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## **C5.43 Report on test data for the EDIT Geoplatform tools**

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<b>Dissemination Level</b>		
<b>PU</b>	Public	<b>X</b>
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

## C5.43 Report on test data for the EDIT Geoplatform tools

This report provides an overview of possible test data for the EDIT Geoplatform tools, specifically the mapViewer tool. Examples are given in the Annexes to this report.

### 1. ATBI+M Datasets

The dataset contains 8804 records (situation December 2008) with 67 columns describing species collected in period 1979 - 2008 in France, Georgia, Italy and Slovakia with the help of CUB, IBSAS, SMNS, MNHN and local partners (Parco delle Alpi Maritime [PNAM](#) / [Parc National de Mercantour](#) / [ATBI+M Gemer](#)). It is available in comma separated value (csv) format so it can be easily adjusted for being used in EDIT mapViewer and many other visualising / modelling software packages. Extracts of the dataset are available through regional ATBI+M sites, for example:

<http://www.atbi.eu/mercantour-maritime/>

or

[http://www.atbi.eu/gemer/?q=node/22&tree\\_s=525](http://www.atbi.eu/gemer/?q=node/22&tree_s=525)

### 2. ATBI+M related data sources

Accessed through <http://www.atbi.sk/databases.htm>

#### *2.1 Slovak Taxonomic and Biodiversity Information Facility - Database of localities*

[http://zoology.fns.uniba.sk/lokality/public\\_en.asp?orounit=mur](http://zoology.fns.uniba.sk/lokality/public_en.asp?orounit=mur)

Positions of localities in lat/lon notation, links to google maps for display.

The data set might be used for localising some of the collection sites, although it requires some effort to convert the data to a generic form.

#### *2.2. Checklist of Non-Vascular and Vascular Plants of Slovakia*

<http://ibot.sav.sk/checklist/index.php?lang=en&doc=>

No spatial information is contained in this dataset, so currently this data set cannot be used with the mapViewer. Future versions where spatial information is added could be useful for further testing.

### 3. Hungarian Natural History Museum

#### *3.1. Catalogues of Parasitological Collection of Hungarian Natural History Museum; data from the Aggtelek National Park*

The dataset contains 27713 records (December 2008) describing 483 species. The dataset is available online and is generated dynamically from a database based source. Its format is very generic and can be easily adjusted for being used in EDIT mapViewer and many different visualising / modelling software packages such as MaxEnt, GARP, openModeller or Diva-Gis.

#### *3.2. Tanzanian data*

The dataset from Tanzanian collecting by Laszlo Peregovits come in a form of an article (1). The article presents a numbered list of species collected along with a detailed description of the

collection sites. Additional work will be required to gather the needed spatial information based on the given description.

### ***3.3. Mongolian data***

The data set comes as a set of two .xml files without a schema. First of the files (Kaszab500) is a list of publications from period 1963 – 2004 and the other one (Kaszab\_numero) have information about species collected in period 1963 – 1968 along with the description of the collection site location. Similarly to the Tanzanian dataset this information can not be regarded as spatial and requires a significant amount of manual geocoding before it can be used in mapViewer and other spatially aware software.

## **4. Plant data from IBSAS**

### ***4.1. General data***

The dataset is available as comma delimited or tab delimited text file. Both versions of the file are in generic format supplying geographical position in decimal degrees. The file contains data in mixed formats (UTM grid, GPS references, ... ).

### ***4.2. GPS data***

The dataset is easily usable with mapViewer for visualisation purposes. Since the locations were collected using GPS it might also be used for predictive modelling.

### ***4.3. Phytocenological data***

Available as comma delimited text file. Data presents 2487 phytocenological records from Gemer area in generic format supplying geographical position in decimal degrees.

## **5. Fauna Europaea**

<http://www.faunaeur.org/>

The data might be used for a very general visualization of the species occurrence, although can't be easily used in mapViewer since it doesn't accept shapefiles at the moment: however shapefiles can be converted to .csv files and uploaded in mapViewer directly or through the RMCA ItinTool (<http://synthesys.africamuseum.be/itin/home.html>)

## **6. Data used at MIZPAN**

### ***6.1. User generated data***

Usually user generated data for species distribution maps or distribution modelling. The format is usually as generic as possible to enable users to reuse data in different applications. Therefore there would not be any problems with preparing the data for the mapViewer as most of the cases they are already in such format.

### ***6.2. Environmental data***

Environmental variables usually come in as raster files and making them available in mapViewer would require creating a WMS service retrievable by the viewer.

(1) Report on the zoological collecting in Tanzania, 1985 - Usambara Rain Forest Project Publications No. 8

## ANNEX : examples of the different datasets

### A. ATBI+M Datasets: layout

metadataID	3
EDIT_ATBI_RecordID	ATBI_G1_1
locality_code	sie-50
country	Slovakia
atbi_site_standard	NP Muránska planina
full_locality_name	Mts Muranska planina, Hrdzavá Valley at Machy
longitude	19,99674
latitude	48,74779
minimum_altitude	700
maximum_altitude	700
geographic_datum	WGS84
gps_accuracy	10
source_of_the_georeference	Garmin 12
radius	100
image_url	
image_name	
image_credit	
macrohabitat_notes	limestone rocks in Fagus forest
remarks	
date_recorded	2008-05-02
event_code	08/50-I.
collection_method	collecting by hand
exact_starting_date	2008-05-02
exact_ending_date	
event_start_year	
event_start_month	
event_end_year	
event_end_month	
collector	Beáta Papp
event_remarks	
owners_recordID	1
fieldnumber	
record_type	PreservedSpecimen
medium	dried

kingdom	Plantae
phylum	Marchantiophyta
class	Marchantiopsida
order	Marchantiales
family	Conocephalaceae
subfamily	
genus	<i>Conocephalum</i>
subgenus_name	
species	<i>salebrosum</i>
species_author	Szweykowski, Buczkowska & Odrzykoski
subspecies	
subspecies_author	
var	
var_author	
determinator	Beáta Papp
status	
identification_remarks	
identification_source	
lifestage	
sex	
attributes	
substrate	soil
symbiont	
number	
microhabitat	
deposit	Hungarian Natural History Museum, Budapest
imageURL	
soundURL	
image-file_name	
image-file_credit	
sound-file_name	
sound-file_credit	
date_created	2008-07-14

### B. ATBI+M Datasets: examples

#### Example 1:

ATBI: All Taxa Biodiversity Inventories in the Mercantour/Alpi Marittime natural parks (<http://www.atbi.eu/mercantour-marittime/>)

Example of the data for *Ixodes trianguliceps* Birula, 1885

([http://www.atbi.eu/mercantour-marittime/?q=node/13&tree\\_s=1235](http://www.atbi.eu/mercantour-marittime/?q=node/13&tree_s=1235))

**Parco Naturale delle Alpi Marittime (Italy)**

Longitude	Latitude	Altitude	Date	Number	Collector (s)
O 7,068611	N 44,1175	1558m	07.08.2003	1	Dudich, A., Macskási, I.
O 7,068611	N 44,1175	1558m	07.08.2003	2	Dudich, A., Macskási, I.
O 7,068611	N 44,1175	1558m	07.08.2003	1	Dudich, A., Macskási, I.

**Locality name:** Alpi Marittimi Natural Park, Piedmont, Entracque, Lago della Rovina

**Macrohabitat notes:** Fagetum

**Microhabitat:** *Apodemus flavicollis*

**Collection method:** trapping

**Example 2:**

ATBI: All Taxa Biodiversity Inventories in the Gemer Area, Slovakia (<http://www.atbi.eu/gemer/>)

Example of the data for *Diatrype stigma* (Hoff.) Fr. 1849

([http://www.atbi.eu/gemer/?q=node/22&tree\\_s=525](http://www.atbi.eu/gemer/?q=node/22&tree_s=525))

**NP Slovenský kras (Slovakia)**

Longitude	Latitude	Altitude	Date	Number	Collector (s)
O 20,7391	N 48,58266	490m	08.07.2008	99.784	Gizella Vasas, Csaba Locsmándi

**Locality name:** Mt Dolny vrch at Hrhov village

**Macrohabitat notes:** in calcareous *Fagus* forest mixt with *Carpinus*

**Collection method:** fieldwork

**Determinator:** Gizella Vasas, Csaba Locsmándi

**Deposit:** Hungarian Natural History Museum, Budapest

*C. Slovak Taxonomic and Biodiversity Information Facility - Database of localities*

<b>locality</b>	Žobrák (Malá Fatra) k. 1242 (140031)
<b>coordinates</b>	49:12:00 szš, 19:06:00 vzd (z mapy)
<b>altitude</b>	900-1242
<b>mapping square</b>	6780d
<b>orographic unit</b>	Malá Fatra

*D. Catalogues of Parasitological Collection of Hungarian Natural History Museum; data from the Aggtelek National Park*

Genus	<i>Acanthocyclops</i>
Species_subspecies	<i>robustus</i>
Settlement	Aggtelek
Locality	Vörös-tó
Date	
Month	
Position	N48 28.388 E20 32.561
Altitude	324 m
Author	L. FORRÓ
Title	THE CLADOCERA AND COPEPODA FAUNA OF THE AGGTELEK

	NATIONAL PARK
Class	
Order	Copepoda
Higher taxon	

### E. IBSAS phytocenological data

Id	Locality	Long	Lat
702542	Slovenský kras, Domické škrapy-nad jaskyňou Domica	20.47222222	48.47916667
702545	Slovenský kras, nad jaskyňou Domica	20.47222222	48.47916667
702554	Slovenský kras, ŠPR "Domické škrapy"	20.47222222	48.47916667
702555	Slovenský kras, nad jaskyňou Domica z maď.strany	20.49583333	48.47500000
702556	Slovenský kras, pri ceste Domica-Kečovo	20.47222222	48.47916667

### F. IBSAS GPS data

ID	NAME	LON	LAT
620971	ACONITUM FIRMUM MORAVICUM	18.95777778000	49.17222222000
620972	ACONITUM FIRMUM MORAVICUM	18.95777778000	49.17250000000
620973	ACONITUM FIRMUM MORAVICUM	18.95777778000	49.17277778000
620974	ACONITUM FIRMUM MORAVICUM	18.95777778000	49.17250000000
629120	ACONITUM FIRMUM MORAVICUM	18.95777778000	49.18277778000
636106	ACONITUM FIRMUM MORAVICUM	18.95777778000	49.19000000000

### G. Flora Europaea

Country/region	Description	<i>Canis lupus</i> (Linnaeus 1758)
Albania		Present
Andorra		Absent
Austria		Present
Azores		Absent
Balearic Is.	Incl. Mallorca I., Menorca I., and Pityuses Is. (= Ibiza I. + Formentera I.)	Absent

### H. MIZPAN datasets

Example of occurrence data prepared for MaxEnt:

Species	Longitude	Latitude
<i>Myotis alcatboe</i>	20.01	40.17

Example of occurrence data prepared for openModeller:

#ID	Species	Longitude	Latitude	Abundance
1	<i>Myotis alcatboe</i>	20.01	40.17	1