

**European Environment Agency
European Topic Centre on Biological Diversity**



**European Common Database on Nationally
Designated Areas - ECDDA-National**

Report on technical validation analysis of National Database

Hungary

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1 Introduction

This report shows results of EEA automated validation procedures run on the national CDDA data after the initial merge into the European dataset (ECDDA)

Report is divided in two main parts. Main statistics chapter shows overall summary of content of data tables. Data analysis contains results of individual validation procedures and has three sections, one for each data table. At the beginning of each of the section is a summary showing the most important findings for each field of the respective table. It shows also order number of individual test where more detailed information about the finding can be found. Findings which are pointing to some gap, error or discrepancy are highlighted.

You can navigate through the report by bookmarks you can see on the left side of this PDF document

Tip:

Use the table summary as a starting point. Here you can quickly see what is wrong with your national database (highlighted comments). Then use the bookmarks to jump directly on the detailed test result and check it.

Each result is marked according its relevance to data quality and correction urgency. There are 3 types of marks:

- i** Result is informative. It doesn't require any necessary or immediate action to improve data quality.
- ?** Data contained or quantified in the result may or may not require some actions with respect to their quality. More detailed information in the description of the result will help to decide which data are erroneous.
- !** Result contains or quantifies erroneous data which have to be corrected. The error usually violates some of the logical rules related to particular data.
- i ? !** Marks have green color if no records were detected in the test. As they wouldn't have much sense, detailed descriptions of such tests are also not displayed.

Tip:

At first you should put focus on red ! results. Second important are violet ? results where some of fields in table are highlighted with red color. Blue i results are just for information. And green marked results need no action on your part.

At the beginning of each result the number of detected records is shown and if it is possible and useful the percentage of total number of records is also shown. The validation result itself can be presented in few different ways.

1. Tabular result contains most information. Some fields in the table may be highlighted. What the highlighting means is explained in the legend above the table.
2. Condensed list is shown for results where the amount of detected records is so large that the detailed tabular presentation would not be practical. Some of the condensed lists are accompanied with short summary of main facts and findings.
3. A summary alone is provided in the few cases where the amount of records detected by a test is so huge that not even the condensed list would be useful (i.e. more than 3,000 cases).

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i 3 Main statistics

This test is comparing record numbers per table as coming from dataset prepared to be updated at national level and updated dataset delivered by country.

Records marked to be deleted are not counted into that comparison!

Legend - highlightings of result table fields

Number of records in new dataset

 Decrease

 Increase

 value No record

Number of data tables: 3

Table	Number of records in	
	old dataset	new dataset
designations	13	13
sites	242	250
sitehabitats	0	0

3.1 Field completeness

This test is comparing field completeness (counting not empty cells in tables) per table as coming from dataset prepared to be updated at national level and updated dataset delivered by country.

General formatting note:


Records marked to be deleted are not counted into that comparison.

Legend - highlightings of result table fields

Records filled in new

 Decrease

 Increase

 value No value in mandatory fields

Completeness in new

 Decrease

 Increase

 value Impossible to calculate (dividing by 0). Table contains no records!

i 3.1.1 Designations table

Number of columns: 16

Field	records filled in old	records filled in new	completeness (%) in old	completeness (%) in new
ISO3	13	13	100.00	100.00
DESIG_ABBR	13	13	100.00	100.00
Category	11	11	84.62	84.62
ODESIGNATE	13	13	100.00	100.00
DESIGNATE	13	13	100.00	100.00
Title_French	12	12	92.31	92.31
CDDA_sites	12	12	92.31	92.31
Law	12	11	92.31	84.62
Lawreference	12	11	92.31	84.62
Agency	12	11	92.31	84.62
Number	8	8	61.54	61.54

Field	records filled in old	records filled in new	completeness (%) in old	completeness (%) in new
Total_Area	7	7	53.85	53.85
Data_Source	0	0	0.00	0.00
Reference_date	0	0	0.00	0.00
Remark	9	9	69.23	69.23
Remark_Source	5	5	38.46	38.46

i 3.1.2 Sites table

Number of columns: 18

Field	records filled in old	records filled in new	completeness (%) in old	completeness (%) in new
SITE_CODE	242	250	100.00	100.00
SITE_CODE_NAT	242	250	100.00	100.00
ISO3	242	250	100.00	100.00
DESIG_ABBR	242	250	100.00	100.00
AREANAME	242	250	100.00	100.00
SIZE	242	250	100.00	100.00
IUCNCAT	242	250	100.00	100.00
NUTS	242	250	100.00	100.00
YEAR	242	250	100.00	100.00
ALTITUDE_MIN	0	0	0.00	0.00
ALTITUDE_MAX	0	0	0.00	0.00
LAT	138	138	57.02	55.20
LON	138	138	57.02	55.20
EIONET_CHNG_DATE	0	0	0.00	0.00
EIONET_CHNG_TYPE	194	202	80.17	80.80
EIONET_EDITED_BY	0	0	0.00	0.00
EIONET_INSTITUTE	0	0	0.00	0.00
NOTES	4	50	1.65	20.00

i 3.1.3 Sitehabitats table

Number of columns: 3

Field	records filled in old	records filled in new	completeness (%) in old	completeness (%) in new
SITE_CODE	0	0	N/A	N/A
EUNIS_Hab	0	0	N/A	N/A
Cover	0	0	N/A	N/A

4 Analysis of data

4.1 Designations table

Following tests are performed with full designation table as it was updated at national level and meaning of tests is to validate data at technical point of view as well as give basic statistics.

Records marked to be deleted are also included in the test results. They are written in gray italic font to recognize them.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/dstable.jsp?mode=view&table_id=3898

Summary of the test results

Following table shows overall comments for individual fields of the table. It is a summary aggregated from detailed results.

Designations marked to be deleted are not counted in the summary with exceptions of fields where such records are subjects of the test.

Comments in bold font shows errors or other discrepancies in data.

Column "Detailed test" shows numeric code of particular test where the information shown in table was extracted from. You may check that test result if more details are required.

Field	Comment	Detailed test
ISO3	Filled correctly	4.1.06
DESIG_ABBR	No new designations	4.1.01
	No designations marked to be deleted.	4.1.03
	All designations have designation code	4.1.07
Category	All designations have "Category" code	4.1.11
ODESIGNATE	Filled correctly	4.1.15
DESIGNATE	All designatons have English name	4.1.15
Title_French	1 designation (HU10) has missing French name	
CDDA_sites	3 designations are marked not creating sites ("Total_Area_reference" is missing for all of them). Explanantion in "Remark" is missing for all of them! Check whether it is not an error!	4.1.17
Law	Filled correctly	4.1.18
Lawreference	1 designation (HU10) has missing "Lawreference"!	4.1.18
Agency	Filled correctly	4.1.19
Number, Total_Area	Filled correctly	4.1.20
Number_reference	Field is empty for all records	4.1.23
Total_Area_reference	Field is empty for all records	4.1.23
Data_Source	Field is empty for all records	4.1.23
Reference_date	Field is empty for all records	4.1.23
Remark	9 designations have "Remark" filled. "Remark_Source" is missing for 4 of them! Check also other field comments whether some explanations are not missing here.	4.1.24
Remark_Source	"Remark_Source" is missing for 4 designations! 5 designations have "Remark_Source" filled.	4.1.24
To_be_deleted	No designation marked to be deleted	4.1.03

i 4.1.01 New designations

Number of new records in the designations table: **0**

! 4.1.02 Designations deleted without marking them to be deleted

Number of detected records: **0**

? 4.1.03 Designations marked to be deleted

Number of detected records: **0**

i 4.1.04 Comparison of number of sites and total area of individual designations between old and new datasets

That test is comparing number and total area of sites as it is coming from sites table as well as from boundary files of previous and current update of data and is presenting result per designation.

Legend - highlightings of result table fields

- Number of sites in new dataset
 - Decrease
 - Increase
- Number of sites in GIS
 - Some sites from new dataset are missing in boundary data
- Total area in new dataset
 - Decrease
 - Increase
- Total area in GIS
 - Difference between total site size in new dataset and boundary data is greater than 5%

Number of detected records: **13**

ISO3	DESIG ABBR	Number of sites in			Total area (ha) in		
		old dataset	new dataset	GIS	old dataset	new dataset	GIS
HUN	HU00	0	0	0	0	0	
HUN	HU01	10	10	0	484121	485790	
HUN	HU02	36	36	0	322073	324069	
HUN	HU03	146	152	0	27983	29173	
HUN	HU04	0	0	0	0	0	
HUN	HU05	48	48	0	9329	9329	
HUN	HU06	0	0	0	0	0	
HUN	HU07	0	0	0	0	0	
HUN	HU08	1	1	0	0	0	
HUN	HU09	0	0	0	0	0	
HUN	HU10	0	0	0	0	0	
HUN	HU11	1	3	0	35837	118626	
HUN	HU99	0	0	0	0	0	
		242	250	0	879343	966987	

? 4.1.05 Designations not present in "SITES" table

That test is listing designations that do not have any site data reported in sites table. It shows designations having "CDDA_Sites" field marked both "Yes" and "No". Also "Remark" field entry is given to check if there is any reason explained especially for those marked "Yes" (they will create sites, but the data are just not there for some reason).

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=21601

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=26791

Legend - highlightings of result table fields

Remark Explanation is missing why designations marked as creating sites, do not have any sites in Sites table!

Number of detected records: **7**

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	CDDA sites	Remark
HUN	HU00		Nem védett	No Protection Status	False	
HUN	HU04	A	Helyi jelentőségű védett terület	Local Nature Conservation Area	False	
HUN	HU06	A	Ex lege védett láp	"Ex lege" Protected Mire	True	The size of area is provisional because of land-register work is not completed yet
HUN	HU07	A	Ex lege védett szikes tó	"Ex lege" Protected Sodic Lake	True	The size of area is provisional because of land-register work is not completed yet
HUN	HU09	A	Barlang	Cave	True	The inventory of caves is not complete yet
HUN	HU10	B	Érzékeny Természeti Területek	Environmentally Sensitive Areas	True	Area changes frequently
HUN	HU99		Egyéb	Other	False	

! 4.1.06 Designations where ISO3 is empty

Number of detected records: **0**

! 4.1.07 Designations where "DESIG_ABBR" is empty

Number of detected records: **0**

! 4.1.08 Designations where "DESIG_ABBR" do not follow official naming convention

Number of detected records: **0**

! 4.1.09 Designations where "DESIG_ABBR" is duplicated

Number of detected records: **0**

i 4.1.10 Designations where "Category" has been changed

Number of detected records: **0**

! 4.1.11 Designations where "Category" is empty (numeric part of "DESIG_ABBR" is different then "00" and "99")

Number of detected records: 0

! 4.1.12 Designations where "Category" is not present in official list ("DESIG_CATEGORIES" table)

Number of detected records: 0

i 4.1.13 Designations where "DESIGNATE" has been changed

Number of detected records: 0

! 4.1.14 Designations where "DESIGNATE" is empty

Number of detected records: 0

! 4.1.15 Designations where "ODESIGNATE" is empty

Number of detected records: 0

i 4.1.16 Designations where "CDDA_sites" has been changed

Number of detected records: 0

? 4.1.17 Designations where "CDDA_sites" is False (No)

When "CDDA_sites" entry is "No", user can be sure there will not be any site with that designation in sites table, if there is it is actually an error. Also it would be very relevant if explanation why that designation is not creating any sites would be entered into "Remark" field.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=18922

Legend - highlightings of result table fields

- Total Area reference Missing value (designations which are not creating sites should have this value filled)
- Remark Explanation is missing! Check also records not highlighted whether the reason is properly explained!
- Number of Sites Designation marked not creating sites should not have any valid site in Sites table!

Number of detected records: 3

ISO3	DESIG ABBR	Category	DESIGNATE	CDDA sites	Total Area reference	Remark	Number of sites
HUN	HU00		No Protection Status	False			0
HUN	HU04	A	Local Nature Conservation Area	False			0
HUN	HU99		Other	False			0
							0

! 4.1.18 Designations where "Law" or "Lawreference" is empty ("Category is else then "C")

"Law" and "Lawreference" entries are very needed to ensure legal background of designation and to allow any kind of juridical comparison of national designations in Europe, therefore it is very important that those fields are filled and also direct to articles in law as well as web links to the law when it is available.


Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20660

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=18584

Legend - highlightings of result table fields

Law  Missing value (error)

Lawreference  Missing value (error)

Number of detected records: 1

ISO3	DESIG ABBR	Category	DESIGNATE	Law	Lawreference	Number of sites
HUN	HU10	B	Environmentally Sensitive Areas	Ministerial Decree 2/2002		0
						0

! 4.1.19 Designations where "Agency" is empty

Number of detected records: 0

! 4.1.20 Designations where "Number" or "Total_Area" have been changed

Number of detected records: 0

? 4.1.21 Designations where "Number_reference" has been changed

Number of detected records: 0

? 4.1.22 Designations where "Total_Area_reference" has been changed

Number of detected records: 0

? 4.1.23 Designations where "Number_reference", "Total_Area_reference", "Date_Source" or "Reference_date" is not empty

Number of detected records: 0

i 4.1.24 Designations where "Remark" or "Remark_source" is not empty

Those two fields should always be filled together, so if there is any remark to be entered related to any field entry or gap of that particular record, please fill both Remark and Remark_source field. To latter put person and/or institution name who made remark. Users of data will seek for remarks when some field entries of record are missing or when some basic entries have changed. Remark can also be used to point the reason why for example site data of designation is missing in sites table.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20963

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=23302

Legend - highlightings of result table fields

Remark Source



Missing value, error!



Value is not required (Remark is empty). Check whether it is not an error!

Number of detected records: **9**

ISO3	DESIG ABBR	Category	DESIGNATE	Remark	Remark Source	Number of sites
HUN	HU01	A	National Park	Area data is more precise than before		10
HUN	HU02	A	Landscape Protection Area	Area data is more precise than before		36
HUN	HU03	A	Nature Conservation Area	2 new NCA, area changed,		152
HUN	HU06	A	"Ex lege" Protected Mire	The size of area is provisional because of land-register work is not completed yet	Ministry for Environment	0
HUN	HU07	A	"Ex lege" Protected Sodic Lake	The size of area is provisional because of land-register work is not completed yet	Ministry for Environment	0
HUN	HU08	A	Natural Monument	Area can't be given, not applicable data		1
HUN	HU09	A	Cave	The inventory of caves is not complete yet	Ministry for Environment	0
HUN	HU10	B	Environmentally Sensitive Areas	Area changes frequently	Ministry for Environment and Water	0
HUN	HU11	A	Naturpark	New cathegory	Ministry for Environment and Water	3
						202

4.2 Sites table

Following tests are performed with full sites table as it was updated at national level and meaning of tests is to validate data at technical point of view as well as give basic statistics.

Records marked to be deleted are also included in the test results. They are written in gray italic font to recognize them.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/dstable.jsp?mode=view&table_id=3530

Summary of the test results

Following table shows overall comments for individual fields of the table. It is a summary aggregated from detailed results.

Sites marked to be deleted are not counted in the summary with exceptions of fields where such records are subjects of the test.

Comments in bold font shows errors or other discrepancies in data.





Column "Detailed test" shows numeric code of particular test where the information shown in table was extracted from. You may check that test result if more details are required.

Field	Comment	Detailed test
SITE_CODE	8 new sites.	4.2.01
	No sites marked to be deleted	4.2.03
SITE_CODE_NAT	1 site (178355) has national site code changed (from 298/TT/98 to 289/TT/98)	4.2.05
	All sites have national site code	4.2.06
	1 national site code (272/TT/96) is duplicated (2 sites have this code totally)!	4.2.07
ISO3	Filled correctly	4.2.08
DESIG_ABBR	All sites have designation code	4.2.10
AREANAME	1 site (9586) has area name changed (from Budai Sas-hegy to Sas-hegy)	4.2.12
	All sites have area name	4.2.13
	1 area name (Vértesi) is duplicated (2 sites have this name totally).	4.2.14
SIZE	38 sites have size changed	4.2.15
	All sites have size	4.2.16
IUCNCAT	All sites have IUCN category	4.2.19
NUTS	All sites have NUTS codes	4.2.21
YEAR	All sites have year	4.2.23
ALTITUDEs	250 sites have missing at least one of altitudes!	4.2.25
LAT, LON	112 sites have missing coordinates!	4.2.29
	11 sites have coordinates outside of reference geographic area of the country!	4.2.30
	2 pairs of coordinates are duplicated (4 sites have these coordinates totally).	4.2.31
To_be_deleted	No sites marked to be deleted	4.2.33
EIONET fields	40 sites have at least one value in record changed. All of them have EIONET_CHNG_DATE either missing or not changed! All of changed sites have EIONET_EDITED_BY missing! All of changed sites have EIONET_INSTITUTE missing!	4.2.34
NOTES	50 sites have "NOTES" filled.	4.2.32

i 4.2.01 New sites

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=22418**Legend - highlightings of result table fields**

SITE CODE		Missing value (will be filled on central European level)
YEAR		Detects "new" sites designated (site with year of designation >= year of the previous version)
		Detects "old" site added (site with year of designation < year of the previous version)
		Field is either empty or value is suspicious low or high (see test 4.2.24 for more details)

Number of new records in the sites table: **8 (3.2 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	YEAR
346016	303/TT/06	HUN	HU03	Bécsi-domb	8	2006
346017	299/TT/05	HUN	HU03	Òà^ ..)^ ã{ æ^ æÀ •: ä{ [•	3	2005
346018	304/TT/06	HUN	HU03	Ikva-patak menti	18	2006
346019	305/TT/06	HUN	HU03	Kapszeg-tó	156	2006
346020	302/TT/06	HUN	HU03	Liget-patak menti	27	2006
346021	306/TT/06	HUN	HU03	Szeghalmi Kék-tó	112	2006
346022	NAP-2	HUN	HU11	! ð	20119	2006
346023	NAP-3	HUN	HU11	Sokoró-Pannontáj	62670	2006
					83113	

! 4.2.02 Sites deleted without marking them to be deletedNumber of detected records: **0****? 4.2.03 Sites marked to be deleted**Number of detected records: **0****! 4.2.04 Sites where "SITE_CODE" is duplicated**Number of detected records: **0****i 4.2.05 Sites where "SITE_CODE_NAT" was changed**

In principle SITE_CODE_NAT is secondary key field that will be used for analysis when SITE_CODE field is empty, therefore it is very important that this field is also unique and remains unchanged. If it still changes for some reason, please enter that reason to the NOTES field to be taken into account during database analysis.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=29062Number of detected records: **1 (0.4 %)**

SITE CODE	SITE CODE NAT		ISO3	DESIG ABBR	AREANAME	SIZE
	old	new				
178355	298/TT/98	289/TT/98	HUN	HU03	Kunpeszéri Szalag-erdő	90
						90

! 4.2.06 Number of sites by designation where "SITE_CODE_NAT" is empty

Number of detected designations: 0

! 4.2.07 Sites where "SITE_CODE_NAT" is duplicated

SITE_CODE and SITE_CODE_NAT are relational key fields. If SITE_CODE is missing and SITE_CODE_NAT is duplicated it is impossible to relate tables properly and perform database analysis, therefore duplication of SITE_CODE_NAT is taken as an error.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=29062

Legend - highlightings of result table fields

SITE CODE NAT Duplicated codes

Number of detected records: 2

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME
178357	272/TT/96	HUN	HU03	Long-erdő
178362	272/TT/96	HUN	HU03	Rétszilasi-tavak

! 4.2.08 Sites where "ISO3" is empty or incorrect

Number of detected records: 0

? 4.2.09 Sites where "DESIG_ABBR" was changed

Number of detected records: 0

! 4.2.10 Sites where "DESIG_ABBR" is empty

Number of detected records: 0

! 4.2.11 Number of sites by designation where "DESIG_ABBR" is not present in "DESIGNATIONS" table

Number of detected designations: 0

i 4.2.12 Sites where "AREANAME" was changed

As CDDA is feeding also global database of designated areas it is important to keep site name as unchanged as possible, if there is real legal change, please give remark about it into NOTES field, if it is correction of error, please mark it properly at the EIONET_CHNG_TYPE field (see 4.2.34).

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28137

Number of detected records: 1 (0.4 %)

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME		SIZE
				old	new	
9586	64/TT/57	HUN	HU03	Budai Sas-hegy	Sas-hegy	30
						30

? 4.2.13 Number of sites by designation where "AREANAME" is empty

Number of detected designations: 0

i 4.2.14 Sites where "AREANAME" is duplicated

Although the site name is not really a key field result of that test is given to be checked at national level if it corresponds to national database and also still suggestion is to give site names at national level such way that they also can be unique if it is possible of course, it will also help any kind of statistical analysis also at national level.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28137

Number of detected records: **2**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME
9572	139/TK/76	HUN	HU02	Vértési
337451	NAP-1	HUN	HU11	Vértési

i 4.2.15 Sites where "SIZE" was changed

When size entry of the site has changed it may refer to correction of error or real update of site record, please mark it properly at the EIONET_CHNG_TYPE field (see 4.2.34).

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20262

Number of detected records: **38 (15.2 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE		NOTES
					old	new	
680	138/NP/76	HUN	HU01	Bükki	43295	43176	size
681	109/NP/74	HUN	HU01	Kiskunsági	51409	51364	size
9568	170/TK/80	HUN	HU02	Kőszegi	4297	4331	size
9574	126/TK/76	HUN	HU02	Zselicségi	8337	8248	size
9575	146/TK/77	HUN	HU02	Kelet-Mecsek	9457	9419	size
9576	158/TK/78	HUN	HU02	Közép-Tiszai	8313	8505	size
9583	27/TT/51	HUN	HU03	Vácrátóti arborétum	28	29	size
9596	18/TT/50	HUN	HU03	Bátorligeti ősláp	53	52	size
9602	148/TT/77	HUN	HU03	Tiszadobi ártér	1094	1074	size
9670	65/TT/57	HUN	HU03	Velencei madárrezervátum	444	418	size
9671	87/TT/66	HUN	HU03	Dinnyési Fertő	530	566	size
9679	6/TT/42	HUN	HU03	Baláta-tó	190	99	size
9699	120/TT/75	HUN	HU03	Kunfehértói holdrutás erdő	120	720	size
11819	183/TK/86	HUN	HU02	Tokaj-Bodrogzug	5144	5058	size
11824	184/TT/86	HUN	HU03	Bihari legelő	711	771	size
13658	172/TK/84	HUN	HU02	Zempléni	27397	27783	size
18939	201/TK/88	HUN	HU02	Hajdúsági	7436	7423	size
30729	212/TK/89	HUN	HU02	Borsodi Mezőségi	18583	18832	size
30730	231/TK/90	HUN	HU02	Gödöllői Dombvidék	11427	12350	size
30853	211/TK/89	HUN	HU02	Karancs-Medves	6832	6874	size
30854	210/TK/89	HUN	HU02	Kelet-Cserhát	6793	6985	size
30855	232/TK/90	HUN	HU02	Kesznyéteni	5728	6139	size
30870	221/TT/90	HUN	HU03	Kiskőrösi Turjános	408	637	size
30880	234/TT/90	HUN	HU03	Szendrőládi-rétek	3	2	size
100798	271/NP/96	HUN	HU01	Duna-Dráva	49386	49757	size
178325	283/NP/97	HUN	HU01	Duna-Ipoly	60440	61931	size
178326	276/NP/97	HUN	HU01	Körös-Maros	50985	50956	size
178328	284/TK/98	HUN	HU02	Bihari -sík	17235	17202	size
178329	242/TK/91	HUN	HU02	Boronka-melléki	8435	8502	size

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE		NOTES
					old	new	
178330	293/TK/99	HUN	HU02	Dél-Mezőföld	7605	7714	size
178331	258/TK/93	HUN	HU02	Hevesi Fűves Puszták	14257	13886	size
178332	239/TK/91	HUN	HU02	Magas-bakonyi	8390	8416	
178333	253/TK/92	HUN	HU02	Pannonhalmi	8255	8271	size
178334	280/TK/97	HUN	HU02	Sárvíz-völgye	3662	3641	size
178350	263/TT/93	HUN	HU03	Hévízi-tó	29	61	size
178351	244/TT/91	HUN	HU03	Kaszonyi-hegy	156	206	size
178352	251/TT/92	HUN	HU03	Kiskunhalas Fejtéki- mocsár	25	40	size
178369	25/TT/51	HUN	HU03	Uzsai csarabos erdő	116	98	size
					447005	451536	

! 4.2.16 Number of sites by designation where "SIZE" is empty

Number of detected designations: 0

! 4.2.17 Sites where "SIZE" is significantly different from respective GIS boundary area or where it is greater than ISO3 country reference size.

Number of detected records: 0

i 4.2.18 Sites where "IUCNCAT" was changed

Number of detected records: 0

! 4.2.19 Number of sites by designation where "IUCNCAT" is empty

Number of detected designations: 0

! 4.2.20 Number of sites by IUCN category where "IUCNCAT" is not present in official list ("IUCNCATEGORIES" table)

Number of detected designations: 0

i 4.2.21 Number of sites by designation where "NUTS" is empty

Number of detected designations: 0

? 4.2.22 Sites where "YEAR" was changed

Number of detected records: 0

! 4.2.23 Number of sites by designation where "YEAR" is empty

Number of detected designations: 0

! 4.2.24 Sites where "YEAR" is less than 1872 or greater than 2008

Number of detected records: 0

! 4.2.25 Number of sites by designations where at least one of altitudes is empty

It is important for statistical purposes that altitude value of site is there.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=18809http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=23453**Legend - highlightings of result table fields**Valid sites number Number of sites where detected error should be corrected

Number of detected designations: 6

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
HU01	National Park	10	100	485790	0	0	0
HU02	Landscape Protection Area	36	100	324069	0	0	0
HU03	Nature Conservation Area	152	100	29173	0	0	0
HU05	Forest Reserve	48	100	9329	0	0	0
HU08	Natural Monument	1	100	0	0	0	0
HU11	Naturpark	3	100	118626	0	0	0
		250	100	966987	0	0	0

! 4.2.26 Sites where "ALTITUDE_MIN" is higher than "ALTITUDE_MAX"

Number of detected records: 0

? 4.2.27 Sites where at least one of altitudes is out of reference elevation range of the country

Number of detected records: 0

? 4.2.28 Sites where coordinates were changed

Number of detected records: 0

! 4.2.29 Number of sites by designations where at least one of coordinates is empty

If both or at least one of coordinates is missing and also digital boundaries of those sites are not available or are delivered without SITE_CODE, those records can not be used in reports of designated areas where over-European or global level maps are important.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28825http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20550**Legend - highlightings of result table fields**Valid sites number Number of sites where detected error should be corrected

Number of detected designations: 6

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
HU01	National Park	8	80	372903	0	0	0
HU02	Landscape Protection Area	6	16.67	43575	0	0	0

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
HU03	Nature Conservation Area	46	30.26	6501	0	0	0
HU05	Forest Reserve	48	100	9329	0	0	0
HU08	Natural Monument	1	100	0	0	0	0
HU11	Naturpark	3	100	118626	0	0	0
		112	44.8	550934	0	0	0

! 4.2.30 Sites where coordinates are outside of reference geographic area of the country

That test is checking if coordinates delivered are really falling to national geographic area of country they come from or are at least are less than 2 km of the nearest boundary of the country. If not result is there to be checked and if needed to be corrected at national level. Reference GIS source is of small scale (1:1000000) therefore the test doesn't need to be utterly accurate.

Result was also transformed to KML file which can be downloaded from the same location as this report. KML is a file format used to display geographic data in an Earth browser, such as Google Earth. You may use this file and browser to check the result more conveniently.

GIS source for country geographic area is Vmap0 World Dataset, available at the following URL:

http://www.mapability.com/index1.html?http&&www.mapability.com/info/vmap0_index.html

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28825

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20550

Legend - highlightings of result table fields

LAT, LON	 	Coordinates outside country. Check whether it is a real error or it caused just because of slight differences in used GIS data sources.
LAT	value	Coordinate is out of possible range (-90 to +90)
LON	value	Coordinate is out of possible range (-180 to +180)

Number of detected records: **11 (4.4 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	LAT	LON
9595	153/TT/77	HUN	HU03	Rudabányai őshominida lelőhely	2	48.66667	20.66667
9683	111/TT/75	HUN	HU03	Mohácsi Történelmi Emlékhely	7	45.83333	19.66667
11820	178/TT/85	HUN	HU03	Keszthelyi kastélypark	8	48.33333	20.33333
18939	201/TK/88	HUN	HU02	Hajdúsági	7423	52.94079	13.0365
30853	211/TK/89	HUN	HU02	Karancs-Medves	6874	48.25	19.75
178325	283/NP/97	HUN	HU01	Duna-Ípoly	61931	50.99016	13.88511
178326	276/NP/97	HUN	HU01	Körös-Maros	50956	52.00888	12.04235
178330	293/TK/99	HUN	HU02	Dél-Mezőföld	7714	50.76353	11.99634
178331	258/TK/93	HUN	HU02	Hevesi Fűves Puszták	13886	52.06033	13.26335
178332	239/TK/91	HUN	HU02	Magas-bakonyi	8416	50.14735	12.96647
178337	260/TK/93	HUN	HU02	Tarnavidéki	9539	51.82119	14.07379
					166756		

i 4.2.31 Sites where coordinates are duplicated

Site coordinate duplication could refer to an error if designation of sites is same. Please check results and if needed make corrections.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28825

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20550

Number of detected records: 4

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	LAT	LON
9585	61/TT/57	HUN	HU03	Szemlőhegyi barlang felszine	1	47.5	19
30860	75/TT/60	HUN	HU03	Budapesti Botanikus kert	3	47.5	19
14248	189/TT/87	HUN	HU03	Tályai Patócs-hegy	3	48.25	21.33333
30864	236/TT/90	HUN	HU03	Erdőbényei fás legelő	214	48.25	21.33333
					221		

i 4.2.32 Number of sites by designation where "NOTES" is not empty

Result is just informational.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=25701

Number of detected designations: 4

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
HU01	National Park	5	50	257184	0	0	0
HU02	Landscape Protection Area	18	50	181163	0	0	0
HU03	Nature Conservation Area	24	15.79	5621	0	0	0
HU11	Naturpark	3	100	118626	0	0	0
		50	20	562594	0	0	0

! 4.2.33 Sites marked to be deleted but where "NOTES" is empty

Number of detected records: 0






? 4.2.34 Edited records and analysis of EIONET fields

Please always mark your editing at the fields EIONET_CHNG_TYPE, EIONET_CHNG_DATE, EIONET_EDITED_BY and EIONET_INSTITUTE. This test is giving your editing recording results for you to check and for validation purposes.

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=27745
http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28022
http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=24470
http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=26591

Legend - highlightings of result table fields

EIONET CHNG DATE new		Field is either empty or it was not changed, error!
EIONET CHNG TYPE		Field is empty, error!
		value Incorrect value (allowable values are "A", "C" and "U"), error!
EIONET EDITED BY		Field is empty, error!
EIONET INSTITUTION		Field is empty, error!

Number of detected records: 40 (16 %)

SITE CODE	changed	EIONET				
		CHNG DATE		CHNG TYPE	EDITED BY	INSTITUTE
		old	new			
680	size, notes,			U		
681	size, notes,			U		
9568	size, notes,			U		
9574	size, notes,			U		
9575	size, notes,			U		

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SITE CODE	changed	EIONET				
		CHNG DATE		CHNG TYPE	EDITED BY	INSTITUTE
		old	new			
9576	size, notes,			U		
9583	size, notes,			U		
9586	areaname, notes,			U		
9596	size, notes,			U		
9602	size, notes,			U		
9670	size, notes,			U		
9671	size, notes,			U		
9679	size, notes,			U		
9699	size, notes,			U		
11819	size, notes,			U		
11824	size, notes,			U		
13658	size, notes,			U		
18939	size, notes,			U		
30729	size, notes,			U		
30730	size, notes,			U		
30853	size, notes,			U		
30854	size, notes,			U		
30855	size, notes,			U		
30870	size, notes,			U		
30880	size, notes,			U		
100798	size, notes,			U		
178325	size, notes,			U		
178326	size, notes,			U		
178328	size, notes,			U		
178329	size, notes,			U		
178330	size, notes,			U		
178331	size, notes,			U		
178332	size,			U		
178333	size, notes,			U		
178334	size, notes,			U		
178350	size, notes,			U		
178351	size, notes,			U		
178352	size, notes,			U		
178355	site_code_nat, notes,			U		
178369	size, notes,			U		

4.3 Sitehabitats table

Table contains no records!