

# Modelling Activated Sludge Plants



## Key points of the workshop

This two-day course "Modelling Activated Sludge Plants" is organised by the Good Modelling Practice (GMP) Working Group and provides detailed instructions on mathematical models, their structure, and use in practice such as in design, operation, and control of activated sludge (AS) plants. The course provides ample hands-on opportunity to use these models in a class-room setting. The participants will gain an in-depth understanding of the structure of the IWA Activated Sludge Models (ASMs) and have an opportunity to learn how to use these models in simulation studies. The course follows the GMP Unified Protocol as presented in the IWA Scientific Technical Report No. 22.

After completion of the training you will:

- Know and understand the principles of mathematical models for water resource recovery facilities,
- understand the structure of the IWA Activated Sludge Models (ASMs) and their use in practice,
- understand the requirements and needs for performing a simulation study for AS plants,
- be able to use a simulator for building, running, and calibrating a model for an AS plant.

Key Dates		Registration fee	
1 April 2019	Registration opens	IWA members	170 €
1 September 2019	Registration closes	Non members	250 €
1-2 October 2019	Workshop	<a href="http://iwa-ywp.eu/">http://iwa-ywp.eu/</a>	

## Training hot spots

- Content based on the work of the GMP TG, i.e. the IWA Scientific and Technical Report (STR) No.22 on "Guidelines for Using Activated Sludge Models", released in 2012, that defines an internationally accepted framework to deal with the AS models in practice (<https://www.iwapublishing.com/books/9781843391746/guidelines-using-activated-sludge-models>),
- Hands-on experience on using models to better understand how Activated Sludge plants work
- Training is organized and run by internationally known experts in the field



Günter Langergraber  
BOKU University Vienna, Austria



Leiv Rieger  
inCTRL Solutions, Canada

