



# CENTRAL-EUROPEAN SWAT WORKSHOPS

## Introductory workshop: July 2-4, 2018 Advanced workshop: July 4-5, 2018

Location: BOKU University, Muthgasse 18, 1190 Vienna, Austria  
Institute of Hydraulics and Rural Water Management

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Institute of Water Management, Hydrology and Hydraulic Engineering

<http://www.wau.boku.ac.at>

	Monday 2 July	Tuesday 3 July	Wednesday 4 July	Thursday 5 July
9:00 – 9:15	Registration	Watershed delineation / Land use and soil overlay	Visualization and interpretation of SWAT outputs with QSWAT	Continue calibration & validation, uncertainty analysis
9:15 – 9:30	Welcome / Introduction			
9:30 – 11:00	Model overview (theory)			
11:00 - 11:30	<i>Coffee / Tea Break</i>			
11:30 – 13:00	Model applications (theory)	HRU delineation	Introduction to calibration & validation techniques / Address user requests and answer questions	SWAT model applications
13:00 – 14:00	<i>Lunch</i>			
14:00 – 15:30	Theory and application of SWAT	Weather and remaining inputs to develop SWAT (including point sources)	Welcome / Introduction to SWAT-CUP tools	Continue uncertainty analysis
15:30 – 16:00	<i>Coffee / Tea Break</i>			
16:00 – 17:30	Introduction to QSWAT interface	Review of summary outputs / Finish SWAT simulation with QSWAT	Sensitivity, calibration & validation (theory) / SWAT applications	Discussion of individual participants' SWAT modelling issues



Introductory workshop



Advanced workshop

## Workshop Information

The University of Natural Resources and Life Sciences, Vienna (BOKU) together with Texas A&M AgriLife Research are organising the central European SWAT Workshops in Vienna, Austria from July 2-5, 2018. Participants from central and eastern Europe are particularly encouraged to apply. Of course participants from all over are invited to participate as well.

The Introductory Workshop will cover 2.5 days of material and is targeted towards users with little to no prior background knowledge in SWAT modelling. The Advanced Workshop will cover 1.5 days of material and is for SWAT users who wish to improve their SWAT knowledge and modelling skills, or who have specific questions about their data and the SWAT model.

The SWAT Workshops are targeted towards professionals, post-graduate and graduate students as well as researchers in general who use, or who wish to use, SWAT to simulate hydrological flows and water quality loads in watersheds and in rivers.

The working language of both workshops is English. Participants are encouraged to bring their own laptop, although several computers will be available for the duration of the workshop. The sessions will be hands-on and examples with applications will be used to allow the participants to become familiar with the modelling tools and the outputs produced.

The Introductory and the Advanced SWAT Workshops will be led by Dr. Raghavan Srinivasan, Texas A&M University.

## About the SWAT Model

The Soil and Water Assessment Tool (SWAT) is a public domain model jointly developed by the U.S. Department of Agriculture – Agricultural Research Service and Texas AgriLife Research, part of the Texas A&M University System.

The main purpose of the model is to simulate the effects of crop management decisions on water, nutrient, sediment, and pesticide yield. SWAT is a distributed model that simulates on a daily time step.

The hydrological processes are represented by specific processes and parameters including the descriptions of interception, evapotranspiration, surface runoff, soil percolation, lateral flow, groundwater flow as well as stream routing processes.

## Registration Fees

WORKSHOP	STANDARD	STUDENT
Introductory	€300	€ 200
Advanced	€275	€ 175
Both (4 days)	€450	€ 300

Registration possible after 15 March at:

<http://www.wau.boku.ac.at>

Contact email: [bano.mehdi@boku.ac.at](mailto:bano.mehdi@boku.ac.at)

## Organizing Committee

- Dr. Andreas Klik, *BOKU, Vienna, Austria*
- Dr. Bano Mehdi, *BOKU, Vienna, Austria*
- Dr. Karsten Schulz, *BOKU, Vienna, Austria*
- Dr. Raghavan Srinivasan, *Texas A&M University, College Station, USA*

