

**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**

**Croatia**

**version. 1 - August 2007**

## 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)

**Your country didn't participate in the 2007 CDDA data flow. Therefore the latest data published by EEA were used for the purpose of the quality analysis in this report. If you have any questions please contact EEA.**

Contact e-mail: [Marek.Staron@eea.europa.eu](mailto:Marek.Staron@eea.europa.eu)

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).

## 2 Table of content

### 1 Introduction

### 2 Table of content

i

### 3 Main statistics

#### 3.1 Field completeness

i 3.1.1 Designations table

i 3.1.2 Sites table

i 3.1.3 Sitehabitats table

### 4 Analysis of data

#### 4.1 Designations table

i 4.1.01 New designations

! 4.1.02 Designations deleted without marking them to be deleted

? 4.1.03 Designations marked to be deleted

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

? 4.1.05 Designations not present in "SITES" table

! 4.1.06 Designations where ISO3 is empty

! 4.1.07 Designations where "DESIG\_ABBR" is empty

! 4.1.08 Designations where "DESIG\_ABBR" do not follow official naming convention

! 4.1.09 Designations where "DESIG\_ABBR" is duplicated

i 4.1.10 Designations where "Category" has been changed

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

! 4.1.12 Designations where "Category" is not present in official list ("DESIG\_CATEGORIES" table)

i 4.1.13 Designations where "DESIGNATE" has been changed

! 4.1.14 Designations where "DESIGNATE" is empty

! 4.1.15 Designations where "ODESIGNATE" is empty

i 4.1.16 Designations where "CDDA\_sites" has been changed

? 4.1.17 Designations where "CDDA\_sites" is False (No)

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

! 4.1.19 Designations where "Agency" is empty

! 4.1.20 Designations where "Number" or "Total\_Area" have been changed

? 4.1.21 Designations where "Number\_reference" has been changed

? 4.1.22 Designations where "Total\_Area\_reference" has been changed

? 4.1.23 Designations where "Number\_reference", "Total\_Area\_reference", "Date\_Source" or "Reference\_date" is not empty

i 4.1.24 Designations where "Remark" or "Remark\_source" is not empty

! 4.1.25 Designations marked to be deleted but where "Remark" is empty

#### 4.2 Sites table

i 4.2.01 New sites

! 4.2.02 Sites deleted without marking them to be deleted

? 4.2.03 Sites marked to be deleted

! 4.2.04 Sites where "SITE\_CODE" is duplicated

i 4.2.05 Sites where "SITE\_CODE\_NAT" was changed

! 4.2.06 Number of sites by designation where "SITE\_CODE\_NAT" is empty

! 4.2.07 Sites where "SITE\_CODE\_NAT" is duplicated

- ! 4.2.08 Sites where "ISO3" is empty or incorrect
- ? 4.2.09 Sites where "DESIG\_ABBR" was changed
- ! 4.2.10 Sites where "DESIG\_ABBR" is empty
- ! 4.2.11 Number of sites by designation where "DESIG\_ABBR" is not present in "DESIGNATIONS" table
- i 4.2.12 Sites where "AREANAME" was changed
- ? 4.2.13 Number of sites by designation where "AREANAME" is empty
- i 4.2.14 Sites where "AREANAME" is duplicated
- i 4.2.15 Sites where "SIZE" was changed
- ! 4.2.16 Number of sites by designation where "SIZE" is empty
- ! 4.2.17 Sites where "SIZE" is greter than size of ISO3 country
- i 4.2.18 Sites where "IUCNCAT" was changed
- ! 4.2.19 Number of sites by designation where "IUCNCAT" is empty
- ! 4.2.20 Number of sites by IUCN category where "IUCNCAT" is not present in official list ("IUCNCATEGORIES" table)
- i 4.2.21 Number of sites by designation where "NUTS" is empty
- ? 4.2.22 Sites where "YEAR" was changed
- ! 4.2.23 Number of sites by designation where "YEAR" is empty
- ! 4.2.24 Sites where "YEAR" is less than 1872 or greater than 2007
- ! 4.2.25 Number of sites by designations where at least one of altitudes is empty
- ! 4.2.26 Sites where "ALTITUDE\_MIN" is higher than "ALTITUDE\_MAX"
- ? 4.2.27 Sites where at least one of altitudes is out of reference elevation range of the country
- ? 4.2.28 Sites where coordinates were changed
- ! 4.2.29 Number of sites by designations where at least one of coordinates is empty
- ! 4.2.30 Sites where coordinates are outside of reference bounding box/boxes of the country
- i 4.2.31 Sites where coordinates are duplicated
- i 4.2.32 Number of sites by designation where "NOTES" is not empty
- ! 4.2.33 Sites marked to be deleted but where "NOTES" is empty
- ? 4.2.34 Edited records and analysis of EIONET fields

### **4.3 Sitehabitats table**

- ! 4.3.01 Number of habitat records by sites which are not present in "Sites" table
- ? 4.3.02 Number of habitat records by sites which are marked to be deleted in "Sites" table
- i 4.3.03 Number of habitat records, sites with habitats and sites without habitats subdivided by designation
- ! 4.3.04 Habitat records where habitat code is either empty or incorrect (not present in official list)
- i 4.3.05 Number of habitat records by habitat categories subdivided by habitat level
- ! 4.3.06 Number of habitat records by categories where coverage is empty or 0
- ! 4.3.07 Habitat records where coverage is > 100%
- i 4.3.08 Sites where total habitat coverage is < 100%

## 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
designations	9
sites	195
sitehabitats	<b>0</b>

### 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 new	completeness (%) in new
ISO3	9	100.00
DESIG_ABBR	9	100.00
Category	0	0.00
ODESIGNATE	9	100.00
DESIGNATE	9	100.00
Title_French	7	77.78
CDDA_sites	7	77.78
Law	<b>0</b>	<b>0.00</b>
Lawreference	<b>0</b>	<b>0.00</b>
Agency	<b>0</b>	<b>0.00</b>
Number	7	77.78
Total_Area	7	77.78

Field	records filled in new	completeness (%) in new
Data_Source	0	0.00
Reference_date	0	0.00
Remark	0	0.00
Remark_Source	0	0.00

### **i** 3.1.2 Sites table

Number of columns: 18

Field	records filled in new	completeness (%) in new
SITE_CODE	195	100.00
SITE_CODE_NAT	0	0.00
ISO3	195	100.00
DESIG_ABBR	195	100.00
AREANAME	195	100.00
SIZE	192	98.46
IUCNCAT	195	100.00
NUTS	0	0.00
YEAR	195	100.00
ALTITUDE_MIN	8	4.10
ALTITUDE_MAX	8	4.10
LAT	178	91.28
LON	178	91.28
EIONET_CHNG_DATE	0	0.00
EIONET_CHNG_TYPE	0	0.00
EIONET_EDITED_BY	0	0.00
EIONET_INSTITUTE	0	0.00
NOTES	0	0.00

### **i** 3.1.3 Sitehabitats table

Number of columns: 3

Field	records filled in new	completeness (%) in new
SITE_CODE	0	N/A
EUNIS_Hab	0	N/A
Cover	0	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](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
	<b>7 designations don't follow official naming convention!</b>	4.1.08
	<b>2 designation codes are duplicated (4 designations have this codes totaly)! Check detailed test result whether the error was not caused by other country.</b>	4.1.09
Category	<b>7 designations have missing "Category" code!</b>	4.1.11
ODESIGNATE	Filled correctly	4.1.15
DESIGNATE	All designatons have English name	4.1.15
Title_French	2 designations have missing French name	
CDDA_sites	<b>2 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!</b>	4.1.17
Law	Filled correctly	4.1.18
Lawreference	Filled correctly	4.1.18
Agency	<b>7 designations have missing "Agency"!</b>	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	Field is empty for all records. Check also other field comments whether some explanations are not missing here.	4.1.24
Remark_Source	Field is empty for all records	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****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 IncreaseTotal area in new dataset  Decrease IncreaseNumber of detected records: **9**

ISO3	DESIG ABBR	Category	DESIGNATE	Number of sites in		Total area (ha) in	
				old dataset	new dataset	old dataset	new dataset
HRV	FoP		Forest Park	26	26	7919.13	7919.13
HRV	HR00		No Protection Status	0	0	0	0
HRV	HR99		Others	0	0	0	0
HRV	NaP		Nature Park	6	6	266932	266932
HRV	NM		Natural Monument	48	48	640	640
HRV	NP		National Park	7	7	70163	70163
HRV	PL		Protected Landscape	32	32	40543	40543
HRV	SNR		Strict Nature Reserve	2	2	2395	2395
HRV	SpR		Special Reserve	74	74	32504	32504
				<b>195</b>	<b>195</b>	<b>421096.13</b>	<b>421096.13</b>

**? 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=21601)[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=26791](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: **2**

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	CDDA sites	Remark
HRV	HR00		No Protection Status	No Protection Status	False	

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	CDDA sites	Remark
HRV	HR99		Other	Others	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

To be in accordance with other databases at international and global level it is very important that naming of "DESIG\_ABBR" is following official naming guide: ISO2 country code + two digits number between 00 and 99. Any other abbreviation will no longer be accepted.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=26791](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=26791)

##### Legend - highlightings of result table fields

ISO2  Correct country ISO2 code. Should be used as first part of correct DESIG\_ABBR code.  
DESIG ABBR  Incorrect code

Number of detected records: 7

ISO3	ISO2	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Number of sites
HRV	HR	FoP		Forest Park	Forest Park	26
HRV	HR	NaP		Nature Park	Nature Park	6
HRV	HR	NM		Natural Monument	Natural Monument	48
HRV	HR	NP		National Park	National Park	7
HRV	HR	PL		Protected Landscape	Protected Landscape	32
HRV	HR	SNR		Strict Nature Reserve	Strict Nature Reserve	2
HRV	HR	SpR		Special Reserve	Special Reserve	74
						<b>195</b>

#### ! 4.1.09 Designations where "DESIG\_ABBR" is duplicated

As a key field any entry to "DESIG\_ABBR" should be unique and not duplicated.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=26791](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=26791)

##### Legend - highlightings of result table fields

DESIG ABBR  Duplicated codes  
whole row value This designation belongs to other country. It have to be checked which country caused duplication error!

Number of detected records: 4

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Number of sites
CZE	NM		Natural Monument	Natural Monument	0
HRV	NM		Natural Monument	Natural Monument	48
CZE	NP		National Park	National Park	0
HRV	NP		National Park	National Park	7
					<b>55</b>

#### ! 4.1.11 Designations where "Category" is empty (numeric part of "DESIG\_ABBR" is different then "00" and "99")

If designation category is not filled, there is impossible to count sites with that category into production of indicator showing designated area per country per designation category that is very relevant in evaluation of share between direct and indirect protection of nature in Europe.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=19740](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=19740)

##### Legend - highlightings of result table fields

Category  Missing value (error)

Number of detected records: 7

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Number of sites
HRV	FoP		Forest Park	Forest Park	26
HRV	NaP		Nature Park	Nature Park	6
HRV	NM		Natural Monument	Natural Monument	48
HRV	NP		National Park	National Park	7
HRV	PL		Protected Landscape	Protected Landscape	32
HRV	SNR		Strict Nature Reserve	Strict Nature Reserve	2
HRV	SpR		Special Reserve	Special Reserve	74
					<b>195</b>

#### ! 4.1.12 Designations where "Category" is not present in official list ("DESIG\_CATEGORIES" table)

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

#### ? 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](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: 2

ISO3	DESIG ABBR	Category	DESIGNATE	CDDA sites	Total Area reference	Remark	Number of sites
HRV	HR00		No Protection Status	False			0

ISO3	DESIG ABBR	Category	DESIGNATE	CDDA sites	Total Area reference	Remark	Number of sites
HRV	HR99		Others	False			0
							0

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

Number of detected records: 0

**! 4.1.19 Designations where "Agency" is empty**

"Agency" field should contain highest authority that is responsible of particular designation and also very important is that there are added contacts of that authority, preferably also web link if it is there.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=24147](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=24147)

**Legend - highlightings of result table fields**

Agency  Missing value (error)

Number of detected records: 7

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Agency	Number of sites
HRV	FoP		Forest Park	Forest Park		26
HRV	NaP		Nature Park	Nature Park		6
HRV	NM		Natural Monument	Natural Monument		48
HRV	NP		National Park	National Park		7
HRV	PL		Protected Landscape	Protected Landscape		32
HRV	SNR		Strict Nature Reserve	Strict Nature Reserve		2
HRV	SpR		Special Reserve	Special Reserve		74
						195

**? 4.1.23 Designations where "Number\_reference", "Total\_Area\_reference", "Date\_Source" or "Reference\_date" is not empty**

Number of detected records: 0

## 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](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	No new sites	4.2.01
	No sites marked to be deleted	4.2.03
SITE_CODE_NAT	<b>195 sites have missing national site code!</b>	4.2.06
ISO3	Filled correctly	4.2.08
DESIG_ABBR	All sites have designation code	4.2.10
AREANAME	All sites have area name	4.2.13
	2 area names are duplicated (4 sites have these names totaly).	4.2.14
SIZE	<b>3 sites have missing size!</b>	4.2.16
IUCNCAT	All sites have IUCN category	4.2.19
NUTS	<b>195 sites have missing NUTS code!</b>	4.2.21
YEAR	All sites have year	4.2.23
ALTITUDEs	<b>187 sites have missing at least one of altitudes!</b>	4.2.25
	<b>1 site (2520) has minimal altitude (-46m) out of reference elevation range of the country (0.00m-1830.00m)!</b>	4.2.27
LAT, LON	<b>17 sites have missing coordinates!</b>	4.2.29
	<b>2 sites have coordinates outside of reference bounding box/boxes of the country!</b>	4.2.30
	11 pairs of coordinates are duplicated (25 sites have these coordinates totaly).	4.2.31
To_be_deleted	No sites marked to be deleted	4.2.33
EIONET fields	No values were changed in old sites	4.2.34
NOTES	No site has "NOTES" filled.	4.2.32

**i 4.2.01 New sites**Number of new records in the sites table: **0****! 4.2.04 Sites where "SITE\_CODE" is duplicated**Number of detected records: **0****! 4.2.06 Number of sites by designation where "SITE\_CODE\_NAT" is empty**

It is very important that either SITE\_CODE field or SITE\_CODE\_NAT field is NOT empty, because they both are relational key fields and it is not possible to perform any analysis with designated sites lists when at least one of those codes are not there.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=29062](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=29062)**Legend - highlightings of result table fields**Valid sites number  Number of sites where detected error should be correctedNumber of detected designations: **7**

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
FoP	Forest Park	26	100	7919.1	0	0	0
NaP	Nature Park	6	100	266932	0	0	0
NM	Natural Monument	48	100	640	0	0	0
NP	National Park	7	100	70163	0	0	0
PL	Protected Landscape	32	100	40543	0	0	0
SNR	Strict Nature Reserve	2	100	2395	0	0	0
SpR	Special Reserve	74	100	32504	0	0	0
		<b>195</b>	<b>100</b>	<b>421096.1</b>	<b>0</b>	<b>0</b>	<b>0</b>

**! 4.2.07 Sites where "SITE\_CODE\_NAT" is duplicated**Number of detected records: **0****! 4.2.08 Sites where "ISO3" is empty or incorrect**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****? 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](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28137)

Number of detected records: 4

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME
15602		HRV	NaP	Kopacki Rit
15605		HRV	SpR	Kopacki Rit
81196		HRV	NM	Visibaba
146765		HRV	SpR	Visibaba

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

Missing entries at SIZE field are affecting indicator production, because on a basis of size field designated area is counted per country. If site is very small or point object SIZE entry can be 0.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=20262](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20262)

**Legend - highlightings of result table fields**

Valid sites number   Number of sites where detected error should be corrected

Number of detected designations: 2

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PL	Protected Landscape	1	3.12	0	0	0	0
SpR	Special Reserve	2	2.7	0	0	0	0
		3	1.54	0	0	0	0

**! 4.2.17 Sites where "SIZE" is greter than size of ISO3 country**

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**

This data is needed for statistical purposes as CDDA also feeds EUROSTAT. If possible please enter at least ISO2 country code to NUTS field, but better if you can pick relevant code from following url:

[http://ec.europa.eu/eurostat/ramon/nuts/home\\_regions\\_en.html](http://ec.europa.eu/eurostat/ramon/nuts/home_regions_en.html)

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=28760](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28760)

Number of detected designations: 7

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
FoP	Forest Park	26	100	7919.1	0	0	0
NaP	Nature Park	6	100	266932	0	0	0
NM	Natural Monument	48	100	640	0	0	0
NP	National Park	7	100	70163	0	0	0
PL	Protected Landscape	32	100	40543	0	0	0
SNR	Strict Nature Reserve	2	100	2395	0	0	0
SpR	Special Reserve	74	100	32504	0	0	0
		<b>195</b>	<b>100</b>	<b>421096.1</b>	<b>0</b>	<b>0</b>	<b>0</b>

**! 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 2007**

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=18809](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=18809)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=23453](http://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
FoP	Forest Park	26	100	7919.1	0	0	0
NaP	Nature Park	5	83.33	247382	0	0	0
NM	Natural Monument	48	100	640	0	0	0
PL	Protected Landscape	32	100	40543	0	0	0
SNR	Strict Nature Reserve	2	100	2395	0	0	0
SpR	Special Reserve	74	100	32504	0	0	0
		<b>187</b>	<b>95.9</b>	<b>331383.1</b>	<b>0</b>	<b>0</b>	<b>0</b>

**! 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

Site altitudes should not be outside of elevation range of the country. However if altitude is less than minimal country elevation it can refer to fact that site is whole or partially under water. Very small oversize in maximal elevation can be caused by differences in used elevation source and can be acceptable.






Reference country minimal and maximal altitude can be seen in SUM row. Reference source for the country elevation range is The CIA's World Factbook, available at following URL:  
<https://www.cia.gov/library/publications/the-world-factbook/index.html>

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=23453](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=23453)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=18809](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=18809)

##### Legend - highlightings of result table fields

ALTITUDE MIN		Value is lower than minimal country elevation. Check whether it is an error or the site is completely or partially located under water (below sea or lake level)!
		Value is higher than maximal country elevation. Error!
ALTITUDE MAX		Value is lower than minimal country elevation. Check whether it is an error or the site is completely or partially located under water (below sea or lake level)!
		Value is greater than maximal country elevation, but no more than 10 m. Check whether it is an error or because used altitude source was slightly different!
		Value is more than 10 m higher than maximal country elevation. Error!

Number of detected records: **1 (0.51 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	ALTITUDE	
						MIN	MAX
2520		HRV	NP	Mljet	3100	-46	389
					<b>3100</b>	<b>ref. 0.00</b>	<b>ref. 1830.00</b>

#### ! 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=28825](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](http://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: **3**

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
FoP	Forest Park	4	15.38	299.1	0	0	0
PL	Protected Landscape	5	15.62	23036	0	0	0
SpR	Special Reserve	8	10.81	1071	0	0	0
		<b>17</b>	<b>8.72</b>	<b>24406.1</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### ! 4.2.30 Sites where coordinates are outside of reference bounding box/boxes of the country

That test is checking if coordinates delivered are really falling to rectangular box/boxes drawn around national geographical area of country they come from. If not result is there to be checked and if needed to be corrected at national level. This test is not utterly accurate. Some coordinates can be outside country area but still inside the box.

GIS source for country bounding boxes coordinates is Vmap0 World Dataset, available at the following URL:

[http://www.mapability.com/index1.html?http&&www.mapability.com/info/vmap0\\_index.html](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=28825)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=20550](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: **2 (1.03 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	LAT	LON
81171		HRV	PL	Erdut	160	47.53333	19
81208		HRV	NM	Gromacka spilja	0	42.33333	18
					<b>160</b>		

#### 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=28825)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=20550](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20550)

Number of detected records: **25**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	LAT	LON
81141		HRV	FoP	Osmolis - suma	12	42.75	18
81150		HRV	FoP	Trsteno-Brsecine	40	42.75	18
2520		HRV	NP	Mljet	3100	42.78333	17.36667
81134		HRV	SpR	Velika dolina	15	42.78333	17.36667
15675		HRV	PL	Modro oko i jezero Desne	370	42.95	17.56667
81115		HRV	SpR	Delta Neretve	250	42.95	17.56667
81101		HRV	SpR	Jadro	8	43.5	16.5
81149		HRV	FoP	Marijan	350	43.5	16.5
81201		HRV	NM	Ledenica - spilja	0	44.53333	15.36667
81203		HRV	NM	Pcelinja pecina	0	44.53333	15.36667
10940		HRV	NP	Briuni	4660	44.91667	13.75
15631		HRV	FoP	Sijana	153	44.91667	13.75
81200		HRV	NM	Gotovz - ponor	0	45.33333	14.46667
81207		HRV	NM	Zametska pecina	0	45.33333	14.46667
63666		HRV	NaP	Lonjsko polje	50650	45.5	17
81102		HRV	SpR	Krapje dol	25	45.5	17
15602		HRV	NaP	Kopacki Rit	17200	45.6	18.9
15605		HRV	SpR	Kopacki Rit	7000	45.6	18.9

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	LAT	LON
81121		HRV	SpR	Gracec-Lukovica-Rebar	23	45.88333	15.95
81125		HRV	SpR	Tusti vrh-Kremenjak	20	45.88333	15.95
15614		HRV	NaP	Medvednica	22826	45.88333	15.96667
81120		HRV	SpR	Bliznec-Sumarev grob	176	45.88333	15.96667
81122		HRV	SpR	Mikulic potok - Vrabecka gora	91	45.88333	15.96667
81124		HRV	SpR	Rauchova lugarnica - Desna Trnava	101	45.88333	15.96667
81126		HRV	SpR	Babji zub-Ponikve	149	45.88333	15.96667
					<b>107219</b>		

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

Number of detected designations: **0**

### **4.3 Sitehabitats table**

Table contains no records!