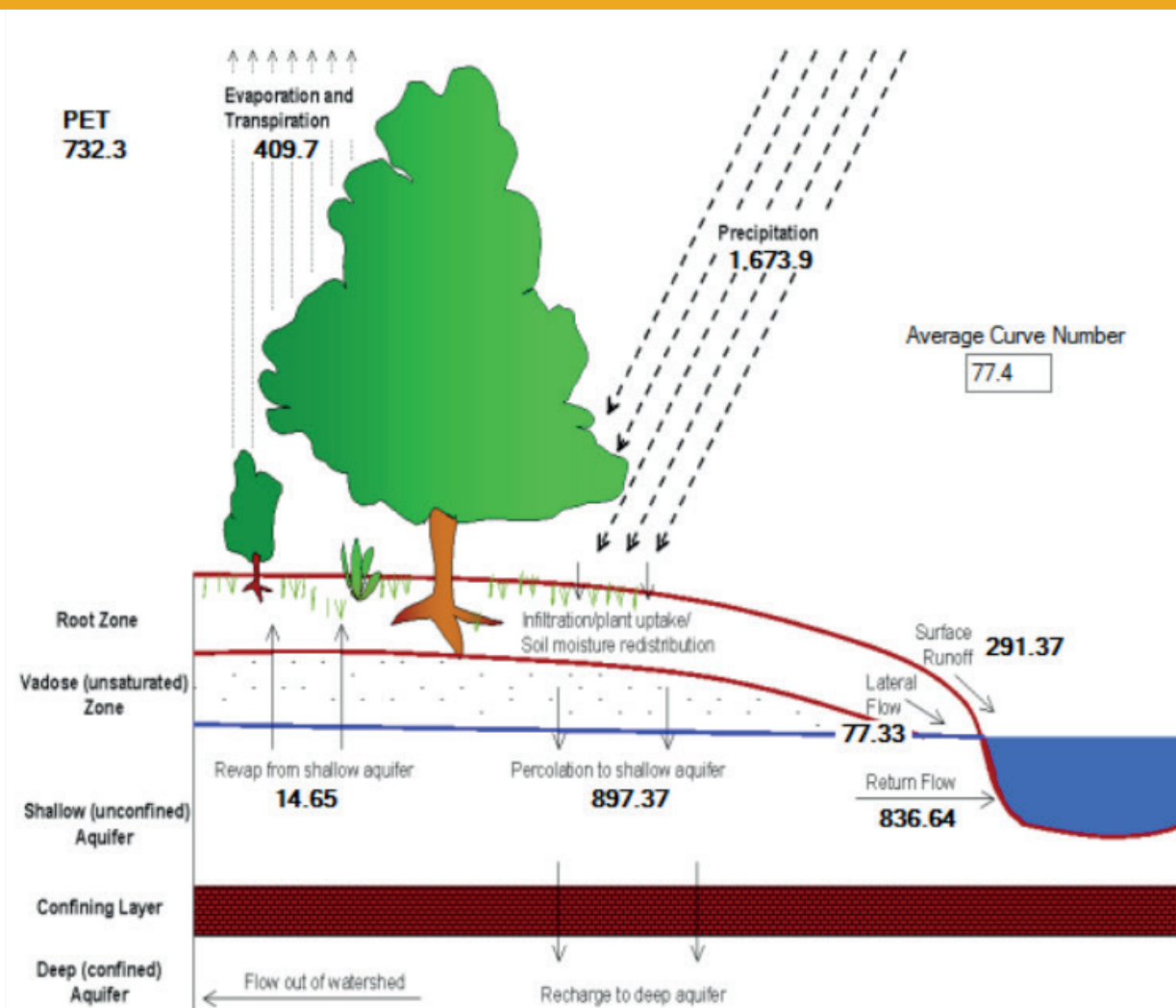




UCAM

UNIVERSIDAD CATÓLICA
DE MURCIA

EURO-MEDITERRANEAN SWAT WORKSHOPS



General information

Modality: On Campus

Date: 9-12 July

Duration: 30 hours

Credits: 1 ECTS

Organized by the Water Research Chair

TEXAS A&M
AGRI LIFE
RESEARCH



General Information

Catholic University of Murcia (UCAM) in collaboration with the Texas A&M Agri-Life Research co-organize the first Euro-Mediterranean SWAT Workshop, which will be held in Murcia, Spain from 9 to 12 July, 2018

The event is open to professionals, graduate and post-graduate students, who use or wish to use SWAT in order to investigate hydrologic and water quality issues in watersheds and rivers. The official language of the Workshop is English. Participants are encouraged to bring their own laptop. The sessions will be hands-on, and examples and applications will be used so that participants become familiar with the way the tools work and the outputs they produce.

Introductory & Advanced SWAT Workshops will be led by Dr. Raghavan Srinivasan, Texas A&M, USA.

Registration Fee

NOMBRE	STANDARD	STUDENTS
• Introductory workshop (2,5 days)	275€	150€
• Advanced workshop (1,5 days)	225€	125€
• Introductory & Advanced workshop (4 días)	450€	250€

- Inscription UCAM students: <https://cv.ucam.edu/portal>

- Inscription non UCAM students: <https://eventos.ucam.edu/>

About the SWAT Model

The Soil and Water Assessment Tool (SWAT) is a public domain model jointly developed by 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 predict the effects of management decisions on water, nutrients, sediments and pesticide yield with reasonably accuracy on large, ungauged basins. It is a distributed model that simulates all previously mentioned constituents on a daily time step. SWAT defines hydrology by a specific list of parameters including interception, evapotranspiration, surface runoff, lateral hydrology, soil percolation and ground water flow as well as river routing processes.

Organizing Committee

- Javier Senent Aparicio. UCAM, Murcia, Spain.
- Julio Pérez Sánchez. UCAM, Murcia, Spain.
- José Javier Padilla Abellán. UCAM, Murcia, Spain.
- Raghavan Srinivasan. Texas A&M University, College Station, USA.

Schedule

Hours	Introductory Workshop		Introductory/Advanced Workshop	Advanced Workshop
	Day 1 (Monday, July 9)	Day 2 (Tuesday, July 10)	Day 3/1 (Wednesday, July 11)	Day 2 (Thursday July 12)
9.00 - 9.15	Registration	Watershed delineation / Land use and soil overlay	Visualization and interpretation of SWAT outputs through QSWAT	Continue calibration / validation uncertainty analysis
9.15 - 9.30	Welcome / Introduction			
9.30 - 11.00	Model overview (Theory)			
11.00 - 11.30	Coffee break	Coffee break	Coffee break	Coffee break
11.30 - 13.00	Model applications (Theory)	HRU delineation	Introduction of calibration and validation techniques / Address user requests and answer questions	Model applications
13.00 - 14.00	Lunch break	Lunch break	Lunch break	Lunch break
14.00 - 15.30	Theory and Application of SWAT	Weather and remaining inputs to develop the SWAT model (including point sources)	Welcome / introduction SWAT-CUP tools	Continue uncertainty analysis
15.30 - 16.00	Coffee break	Coffee break	Coffee break	Coffee break
16.00 - 17.30	Introduction to QSWAT interface	Review of summary outputs / Finish SWAT simulation using QSWAT	Sensitivity and calibration / validation (theory) Model applications	Discussion of individual participant's SWAT modeling issues