

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



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

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**Report on technical validation analysis of National Database**

**Norway**

**version. 3 - September 2008**

# 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

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*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.*

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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.

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*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.*

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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 significantly different from respective GIS boundary area or where it is greater than ISO3 country reference size.
- 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 2008
- ! 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 geographic area 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 in	
	old dataset	new dataset
designations	20	20
sites	2455	2526
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	20	20	100.00	100.00
DESIG_ABBR	20	20	100.00	100.00
Category	17	17	85.00	85.00
ODESIGNATE	20	20	100.00	100.00
DESIGNATE	20	20	100.00	100.00
Title_French	10	9	50.00	45.00
CDDA_sites	10	9	50.00	45.00
Law	17	16	85.00	80.00
Lawreference	17	16	85.00	80.00
Agency	18	16	90.00	80.00
Number	17	17	85.00	85.00

Field	records filled in old	records filled in new	completeness (%) in old	completeness (%) in new
Total_Area	17	17	85.00	85.00
Data_Source	16	16	80.00	80.00
Reference_date	16	16	80.00	80.00
Remark	10	10	50.00	50.00
Remark_Source	11	11	55.00	55.00

### **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	2455	2526	100.00	100.00
SITE_CODE_NAT	2454	2525	99.96	99.96
ISO3	2455	2526	100.00	100.00
DESIG_ABBR	2455	2526	100.00	100.00
AREANAME	2455	2526	100.00	100.00
SIZE	2409	2480	98.13	98.18
IUCNCAT	2118	2197	86.27	86.98
NUTS	2455	2526	100.00	100.00
YEAR	2409	2480	98.13	98.18
ALTITUDE_MIN	27	27	1.10	1.07
ALTITUDE_MAX	25	25	1.02	0.99
LAT	1776	1766	72.34	69.91
LON	1776	1766	72.34	69.91
EIONET_CHNG_DATE	102	192	4.15	7.60
EIONET_CHNG_TYPE	102	192	4.15	7.60
EIONET_EDITED_BY	102	192	4.15	7.60
EIONET_INSTITUTE	102	192	4.15	7.60
NOTES	45	53	1.83	2.10

### **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](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>6 designations don't follow official naming convention!</b>	4.1.08
Category	All designations have "Category" code	4.1.11
ODESIGNATE	Filled correctly	4.1.15
DESIGNATE	All designations have English name	4.1.15
Title_French	11 designations have missing French name	
CDDA_sites	<b>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!</b>	4.1.17
Law	<b>1 designation (NO22) has missing "Law"!</b>	4.1.18
Lawreference	<b>1 designation (NO22) has missing "Lawreference"!</b>	4.1.18
Agency	<b>1 designation (NO22) has missing "Agency"!</b>	4.1.19
Number, Total_Area	Filled correctly	4.1.20
Number_reference	16 designations have "Number_reference" filled.	4.1.23
Total_Area_reference	16 designations have "Total_Area_reference" filled.	4.1.23
Data_Source	16 designations have "Data_Source" filled.	4.1.23
Reference_date	16 designations have "Reference_date" filled.	4.1.23
Remark	10 designations have "Remark" filled. Check also other field comments whether some explanations are not missing here.	4.1.24
Remark_Source	11 designations have "Remark_Source" filled. 1 of them doesn't have "Remark" filled (in such cases the "Remark_Source" doesn't need to be filled). Check whether it is not an error!	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: **20**

ISO3	DESIG ABBR	Number of sites in			Total area (ha) in		
		old dataset	new dataset	GIS	old dataset	new dataset	GIS
NOR	NO00	0	0	0	0	0	
NOR	NO01	25	29	0	2220287.9	2679294	
NOR	NO02	164	180	0	1508354.4	1610760.3	
NOR	NO03	1747	1785	0	535468.2	570714.7	
NOR	NO11	272	272	0	193.8	193.6	
NOR	NO13	8	7	0	15738.1	15738.1	
NOR	NO15	40	38	0	98438.4	98386.8	
NOR	NO16	5	1	0	395	261.8	
NOR	NO17	85	89	0	33065.2	33072.5	
NOR	NO19	10	21	0	698.2	711.7	
NOR	NO21	4	8	0	4272.2	4295.2	
NOR	NO22	52	52	0	1001.1	1001.1	
NOR	NO23	12	13	0	30128.5	30804.7	
NOR	NO99	2	2	0	59.5	59.5	
NOR	SJ00	0	0	0	0	0	
NOR	SJ01	7	7	0	3452000	3452000	
NOR	SJ03	21	21	0	8158057.9	8158057.9	



ISO3	DESIG ABBR	Number of sites in			Total area (ha) in		
		old dataset	new dataset	GIS	old dataset	new dataset	GIS
NOR	SJ04	1	1	0	1700	1700	
NOR	SJ19	0	0	0	0	0	
NOR	SJ99	0	0	0	0	0	
		2455	2526	0	16059858.4	16657051.9	

#### ? 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: 4

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	CDDA sites	Remark
NOR	NO00		Ingen vernestatus	No Protection Status	False	
NOR	SJ00		Ingen vernestatus (Svalbard)	No Protection Status	False	
NOR	SJ19	A	Biotopvernområde (Svalbard)	Protected Biotope (Svalbard)	True	
NOR	SJ99		Andre (Svalbard)	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: 6

ISO3	ISO2	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Number of sites
NOR	NO	SJ00		Ingen vernestatus (Svalbard)	No Protection Status	0

ISO3	ISO2	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Number of sites
NOR	NO	SJ01	A	Nasjonspark (Svalbard)	National Park (Svalbard)	7
NOR	NO	SJ03	A	Naturresevater (Svalbard)	Nature Reserve (Svalbard)	21
NOR	NO	SJ04	A	Geotopvernområde (Svalbard)	Proteced Geotope (Svalbard)	1
NOR	NO	SJ19	A	Biotopvernområde (Svalbard)	Proteced Biotope (Svalbard)	0
NOR	NO	SJ99		Andre (Svalbard)	Others	0
						<b>29</b>

#### ! 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.



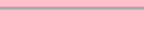
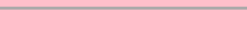


Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=18922](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
NOR	NO00		No Protection Status	False			0
NOR	SJ00		No Protection Status	False			0
NOR	SJ99		Others	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=20660)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=18584](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
NOR	NO22	B	Areas or Trees Protected by the local Government			52
						52

#### ! 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)
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Number of detected records: 1

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Agency	Number of sites
NOR	NO22	B	Administrativt fredete områder eller trær	Areas or Trees Protected by the local Government		52
						52

#### ! 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

These fields should be filled only when any official national data different of CDDA update is published in between two CDDA update deliveries.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=28595](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28595)





[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=29521](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=29521)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=19566](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=19566)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=21868](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=21868)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=21868](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=21868)

#### Legend - highlightings of result table fields

Data Source		Missing value, error!
		Value is not required (both Number reference and Total Area reference are empty). Check whether it is not an error!
Reference date		Missing value, error!
		Value is not required (Number reference, Total Area and Data Source are empty). Check whether it is not an error!

Number of detected records: 16

ISO3	DESIG ABBR	Number reference	Total Area reference	Data Source	Reference date	Number of sites
NOR	NO01	24	2165476	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	29
NOR	NO02	153	1486695	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	181
NOR	NO03	1701	489742	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	1787
NOR	NO11	275	208	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	274
NOR	NO13	7	15725	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	8
NOR	NO15	40	98440	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	40
NOR	NO16	5	395	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	5
NOR	NO17	85	33105	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	89

ISO3	DESIG ABBR	Number reference	Total Area reference	Data Source	Reference date	Number of sites
NOR	NO19	11	712	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	21
NOR	NO21	4	4272	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	8
NOR	NO23	12	30129	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	13
NOR	NO99	2	596.64	Naturbase 31.12.2005; Directorate for Nature Management, Norway	31.12.2005	2
NOR	SJ01	6	3339300	Directorate for Nature Management, Norway - 31.12.2004	31.12.2005	7
NOR	SJ03	21	5625700	Directorate for Nature Management, Norway - 31.12.2004	31.12.2005	21
NOR	SJ04	1	1700	Directorate for Nature Management, Norway - 31.12.2004	31.12.2005	1
NOR	SJ19	0	0	Directorate for Nature Management, Norway - 31.12.2004	31.12.2005	0
						<b>2486</b>

#### 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=20963)

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=23302](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: **11**

ISO3	DESIG ABBR	Category	DESIGNATE	Remark	Remark Source	Number of sites
NOR	NO02	A	Protected Landscape	For around 50 of these sites there is an additional protection. Either whole or part of the area also has a legal protection from NO13, NO15 or NO 16. These are given IUCNCAT "IV" instead of "V"	DN - ARE	181
NOR	NO13	A	Botanical Protection of Species	Includes many areas protected by former Nature Conservation Acts (before 1970)	DN - ARE	8
NOR	NO15	A	Zoological Protection of Species	Includes many areas protected by former Nature Conservation Acts (before 1970)	DN - ARE	40
NOR	NO16	A	Botanical/Zoological Protection of Species	Includes many areas protected by former Nature Conservation Acts (before 1970)	DN - ARE	5
NOR	NO22	B	Areas or Trees Protected by the local Government	Update is not available	DN - ARE	52

CDDA - Report on analysis of National Database - Norway

ISO3	DESIG ABBR	Category	DESIGNATE	Remark	Remark Source	Number of sites
NOR	NO23	A	Wildlife Conservation Area	The field "CDDA sites" is changed form "no" (0) to "yes" (-1)	DN - ARE	13
NOR	NO99	A	Temporary Proteceted Area	The field "CDDA sites" is changed form "no" (0) to "yes" (-1)	DN - ARE	2
NOR	SJ01	A	National Park (Svalbard)	The area reported for 2003 (1995365 ha) was only land cover (including freshwater and glaciers). New data include also marine area. Data are recalculated in 2005 by the "Norwegian Polar Institute"	DN - ARE	7
NOR	SJ03	A	Nature Reserve (Svalbard)	The area reported for 2003 (5319909,9 ha) was only land cover (including freshwater and glaciers). New data include also marine area. Data are recalculated in 2005 by the "Norwegian Polar Institute"	DN - ARE	21
NOR	SJ04	A	Proteceted Geotope (Svalbard)	The area reported for 2003 (1400 ha) was only land cover (including freshwater and glaciers). New data include also marine area. Data are recalculated in 2005 by the "Norwegian Polar Institute". The field "CDDA sites" is also changed form "no" (0) to "yes" (-1)	DN - ARE	1
NOR	SJ19	A	Proteceted Biotope (Svalbard)		DN - ARE	0
						<b>330</b>

## 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	<b>83 new sites.</b>	4.2.01
	12 sites marked to be deleted. Check detailed test result whether the deletion is explained properly in "NOTES" field or it is just an error!	4.2.03
SITE_CODE_NAT	1 site (155957) has national site code changed (from VV00001221 to VV00002482)	4.2.05
	<b>1 site (146733) has missing national site code!</b>	4.2.06
	<b>1 national site code (VS00000035) is duplicated (2 sites have this code totaly)!</b>	4.2.07
ISO3	Filled correctly	4.2.08
DESIG_ABBR	All sites have designation code	4.2.10
AREANAME	3 sites have area name changed	4.2.12
	All sites have area name	4.2.13
	87 area names are duplicated (188 sites have these names totaly).	4.2.14
SIZE	6 sites have size changed	4.2.15
	<b>46 sites have missing size!</b>	4.2.16
IUCNCAT	<b>329 sites have missing IUCN category!</b>	4.2.19
NUTS	All sites have NUTS codes	4.2.21
YEAR	6 sites have year changed. Check detailed test result whether the change is explained properly in "NOTES" field or it is just an error!	4.2.22
	<b>46 sites have missing year!</b>	4.2.23
ALTITUDEs	<b>2501 sites have missing at least one of altitudes!</b>	4.2.25
	<b>2 sites have minimal altitude greater than maximal!</b>	4.2.26
LAT, LON	<b>760 sites have missing coordinates!</b>	4.2.29
	<b>125 sites have coordinates outside of reference geographic area of the country!</b>	4.2.30
	31 pairs of coordinates are duplicated (64 sites have these coordinates totaly).	4.2.31
To_be_deleted	12 sites marked to be deleted. Check whether the reason is explained properly in "NOTES" field!	4.2.33
EIONET fields	8 sites have at least one value in record changed.	4.2.34
NOTES	65 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](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=22418)Number of new records in the sites table: **83 (3.27 %)****Tabular result is too long to display (> 50 records). Here is short summary:**

Number of new designated sites (year of designation >= year of previous version):	<b>0</b>
Number of old added sites (year of designation < year of previous version):	<b>83</b>
Number of other sites (designation year is either empty or suspicious low or high):	<b>0</b>
New sites marked to be deleted:	<b>0</b>
New sites where SITE_CODE have to be added:	<b>0</b>

**! 4.2.02 Sites deleted without marking them to be deleted**Number of detected records: **0****? 4.2.03 Sites marked to be deleted**

All records that are not actual any more and that should be removed or archived from actual dataset should not be deleted during update, but marked "Yes" at the field "To be deleted". This test is counting them. But moreover, any reason why those records should be deleted should be given to "NOTES" field.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=27227](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=27227)**Legend - highlightings of result table fields**NOTES  Explanation is missing, error!Present in old  Site was not present in previous version of dataset! Check if it is not an error!Number of detected records: **12 (0.47 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	NOTES	Present in old
155485	VV00001222	NOR	NO11	Limovnen	1.3	The site is included in an enlargement of the site Kommersøya (IID VV00002482)	YES
155531	VV00002157	NOR	NO13	Hovedøya	0	The site is substituted by a series of other designates (VV00002405, VV00002408, VV00002406 and VV00002407)	YES
155541	VV00000755	NOR	NO16	Froungen	42.3	The area is now included in Ormø Færder LVO NR (SITE_CODE_NAT VV00002452)	YES
155544	VV00001239	NOR	NO16	Nordre Årøy	35.2	The area is now included in Ormø Færder LVO NR (SITE_CODE_NAT VV00002452)	YES
155545	VV00000831	NOR	NO16	Vassholmen	5.1	The area is now included in Ormø Færder LVO NR (SITE_CODE_NAT VV00002452)	YES
155546	VV00001230	NOR	NO16	Vasskalven	50.6	The area is now included in Ormø Færder LVO NR (SITE_CODE_NAT VV00002452)	YES
155852	VV00002076	NOR	NO11	Øvrebø	0	The site was repealed 4.10.2006	YES



SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	NOTES	Present in old
155988	VV00000715	NOR	NO02	Øvre Rød	35.9	The site is now incorporated into another site - Rød Dirhue VV00000395. But boundary data will not be corrected until 2008	YES
156697	VV00000475	NOR	NO15	Kjøleholmen	22.5	The area is now included in Ormø Færder LVO NR (SITE_CODE_NAT VV00002452)	YES
156707	VV00000830	NOR	NO15	Roppestadholmen og tilliggende småholmer	29.1	The area is now included in Ormø Færder LVO NR (SITE_CODE_NAT VV00002452)	YES
182974	VV00001407	NOR	NO03	Hovdsjømyrene	435.9	The site was repelad in 2006 and incorporatetd into a larger site: Hemmeldalen - VV00002440	YES
337537	VV00002351	NOR	NO03	Sotådalen	332.9	The site is incorporated into another site: Sotnakkvatnet IID VV00000496	YES
					<b>990.8</b>		

#### ! 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=29062](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=29062)

Number of detected records: 1 (0.04 %)

SITE CODE	SITE CODE NAT		ISO3	DESIG ABBR	AREANAME	SIZE
	old	new				
155957	VV00001221	VV00002482	NOR	NO03	Kommersøya	43.3
						<b>43.3</b>

#### ! 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 corrected

Number of detected designations: 1

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO03	Nature Reserve	1	0.06	5800	0	0	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](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
183024	VS00000035	NOR	SJ04	Festningen
337580	VS00000035	NOR	SJ01	Indre Widjefjorden

**! 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](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28137)

Number of detected records: 3 (0.12 %)

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME		SIZE
				old	new	
155667	VV00000415	NOR	NO03	Søm	Søm-Ruakerkilen	32.2
156040	VV00000395	NOR	NO03	Dirhue	Rød-Dirhue	77
182883	VV00000496	NOR	NO03	Barsteintjernet	Sotnakkvatnet	1267.7
						<b>1376.9</b>

**? 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: 191

**Tabular result is too long to display (> 50 records). Here is condensed list ("To be deleted" sites are excluded):**

list of duplicated AREANMEs [number of duplications]	
Årstad [2x], Aureosen [2x], Berg [2x], Berge [4x], Bergsåsen [2x], Bjørgan [2x], Blankvann [2x], Bliksvær [2x], Bogen [2x], Borgann og Frelsøy [2x], Borgværet [2x], Brokefjell [2x], Djupvikvatnet-Kringlevatnet [2x], Eggholmen [2x], Eidsvatnet [2x], Eikåsen [2x], Einarsneset [2x], Falkensten [2x], Festningen [2x], Fjøsanger [2x], Flakkan [2x], Flø [2x], Foreknuten [2x], Forøya [2x], Froan [3x], Gaulosen [2x], Giske [2x], Grimstadvatn [2x], Grøningane [2x], Grudevatn [2x], Grytdalen [2x], Herdla [2x], Horta [2x], Hovedøya [2x], Indrevær [2x], Jærstrendene [4x], Karlsøyvær [2x], Kjønsøyhopen [2x], Krogshavn [2x], Kvaløy og Rauøy [2x], Kviljo [2x], Lågendeltaet [2x], Landavatnet [2x], Langmyra [3x], Langøya [3x], Langtjønnna [2x], Lauvåsen [2x], Lien [2x], Lona [2x], Løvsøyrevet [2x], Lunde [2x], Malesanden og Huse [2x], Malmøya [2x], Måstadjellet [2x], Mellandsvågen [2x], Mølen [2x], Møysalen [2x], Nærøyane [2x], Nes [2x], Orrevatnet [2x], Osdalen [2x], Osen [3x], Øvre Pasvik [2x], Raudholmene [3x], Raudøya [2x], Risøya [3x], Runde [2x], Setesdal Vesthei Ryfylkeheiane [2x], Skrimfjella [2x], Stabbursdalen [2x], Steinodden [2x], Storberget [2x], Storevik [2x], Storhaugen [2x], Stormyra [6x], Stråholmen [2x], Stranda [2x], Straumen [2x], Surna [2x], Svartåmoen [2x], Synesvarden [2x], Terneholmen [2x], Tronkberget [2x], Ullasundet [2x], Været [2x], Vassbotndalen [2x], Vidmyr [2x]	

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

Number of detected records: 6 (0.24 %)

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE		NOTES
					old	new	
824	VV00000131	NOR	NO01	Øvre Dividal	74067.2	76986.2	The designation from 1971 was repeated in 2006 with a minor enlargement
12328	VV00001423	NOR	NO03	Grytdalen	2397.7	4061.7	The designation from 1992 was repeated in 2006 with a major enlargement
155667	VV00000415	NOR	NO03	Søm-Ruakerkilen	7	32.2	The designation from 1977 was repeated in 2006 with a major enlargement
155957	VV00002482	NOR	NO03	Kommersøya	4.7	43.3	The designation from 1988 was repeated in 2006 with a major enlargement. Be aware that SITE_CODE_NAT also has changed from VV00001221 to VV00002482.
156040	VV00000395	NOR	NO03	Rød-Dirhue	26.7	77	The designation from 1968 was repeated in 2006. Two adjacent sites were put together into one.

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE		NOTES
					old	new	
182883	VV00000496	NOR	NO03	Sotnakkvatnet	889.9	1267.7	The designation from 1999 was repeated in 2006 with a minor enlargement
					77393.2	82468.1	

#### ! 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: 1

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO22	Areas or Trees Protected by the local Government	46	88.46	0	0	0	0
		46	1.81	0	0	0	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 "IUCN CAT" was changed

Number of detected records: 0

#### ! 4.2.19 Number of sites by designation where "IUCN CAT" is empty

As CDDA is feeding also global database of designated areas kept by UNEP-WCMC and counted for IUCN World reports, it is important that IUCN category is there for all records. If site can never have IUCN category, please mark it as N/A and give relevant note at NOTES field.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=22805](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=22805)

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

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

Number of detected designations: 11

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO03	Nature Reserve	6	0.34	102.4	0	0	0
NO11	Natural Monument	174	63.5	9.1	1	0.36	0
NO13	Botanical Protection of Species	7	87.5	15738.1	1	12.5	0
NO15	Zoological Protection of Species	37	92.5	88244.4	2	5	51.6
NO16	Botanical/Zoological Protection of Species	1	20	261.8	4	80	133.2
NO17	Wildlife Conservation Area	44	49.44	6459.6	0	0	0

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO19	Botanical Conservation Area	5	23.81	120.8	0	0	0
NO21	Wildlife/Botanical Conservation Area	3	37.5	465	0	0	0
NO22	Areas or Trees Protected by the local Government	46	88.46	0	0	0	0
NO23	Wildlife Conservation Area	4	30.77	29933.9	0	0	0
NO99	Temporary Protected Area	2	100	59.5	0	0	0
		<b>329</b>	<b>12.96</b>	<b>141394.6</b>	<b>8</b>	<b>0.32</b>	<b>184.8</b>

#### ! 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

Change in establishment year of site could refer to correction of error or change in designation that means update of data, please mark it correctly also at the EIONET\_CHNG\_TYPE field (see 4.2.34) and if needed give remark to NOTES field.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=17090](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=17090)

#### Legend - highlightings of result table fields

NOTES  Explanation is missing, error!

Number of detected records: 6 (0.24 %)

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	YEAR		NOTES
						old	new	
824	VV0000131	NOR	NO01	Øvre Dividal	76986.2	1971	2006	The designation from 1971 was repeated in 2006 with a minor enlargement
12328	VV00001423	NOR	NO03	Grytdalen	4061.7	1992	2006	The designation from 1992 was repeated in 2006 with a major enlargement
155667	VV00000415	NOR	NO03	Søm-Ruakerkilen	32.2	1977	2006	The designation from 1977 was repeated in 2006 with a major enlargement
155957	VV00002482	NOR	NO03	Kommersøya	43.3	1988	2006	The designation from 1988 was repeated in 2006 with a major enlargement. Be aware that SITE_CODE_NAT also has changed from VV00001221 to VV00002482.
156040	VV00000395	NOR	NO03	Rød-Dirhue	77	1968	2006	The designation from 1968 was repeated in 2006. Two adjacent sites were put together into one.

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	YEAR		NOTES
						old	new	
182883	VV00000496	NOR	NO03	Sotnakkvatnet	1267.7	1999	2006	The designation from 1999 was repeated in 2006 with a minor enlargement
					82468.1			

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

It is important for indicator production (designated area in Europe and per country per year) that all site entries have entry for establishment year, if entry is missing it is an error, if for any reason it is not possible to give year of establishment, please give remark at NOTES field.

Data Dictionary reference/s:

[http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=17090](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=17090)

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

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

Number of detected designations: 1

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO22	Areas or Trees Protected by the local Government	46	88.46	0	0	0	0
		46	1.81	0	0	0	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=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: 16

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO01	National Park	18	62.07	1825221.1	0	0	0
NO02	Protected Landscape	180	99.45	1610760.3	1	0.55	35.9
NO03	Nature Reserve	1776	99.38	550606.2	2	0.11	768.8
NO11	Natural Monument	272	99.27	193.6	2	0.73	1.3
NO13	Botanical Protection of Species	7	87.5	15738.1	1	12.5	0
NO15	Zoological Protection of Species	38	95	98386.8	2	5	51.6
NO16	Botanical/Zoological Protection of Species	1	20	261.8	4	80	133.2
NO17	Wildlife Conservation Area	89	100	33072.5	0	0	0
NO19	Botanical Conservation Area	21	100	711.7	0	0	0
NO21	Wildlife/Botanical Conservation Area	8	100	4295.2	0	0	0
NO22	Areas or Trees Protected by the local Government	52	100	1001.1	0	0	0
NO23	Wildlife Conservation Area	13	100	30804.7	0	0	0

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO99	Temporary Protected Area	2	100	59.5	0	0	0
SJ01	National Park (Svalbard)	4	57.14	667300	0	0	0
SJ03	Nature Reserve (Svalbard)	19	90.48	415657.9	0	0	0
SJ04	Protected Geotope (Svalbard)	1	100	1700	0	0	0
		<b>2501</b>	<b>98.54</b>	<b>5255770.5</b>	<b>12</b>	<b>0.47</b>	<b>990.8</b>

#### ! 4.2.26 Sites where "ALTITUDE\_MIN" is higher than "ALTITUDE\_MAX"

Maximum altitude can not be higher of minimum, it refers to error.

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

ALTITUDE   Incorrect values (error)

Number of detected records: **2 (0.08 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	ALTITUDE	
						MIN	MAX
1336	VV00000506	NOR	NO03	Nordre Øyeren	6256.8	100	
3208	VV00001178	NOR	NO03	Åkersvika	423.7	120	
					<b>6680.5</b>		

#### ? 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=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: **14**

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO01	National Park	11	37.93	797129.5	0	0	0
NO02	Protected Landscape	97	53.59	1082329.5	0	0	0
NO03	Nature Reserve	471	26.36	216795.8	2	0.11	768.8
NO11	Natural Monument	108	39.42	62.7	0	0	0
NO13	Botanical Protection of Species	1	12.5	0	0	0	0
NO15	Zoological Protection of Species	8	20	879.6	0	0	0

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO17	Wildlife Conservation Area	21	23.6	16056.3	0	0	0
NO19	Botanical Conservation Area	14	66.67	452.1	0	0	0
NO21	Wildlife/Botanical Conservation Area	7	87.5	488	0	0	0
NO23	Wildlife Conservation Area	13	100	30804.7	0	0	0
NO99	Temporary Protected Area	2	100	59.5	0	0	0
SJ01	National Park (Svalbard)	4	57.14	667300	0	0	0
SJ03	Nature Reserve (Svalbard)	2	9.52	404700	0	0	0
SJ04	Protected Geotope (Svalbard)	1	100	1700	0	0	0
		<b>760</b>	<b>29.94</b>	<b>3218757.7</b>	<b>2</b>	<b>0.08</b>	<b>768.8</b>

### ! 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](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)

Number of detected records: **126 (4.96 %)**

**Tabular result is too long to display (> 50 records). Here is condensed list ("To be deleted" sites are excluded):**

list of sites
3202, 7534, 9891, 12329, 62114, 125839, 125846, 125848, 125850, 125853, 125864, 125873, 146733, 155171, 155187, 155195, 155730, 155999, 156047, 156058, 156064, 156066, 156071, 156073, 156074, 156081, 156084, 156086, 156089, 156092, 156093, 156095, 156101, 156103, 156108, 156109, 156115, 156117, 156120, 156123, 156127, 156128, 156130, 156135, 156140, 156144, 156147, 156149, 156150, 156160, 156161, 156164, 156166, 156168, 156180, 156183, 156186, 156187, 156190, 156200, 156201, 156213, 156214, 156224, 156225, 156226, 156227, 156231, 156232, 156233, 156234, 156235, 156246, 156250, 156256, 156270, 156272, 156276, 156277, 156279, 156281, 156283, 156284, 156291, 156297, 156298, 156299, 156306, 156308, 156309, 156310, 156311, 156312, 156319, 156321, 156322, 156323, 156325, 156329, 156344, 156348, 156357, 156359, 156360, 156363, 156364, 156367, 156368, 156369, 156373, 156374, 156376, 156378, 156381, 156436, 156452, 156646, 156680, 156685, 156688, 156689, 156695, 156718, 161916, 169009

### 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: **68**



Tabular result is too long to display (> 50 records). Here is condensed list ("To be deleted" sites are excluded):

list of duplicated coordinates [SITE_CODEs of sites with the same coordinates]	
LAT 58.06 LON 6.78972 [125871,125892], LAT 58.15 LON 8 [155857,155881], LAT 58.23 LON 6.66 [156255,156062], LAT 58.8 LON 5.62 [6177,155162], LAT 58.82 LON 5.72 [155856,155189], LAT 58.8297 LON 9.33972 [155816,155299], LAT 58.9297 LON 5.62 [155597,156462], LAT 58.96 LON 5.73972 [155910,155510], LAT 58.96 LON 8.88972 [156674,155238], LAT 59.1597 LON 9.46 [155905,155268], LAT 59.2697 LON 9.26972 [155505,155525,155466], LAT 59.28 LON 9.25972 [156044,155514], LAT 59.28 LON 9.28 [155506,155446], LAT 59.33 LON 5.96 [156354,155160], LAT 59.51 LON 10.3197 [155957,155948], LAT 59.5197 LON 10.19 [155559,155607], LAT 59.5197 LON 10.33 [155478,155955], LAT 59.75 LON 10.5 [155504,155494], LAT 59.7897 LON 10.4897 [155442,155523], LAT 59.7897 LON 10.5 [155441,155448], LAT 59.82 LON 10.51 [155440,156202,155973], LAT 59.8397 LON 10.4897 [156146,155460], LAT 59.85 LON 10.4897 [155493,155498], LAT 59.86 LON 10.43 [155682,155795], LAT 59.87 LON 10.53 [156365,156366], LAT 59.8897 LON 10.71 [155786,156159], LAT 59.96 LON 11.09 [155615,155610], LAT 61.56 LON 8.97 [155397,155995], LAT 62.43 LON 6.25972 [156417,156687], LAT 62.97 LON 8.67 [156714,156623], LAT 63.3397 LON 10.2197 [156004,155698]	

#### **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](http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=25701)

Number of detected designations: **10**

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
NO01	National Park	1	3.45	76986.2	0	0	0
NO02	Protected Landscape	6	3.31	66887.7	1	0.55	35.9
NO03	Nature Reserve	39	2.18	30650	2	0.11	768.8
NO11	Natural Monument	1	0.36	0	2	0.73	1.3
NO13	Botanical Protection of Species	0	0	0	1	12.5	0
NO15	Zoological Protection of Species	0	0	0	2	5	51.6
NO16	Botanical/Zoological Protection of Species	0	0	0	4	80	133.2
NO17	Wildlife Conservation Area	1	1.12	226	0	0	0
NO19	Botanical Conservation Area	3	14.29	247	0	0	0
SJ01	National Park (Svalbard)	2	28.57	408100	0	0	0
		<b>53</b>	<b>2.09</b>	<b>583096.9</b>	<b>12</b>	<b>0.47</b>	<b>990.8</b>

#### **!** 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=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=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=24470)
- [http://dd.eionet.europa.eu/data\\_element.jsp?mode=view&delem\\_id=26591](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: **20 (0.79 %)**

SITE CODE	changed	EIONET				
		CHNG DATE		CHNG TYPE	EDITED BY	INSTITUTE
		old	new			
824	size, year, notes,		2007-5-21	U	Tore Opdahl	DN
3202	altitude_min, notes,		2007-5-16	C	Tore Opdahl	DN
12328	size, year, notes,		2007-5-21	U	Tore Opdahl	DN
146733	notes,		2007-5-15	U	Tore Opdahl	DN
155485	notes, to_be_deleted		2007-5-21		Tore Opdahl	DN
155531	notes, to_be_deleted		2007-5-21		Tore Opdahl	DN
155541	notes, to_be_deleted		2007-5-20		Tore Opdahl	DN
155544	notes, to_be_deleted		2007-5-20		Tore Opdahl	DN
155545	notes, to_be_deleted		2007-5-20		Tore Opdahl	DN
155546	notes, to_be_deleted		2007-5-20		Tore Opdahl	DN
155667	areaname, size, year, notes,		2007-5-21	U	Tore Opdahl	DN
155852	notes, to_be_deleted		2007-5-21		Tore Opdahl	DN
155957	site_code_nat, size, year, notes,		2007-5-21	U	Tore Opdahl	DN
155988	notes, to_be_deleted		2007-5-21		Tore Opdahl	DN
156040	areaname, size, year, notes,		2007-5-21	U	Tore Opdahl	DN
156697	notes, to_be_deleted		2007-5-20		Tore Opdahl	DN
156707	notes, to_be_deleted		2007-5-20		Tore Opdahl	DN
182883	areaname, size, year, notes,		2007-5-21	U	Tore Opdahl	DN
182974	notes, to_be_deleted		2007-5-21		Tore Opdahl	DN
337537	notes, to_be_deleted	2006-7-6	2007-5-21		Tore Opdahl	DN

### **4.3 Sitehabitats table**

Table contains no records!