



# 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
<b>Train the trainers</b>	5 days	February 2005	Thessaloniki, Greece
<b>Beginners'</b>	6 days	June 2005	Tirana, Albania
<b>Advanced</b>	6 days	end of 2005	Tirana, Albania

# Beginners Seminar in Wetland Inventory using Information Systems



Tirana, Albania, 1 June – 6 June 2005

## Organiser

The Beginners training seminar in “Wetland Inventory using Information Systems” is organised by ECAT Tirana and the Greek Biotope-Wetland Centre (EKBY) in the frame of the Life Third-Countries ALWET Project.

## Location

The seminar will be hosted at the premises of the INIMA computer room, in Tirana, Albania.

## Duration

44 hours

## Aims

Participants will:

- build capacities on planning, implementation and use of wetland inventories,
- acquire basic 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 (fifteen attendants max).

## 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
- Introduction to Wetland Inventories
- Planning a Wetland Inventory
- Wetland Inventory Implementation: The MedWet Inventory Method
- Remote Sensing applications

### Module II: Geographic Information Systems (GIS)

- Principles of GIS
- Cartographic and GIS data structures
- Introduction to ArcGIS
- The map as a model of geographic data
- Creation of geographic data
- Map composition

### Module III: Databases

- Database definitions
- Database design
- Creating tables
- Creating queries
- Creating forms and reports
- The MWD v.3 fundamentals

For further information please contact:

### Environmental Center for Administration and Technology (ECAT-TIRANA)

Rr. A. Frasheri, Pall.16/ Shk.6/ Ap.53  
Tirana, Albania  
Tel: +355 4 223930 / 274553; Fax: +355 4 223930  
Contact person: Mrs Marieta Mima  
E-mail: mima@sanx.net ; ecata@icc.al.eu.org

### Greek Biotope/Wetland Centre (EKBY) 14th km Thessaloniki-Mihaniona

P.O. BOX 60394, 570 01 Themi, GREECE  
Tel.: +30 2310 473320; Fax: +30 2310 471795  
Website: <http://www.ekby.gr>  
Contact person: Mrs Eleni Fitoka  
E-mail: [helenf@ekby.gr](mailto:helenf@ekby.gr)

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



**BEGINNERS SEMINAR**  
**IN WETLAND INVENTORY USING INFORMATION SYSTEMS**  
 1<sup>st</sup> June – 6<sup>th</sup> June 2005  
 Tirana  
**SCHEDULE**

<b>TIME</b>	<b>1<sup>st</sup> day</b>
9:00-9:15	OPENING – Description of the training procedure
9:15-10:45	Introduction to wetlands
10:45-11:00	Coffee break
11:00-12:00	Introduction to Wetland Inventory
12:00-13:00	Planning a Wetland Inventory (Ramsar structured framework)
13:00-13:30	Lunch break
13:30-15:00	Wetland Inventory Implementation: The MedWet Inventory Method
15:00-15:15	Coffee break
15:15-16:30	Wetland Inventory Implementation: The MedWet Inventory Method
16:30-17:00	Linkage of wetland inventory with management
<b>TIME</b>	<b>2<sup>nd</sup> day</b>
9:00-9:30	Principles of GIS
9:30-10:00	Cartographic and GIS data structures
10:00-10:30	Introduction to ArcGIS
10:30-10:45	Coffee break
10:45-11:45	The map as a model of geographic data
11:45-13:00	Creation of geographic data
13:00-13:30	Lunch break
13:30-14:00	Remote Sensing applications (Photo interpretation)
14:00-14:45	Remote Sensing applications (Basic theory and principals of remote sensing)
14:45-15:15	Remote Sensing applications (Preparation of remote sensing data)
15:15-15:30	Coffee break
15:30-17:00	Remote Sensing applications (Image classification)

<b>TIME</b>	<b>3<sup>rd</sup> day</b>
9:00-9:30	Remote Sensing applications (Data extraction and customisation into an information system)
9:30-10:15	Presentation of results-Map composition
10:15-10:30	Coffee break
10:30-11:00	Database definitions
11:00-12:00	Database design
12:00-13:00	Creating tables with MS Access
13:00-13:30	Lunch break
13:30-14:30	Creating queries with MS Access
14:30-15:30	Creating forms and reports with MS Access
15:30-15:45	Coffee break
15:45-17:00	The MWD v.3 fundamentals
<b>TIME</b>	<b>4<sup>th</sup> day</b>
9:00-10:00	Explanation of the case study - Creation of the groups
10:00-17:00	Case study (field work)
<b>TIME</b>	<b>5<sup>th</sup> day</b>
9:00-17:00	Case study (field and office work)
<b>TIME</b>	<b>6<sup>th</sup> day</b>
9:00-11:00	Presentation of case study results
11:00-11:30	Short discussion- Evaluation of contribution to the case study
11:30-11:45	Coffee break
11:45-12:40	Evaluation of knowledge
12:40-12:50	Evaluation of the seminar
12:50-13:00	CLOSURE-Discussion