key technology in Circular Economy** Representatives from academia (IMDEA Water Institute, Lequia-UdG) Representatives from tech transfer actors (ISLE Utilities, Catalan Water Partnership) Representatives from large companies (Aqualia)
17:00 – 17:15	Concluding remarks

Coordinator

aqualia

Project Partners

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institute IMDEA water

Mikrolin

oncontrol

UNESCO-IHE Institute for Water Education

SGL GROUP THE CARBON COMPANY

SimTech

UNIVERSITÉ DE GABÈS University of Gabes جامعة قابس

FUJIFILM Value from Innovation

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