

# Short introduction in workshop goals and content



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## Motivation

- Wastewater and septage treatment assets play an important role in the protection of public health and the environment
- Downstream human use and aquatic organisms both are relying on water quality that comes from acceptable performance of wastewater treatment assets
- Regardless of the capacity and the design of treatment assets, it is critical that the targeted performance of assets is made clear together with how to monitor and measure performance as well as obtained qualities

# Introduction of hosts

## Norbert Kreuzinger, Ph.D.

*Ass. Prof. at TU Wien*

*> 25 years of experience in the sector*

*Advanced Water and Wastewater Treatment Technologies; Micropollutants and Antibiotic Resistance in the Urban Water Cycle; Wastewater Reuse; Water Chemistry; Microbiology in Wastewater and Water Treatment; Activated Sludge Bulking and Foaming; Development Cooperation; Wastewater Treatment Plant Operator Training*



## Jörg Krampe, Ph.D.

*Full Prof. at TU Wien*

*> 20 years of experiences*

*Conventional anaerobic and aerobic wastewater treatment; energy efficiency in wastewater treatment; benchmarking of wastewater treatment processes; aeration systems; industrial and municipal wastewater treatment; water protection; membrane technology, operator training*

# Outline of the workshop

<b>10 minutes</b>	Short introduction
<b>5 minutes</b>	Poll about composition of the group
<b>20 minutes</b>	Assets for centralised or decentralised wastewater and septage treatment: introduction into water quality monitoring incl. COVID in the sewage, public health impacts and environmental performance requirements, Norbert Kreuzinger
<b>15 minutes</b>	Discussion, all
<b>10 minutes</b>	Break
<b>20 minutes</b>	Key Performance Indicators (KPIs) to assess asset performance and drive future developments and investments, Jörg Krampe
<b>15 minutes</b>	Discussion, all
<b>15 minutes</b>	Wrap up and identification of future ADB training demands

## Planned topics for today

- Good asset management requires a regime of good indicators that flag how well treatment plants are operating
  - Part 1 on suitable indicators
- Ideal KPIs also provide the evidential basis for justifying investment in new technologies, asset renewal, planned maintenance and smart systems
  - Part 2 on linking indicators with decisions (KPIs)