

ABOUT THE SWAT MODEL:

The Soil and Water Assessment Tool (SWAT) is a public domain model actively supported by the USDA Agricultural Research Service at the Grassland Soil and Water Research Laboratory in Temple, Texas, USA. The main purpose of the model is to predict the effects of management decisions on water, nutrients, sediments and pesticide yield with reasonable accuracy on large, ungauged river 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 flow, soil percolation and groundwater flow, as well as river routing processes.

Please visit (<http://swatmodel.tamu.edu/>) for further details about SWAT and a free software download.

About ECOLAB:

EcoLab – Laboratoire d'écologie fonctionnelle et environnement - Functional and Environmental Ecology Laboratory is a joint research unit (UMR 5245) involving the CNRS, the University Paul Sabatier of Toulouse III and the National Polytechnic Institute of Toulouse. It was established on 1 January 2007.

EcoLab's objective is the combined study of communities and ecosystems together with their interrelations. The role of biodiversity in ecosystem functions, the influence of disturbance regimes on biodiversity, the dynamics and effects of pollutants (from the organism to the ecosystem), the modelling of ecosystem structure and functioning, and the bioremediation and restoration of natural environments are major research themes common to the whole laboratory. Such themes typically belong to the science of the natural environment, at the interface of life sciences and universe sciences.

Please visit <http://www.ecolab.ups-tlse.fr/> for further details about ECOLAB

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"Grand Hôtel d'Orléans" à Toulouse

The workshop will be held at Toulouse "Grand Hôtel d'Orléans", 72 rue BAYARD 31000 TOULOUSE.

Tel: 05 61 62 98 47, Fax: 05 61 62 78 24.

ACCOMMODATION:

The workshop fee includes:

- Single room for 3 nights.
- Breakfasts, 3 lunches and coffee breaks.



SWAT^{ADVANCED}

workshop

30 May to 1 June 2011

ECOLAB, Toulouse, France

Laboratoire d'Ecologie

Fonctionnelle et Environnement



PROGRAMME OF THE SWAT-Advanced WORKSHOP

30 May to 1 June 2011

This workshop is an advanced workshop.

Participants should be familiar with the SWAT model and encouraged to bring their own dataset. Participants can bring their personal computer loaded with latest SWAT CUP and ArcSWAT from swatmodel.tamu.edu website.

DAY 1

(Monday, 30 May 2011)

09h00 - 10h00:

Welcome/Introduction

10h00 - 12h00:

Sensitivity and calibration/validation
(theory)

12h00 - 14h00:

Lunch

14h00 - 17h00:

Calibration/validation using SUFI2

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DAY 2

(Tuesday, 31 May 2011):

09h00 - 12h00:

Uncertainty analysis using SUFI2

12h00 - 14h00:

Lunch

Continuation : ▶▶▶▶▶

DAY 2

(Continuation Tuesday Afternoon)

14h00 - 17h00:

Model applications
and
free practice

Continue uncertainty analysis
using PSO or Parasol

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DAY 3

(Mercredi, 1st of June 2011):

09h00 - 12h00:

Model applications
and
free practice

12h00 - 14h00:

Lunch

14h00 - 14h30:

Training conclusion

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ORGANISING COMMITTEE

- Dr. José Miguel Sanchez-Pérez (ECOLAB, France)
- Dr. Sabine Sauvage (ECOLAB, France)
- Dr. Raghavan Srinivasan (Texas A&M, USA)
- Ms Catherine Monier (ECOLAB, France)

HOW TO PRE-REGISTER: (closing date 16 April 2011)

[http:// dr14.azur-colloque.cnrs.fr](http://dr14.azur-colloque.cnrs.fr)

For more information contact:

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Dr. Sabine Sauvage (ECOLAB, France):
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Workshop fees :

- Standard: 400 €
- International students : 300 €



Laboratoire d'Ecologie Fonctionnelle
et Environnement