



Design of the Carpathian Ecological Network – Carpathian Biodiversity Information System

GIS/Database training 1

27 – 28 September 2007, Herľany, Slovakia

Purpose of the training

To improve capacities & capabilities of focal CERI members regarding databases and GIS. The software used during the trainings is: MS Access, ESRI Arc View, Arc Map.

Draft Agenda

DB and GIS beginners steps:

1. introduction to database and GIS systems
 - 1.1 basic data types and data structure, data relations
 - 1.2 desktop and server software overview
2. basic data viewing, visualisation
 - 2.1 data sorting
 - 2.2 creation of simple database and spatial (GIS) queries
3. basic database creation
 - 3.1 database and database objects (tables, queries) creation
 - 3.2 fulfilling of data
4. basic GIS objects creation
 - 4.1 from scanned image to GIS layer
 - 4.1.1 image formats and its preparation
 - 4.1.2 georectification of images
 - 4.1.3 layer creation and digitalisation
 - 4.2 from x,y coordinates to GIS layer
 - 4.3 conversion from different data sources
5. real example of habitats mapping IS solution
6. ad-hoc topics

DB and GIS advanced steps:

1. database and database objects (tables, queries, forms, ...) creation
2. basics of programming in Visual Basic for Application in MS Access
3. data filling, manipulation and exporting by procedures
5. basics of programming in ESRI Arc View (Avenue), Arc Map (VBA)
6. data publishing (web server, map server, database server)
7. ad-hoc topics

List of participants:

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Logistic information

The costs of your room, full board, VAT and local tax excluding extra costs (including telephone calls, internet, mini-bar, laundry, etc.) are covered for you. Please keep in mind that you will be asked to share a room with another colleague.

Please, have your travel tickets ready, the originals will be collected for reimbursement of your fare. We will ask you to send us the originals of your return tickets after you have returned back home. For training purposes, bring your computers with you.

Accommodation and training venue:

**Training Centre of the Technical University, Košice (Doškoľovacie stredisko
Technickej Univerzity, Košice)**

044 46 Herľany

Tel./Fax: +421 055 696 41 25

The village Herľany is situated in Eastern Slovakia, ca 28 km NE of Košice, at the foot of Slanské vrchy Mts. It was well known already in the 17th century for its mineral springs. The world curiosity – natural cold geyser (though it has lost its intensity gradually) keeps its unique for almost 130 years.

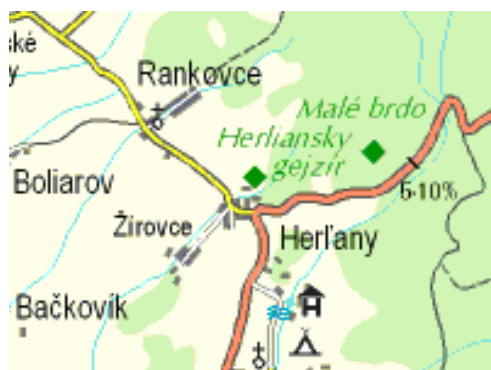
Direct bus services from Košice – Central Bus Station:

Gate/Stand 33:

dept. 6:00 arr Herľany 6:32

dept 6:20 arr Herľany 6:57

dept 11:05 arr Herľany 11:53



Questionnaire by Rastislav Lasák

**Assessment of skills in MS Access and ArcGIS (mainly ArcMap, ArcCatalog) for
participants of the training
Herľany, Slovakia, 27-28 September 2007**

Please fill up this questionnaire (reply this mail with YES or NO answers)

Are you familiar with Access database working environment (e.g. you can view database objects - tables, queries, forms...)?

Can you create (import), export and manage tables, queries?

Do you understand tables relationships?

Can you create and use simple forms (without data input control by macros or VisualBasic_for_Application code)?

Can you create and use more advanced forms (with data input control by macros and VBA code)?

Can you create simple reports?

Can you create VBA procedures for data manging (for example you can do all above tasks by code)?

Are you familiar with ArcMap (ArcCatalog) working environment (e.g. you can add vector, raster or image layer, you can zoom it, select it, visualise it...)?

Can you create and edit vector layer and its attribut table?

Can you create point vector layer from text file?

Are you able to make spatial and attribute queries on layers?

Can you customize working environment of ArcMap (changing buttons)?

Can you make layouts?

Can you rectify image layers (do you understand basic principles of projections)?

Can you use analytical tools (make buffers, intersections...)?

Can you use ModelBuilder?

Note: We will use MS Access 2003 (or 2000) and ArcGis 9.x. It is good that everybody can have its own computer (with software) or at least one pc per one couple.

Advanced users (not only) can propose here problems or topic they would like to solve in training.