

HOW TO PAY

Bank: ABN AMRO
Address: Martinus Nijthoflaan 1, Delft, NL
Account no: 41.22.03.960
IBAN: NL13ABNA0412203960
Account Name: UNESCO-IHE
Address: Westvest 7, Delft, The Netherlands
Reference: 60035771

Deadline for payment is October 25, 2009

LODGING

HOTELS should be reserved as soon as possible. A list will be provided on the website.

UNESCO-IHE Student Hostel offers lodging at a rate of Euro 30/night + Euro 50/person registration cost (limited availability).

If interested, please make arrangements as soon as possible: accommodation@unesco-ihe.org



ABOUT UNESCO-IHE

UNESCO-IHE is instrumental to the strengthening of efforts by other universities and research centres in increasing knowledge and skills of professionals working in the water sector. The 190 Member States of UNESCO will have access to the knowledge and services of UNESCO-IHE in human and institutional capacity-building, which is vital to their efforts in the achievement of Millennium Development Goals, the Johannesburg Plan of Implementation and other global water objectives. UNESCO-IHE visions a world in which people manage their water and environmental resources in a sustainable manner, and in which all sectors of society, particularly the poor, can enjoy the benefits of basic services.

The Institute executes the following functions:

- Functioning as an international standard-setting body for postgraduate water education programmes and continuing professional training;
- Building human and institutional capacities through education, training and research;
- Setting up and managing networks of educational and water sector institutions and organisations world-wide;
- Functioning as a 'policy forum' for UNESCO Member States and other stakeholders; and
- Exercising an advisory function on water education to partner organisations and other members of the UN water family.

www.unesco-ihe.org

2009 EUROPEAN SWAT WORK SHOP

GIS MODELLING: SWAT AND HABITAT

NOVEMBER 2-13, 2009

UNESCO-IHE, Delft, The Netherlands



LEARNING OBJECTIVES

The aim of the workshop is to build a SWAT model by using your own data set and to get familiar to the HABITAT model. The participants are asked to bring their own, complete data set. During the course, SWAT model will be built using ArcGIS, followed by a calibration of the model using both manual and automated calibration techniques. During the last day, an introduction to the ecological assessment model "HABITAT" model will be given. For participants with limited knowledge in GIS, an introduction of GIS can be taken during the week prior to the workshop.

SWAT

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. SWAT is a distributed model designed to simulate water, nutrient and pesticide transport at a catchment scale on a daily time step. It represents hydrology by interception, evapotranspiration, surface runoff, soil percolation, lateral flow and groundwater flow and river routing processes.

The main purpose of the model is to predict effects of management (climate and vegetative changes, reservoir management, groundwater withdrawals, water transfer) on water sediment and chemical yields on large river basins. SWAT can analyze meso- to macroscale watersheds by subdividing the area into homogenous parts. SWAT is imbedded in a GIS interface.

For further details and a free software download visit: www.brc.tamus.edu/swat/

ORGANISATION COMMITTEE

Dr. Ann van Griensven (UNESCO-IHE, NL)
Dr. Zoran Vojinovic (UNESCO-IHE, NL)

SWAT Workshop on GIS modelling: SWAT and HABITAT

NOVEMBER 2-13, 2009

WEEK 1 | NOVEMBER 2-6

Introduction to GIS, using ArcGIS

by Zoran Vojinovic, UNESCO-IHE

WEEK 2 | NOVEMBER 9-12

SWAT workshop

Building, calibrating and evaluating an ArcSWAT model using your own data set in a small group. All participants should bring their own, complete, data sets.

by Ann van Griensven, Getnet Dubale Betrie, Girma Yimer Ebrahim, UNESCO-IHE

WEEK 2 | NOVEMBER 13

Introduction to HABITAT model (spatially explicit ecological assessment within PCRaster)

Introduction, demonstrations and hands-on exercise

by Marjolijn Haasnoot, Deltares

MORE INFORMATION

Dr. Ann van Griensven, a.vangriensven@unesco-ihe.org

APPLICATION FORM

First Name

Last Name

Company or Organization

Mailing Address

City

Zip/Postal Code

State/Province

Country

Phone

Fax

E-mail

I would like to attend the following:

- | | |
|--|-----------|
| <input type="checkbox"/> Week 1 | Euro 750 |
| <input type="checkbox"/> Week 2 | Euro 750 |
| <input type="checkbox"/> Entire course | Euro 1500 |

HOW TO REGISTER

Please send registration information to:
Department Hydroinformatics and Knowledge Management
UNESCO-IHE Institute for Water Education
P.O. Box 3015, 2601 DA Delft, The Netherlands
tel.: +31-15-21 51 766, fax: +31-15-21 22 921
e-mail: hikm@unesco-ihe.org

Deadline for registration is October 20, 2009