

Young Water Reuse Professionals Development and Integration Workshop

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Background: Following the Young Water Reuse Professionals (YWRP) meeting held in Long Beach, CA during the 11th IWA International Conference of Water Reclamation and Reuse, YWRPs express the following desires: 1) more opportunities for networking, 2) more mentoring by experienced water professionals, and 3) more interaction between YWRPs. To answer these needs, we will organize the workshop on “YWRP Development and Integration” on Sunday June 16, 2019 during the first day of the conference.

Workshop organization: During this interactive workshop, YWRP participants will work together in teams comprised of members with different backgrounds and fields of expertise. The teams will work together to develop an innovative solution to a local water reuse case study, in order to improve the effluent quality of the wastewater treatment plant (WWTP) Schönerlinde. The teams will be asked to consider multiple criteria in order to achieve fit-for-purpose objectives: water quality goals, resource management, budget, socioeconomic and cultural aspects, environmental impacts, technical feasibility, etc.

Case study description: The case study area selected for the workshop is WWTP Schönerlinde, composed of mechanical and biological treatment and designed to be further upgraded with ozonation. The participants will be asked to identify treatment strategies for the secondary effluent by focusing on fit-for-purpose water reuse options (i.e. agricultural & landscape irrigation). The treatment technologies proposed should meet requirements of European water reuse regulation, which will be outlined during the introduction.

Benefits for YWRPs: The goal of this workshop is to create an open forum to promote the integration and active participation of YWRPs in connection with the main conference's theme of “overcoming water stress”. Each team will be guided by a senior

mentor. All workshop participants will receive an official certificate of participation. The winning team will receive a first place certificate.