



TRAINING

in Wetland Inventory using Information Systems

Training in “Wetland inventory using Information Systems” consists of a training package and three training seminars. Their aim is to build capacities of scientists involved in nature conservation in order to advance their knowledge on wetland inventory using modern technology tools and managing digital data with databases and Geographic Information Systems (GIS). The training is addressed at three groups of trainees, i.e. beginners, advanced and future trainers. The training seminars are:

- i) The “*Train the trainers*” seminar, which is addressed at scientists with an advanced level of knowledge on wetland inventories and the use of information systems.
- ii) The “*Beginners*” seminar, which is addressed at scientists with basic level knowledge on wetland inventory using information systems.
- iii) The “*Advanced*” seminar, which is addressed at the group of scientists who have successfully completed the “*Beginners*” seminar or possess equivalent knowledge on wetland inventory using information systems.

Participants will apply the MedWet inventory method in selected sites using field data and remote sensing data.

Seminar Calendar:

Seminar	Duration	Date	Place
Train the trainers	5 days	February 2005	Thessaloniki, Greece
Beginners'	6 days	May 2005	Tirana, Albania
Advanced	6 days	end of 2005	Tirana, Albania

Train the Trainers Seminar in Wetland Inventory using Information Systems

Greek Biotope-Wetland Centre EKBY, Thessaloniki, Greece, 28 February – 4 March 2005



Organiser

The training seminar "Train the trainers in Wetland Inventory using Information Systems" is organised by the Greek Biotope-Wetland Centre (EKBY) in the frame of the Life Third-Countries ALWET Project.

Location

The seminar will be hosted at EKBY's premises, in Thessaloniki, Greece.

Duration

40 hours

Aims

Participants will:

- build capacities on planning, implementation and use of wetland inventories,
- acquire advanced knowledge on wetland inventorying and data management with the use of databases, Geographic Information Systems and Remote Sensing tools and
- become acquainted with the application of the training package "Wetland Inventory using Information Systems".

Who can participate

- Selected scientists from Albanian bodies working for wetland conservation and management (seven attendants max).
- Scientists from public authorities or institutes from other Mediterranean countries working for wetland conservation and management (three attendants max; interested organisations may contact the organiser).

Requirements for attendance

Participants should meet the following requirements:

- University education
- Some experience in wetland inventorying
- Basic knowledge on databases and GIS
- Basic computer knowledge
- Competence in the English language

Certificate

Participants will be granted a Certificate of Attendance.

Programme

Module I: Wetland Inventory

- Basics on wetlands
- Wetland Inventory: Terms and concepts
- Wetland Inventory: Planning
- Wetland Inventory: Implementation

Module II: Databases

- Database definitions
- Database design
- Creating tables
- Creating queries
- Creating forms and reports
- Advanced features of the MedWet Database

Module III: Geographic Information Systems (GIS)

- Introduction to GIS
- Data management in GIS
- Thematic mapping
- Tabular data
- GIS analysis
- Presentation of results
- Customizing remote sensing applications

Module IV: Training

- Planning of training
- Implementation of training
- Evaluation of training

For further information please contact:



THE GOULANDRIS NATURAL HISTORY MUSEUM
GREEK BIOTOPE / WETLAND CENTRE

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The training seminar is organized in the frame of the Life-Third Countries project "Capacity Building on Conservation of Albanian Wetland Ecosystems (ALWET)". This three year project (contract number LIFE03 TCY/AL/000004) started in 2004 and is financed by EC Life-Third Countries and the General Directorate of Forestry and Pastures, with the support of the Ministry of Environment of Albania. It is jointly executed by the Environmental Centre for Administration & Technology (ECAT Tirana) and the Goulandris Natural History Museum-Greek Biotope/Wetland Centre (EKBY).

More details on the ALWET project can be found at:

http://www.ekby.gr/ekby/en/alwet_web/alwet_site/alwet_site_HOME.html



THE GOULANDRIS NATURAL HISTORY MUSEUM
GREEK BIOTOPE / WETLAND CENTRE

TRAIN THE TRAINERS SEMINAR IN WETLAND INVENTORY USING INFORMATION SYSTEMS

28 February – 4 March 2005

EKBY, Thessaloniki

SCHEDULE

TIME	1 st day
9:00-9:15	OPENING – Description of the training procedure
9:15-9:30	Basics on wetlands
9:30-9:45	Wetland Inventory: Terms & concepts
9:45-10:15	Wetland Inventory: Planning
10:15-10:45	Wetland Inventory: Implementation (MedWet inventory method & habitat classification systems)
10:45-11:00	Coffee break
11:00-11:30	Wetland Inventory: Implementation (Introduction to wetland mapping)
11:30-13:00	Wetland Inventory: Implementation (Preparation of geographical data)
13:00-13:30	Lunch break
13:30-15:30	Wetland Inventory: Implementation (Classification of remote sensing data)
15:30-15:45	Coffee break
15:45-16:15	Wetland Inventory: Implementation (Map composition)
16:15-16:45	Linkage of wetland inventory to management (Identification of management problems; MedWet database tools; Spatial indicators)
16:45-17:00	Linkage of wetland inventory to management (MedWet database reports; Thematic maps)
TIME	2 nd day
9:00-9:30	Database definitions
9:30-10:30	Database design
10:30-10:45	Coffee break
10:45-12:00	Creating tables
12:00-13:00	Creating queries
13:00-13:30	Lunch break
13:30-15:00	Creating forms and reports
15:00-15:15	Coffee break
15:15-17:00	Advanced features of the MedWet Database MDW v3

TIME	3rd day
9:00-9:15	Introduction to GIS
9:30-10:30	Data management in GIS
10:30-10:45	Coffee break
10:45-11:45	Thematic mapping
11:45-13:00	Tabular data
13:00-13:30	Lunch break
13:30-14:15	Tabular data
14:15-15:00	GIS Analysis (Selection by location)
15:00-15:15	Coffee break
15:15-17:00	GIS Analysis (Geoprocessing and buffer zones)
TIME	4th day
9:00-9:30	GIS Analysis (Distance maps)
9:30-10:30	GIS Analysis (Surface analysis and 3d-mapping)
10:30-10:45	Coffee break
10:45-11:45	Presentation of results
11:45-13:00	Remote sensing applications (Change detection)
13:00-13:30	Lunch break
13:30-15:00	Remote sensing applications (Knowledge based classification)
15:00-15:15	Coffee break
15:15-17:00	Remote sensing applications (Data extraction)
TIME	5th day
9:00-9:45	Planning of training (Training methods)
9:45-10:45	Planning of training (Preparatory work)
10:45-11:00	Coffee break
11:00-13:00	Implementation of training (1st group)
13:00-13:30	Lunch break
13:30-15:30	Implementation of training (2nd group)
15:30-15:45	Coffee break
15:45-16:30	Evaluation test
16:30-16:45	Evaluation of the seminar
16:45-17:00	CLOSURE