

**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

Portugal

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.

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

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

Tip:

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

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

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

Tip:

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

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

1. Tabular result contains most information. Some fields in the table may be highlighted. What the highlighting means is explained in the legend above the table.

2. Condensed list is shown for results where the amount of detected records is so large that the detailed tabular presentation would not be practical. Some of the condensed lists are accompanied with short summary of main facts and findings.

3. A summary alone is provided in the few cases where the amount of records detected by a test is so huge that not even the condensed list would be useful (i.e. more than 3,000 cases).

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i 3 Main statistics

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

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

Legend - highlightings of result table fields

Number of records in new dataset

 Decrease

 Increase

 value No record

Number of data tables: **3**

Table	Number of records
designations	41
sites	68
sitehabitats	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 new	completeness (%) in new
ISO3	41	100.00
DESIG_ABBR	41	100.00
Category	37	90.24
ODESIGNATE	41	100.00
DESIGNATE	34	82.93
Title_French	30	73.17
CDDA_sites	30	73.17
Law	6	14.63
Lawreference	6	14.63
Agency	0	0.00
Number	10	24.39
Total_Area	9	21.95

Field	records filled in new	completeness (%) in new
Data_Source	7	17.07
Reference_date	7	17.07
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	68	100.00
SITE_CODE_NAT	38	55.88
ISO3	68	100.00
DESIG_ABBR	68	100.00
AREANAME	68	100.00
SIZE	64	94.12
IUCNCAT	63	92.65
NUTS	0	0.00
YEAR	63	92.65
ALTITUDE_MIN	7	10.29
ALTITUDE_MAX	5	7.35
LAT	57	83.82
LON	57	83.82
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

Summary of the test results

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

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

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

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

Field	Comment	Detailed test
ISO3	Filled correctly	4.1.06
DESIG_ABBR	No new designations	4.1.01
	No designations marked to be deleted.	4.1.03
	All designations have designation code	4.1.07
Category	2 designations have missing "Category" code!	4.1.11
ODESIGNATE	Filled correctly	4.1.15
DESIGNATE	7 designations have missing English name!	4.1.15
Title_French	11 designations have missing French name	
CDDA_sites	31 designations are marked not creating sites ("Total_Area_reference" is missing for all of them). Explanantion in "Remark" is missing for all of them! Check whether it is not an error!	4.1.17
Law	30 designations have missing "Law"!	4.1.18
Lawreference	30 designations have missing "Lawreference"!	4.1.18
Agency	39 designations have missing "Agency"!	4.1.19
Number, Total_Area	Filled correctly	4.1.20
Number_reference	7 designations have "Number_reference" filled.	4.1.23
Total_Area_reference	Field is empty for all records	4.1.23
Data_Source	7 designations have "Data_Source" filled.	4.1.23
Reference_date	7 designations have "Reference_date" filled.	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 designationsNumber 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

Increase

Total area in new dataset Decrease

Increase

Number of detected records: **41**

ISO3	DESIG ABBR	Category	DESIGNATE	Number of sites in		Total area (ha) in	
				old dataset	new dataset	old dataset	new dataset
PRT	PT00		No Protection Status	0	0	0	0
PRT	PT01	A	Integral Reserve	0	0	0	0
PRT	PT02	A	Ornitological Refuge	0	0	0	0
PRT	PT03	A	Botanical Reserve	1	1	338	338
PRT	PT04	A	Zoological Reserve	0	0	0	0
PRT	PT05	A	Ornitological Restoration Area	0	0	0	0
PRT	PT06	A	National Park	1	1	21100	21100
PRT	PT07	A	Nature Reserve	27	27	128310	128310
PRT	PT08	A	Nature Park	12	12	572315	572315
PRT	PT09	A	Natural Monument	6	6	79	79
PRT	PT10	A	Classified Sites	10	10	2578	2578
PRT	PT11	A	Protected Landscape	7	7	4841	4841
PRT	PT21	B	National Ecological Reserve	0	0	0	0
PRT	PT22	B	Public Hydrological territory	0	0	0	0
PRT	PT23	B	National Agricultural Reserve	0	0	0	0
PRT	PT24	B	National Forest	0	0	0	0
PRT	PT25	B	Integral Natural Woodland Reserve	2	2	265	265
PRT	PT26	B	Partial Natural Woodland Reserve	0	0	0	0
PRT	PT27	B	Recreation Woodland Reserve	0	0	0	0
PRT	PT28	B	Hunting prohibited area	0	0	0	0
PRT	PT29	B	Hunting Reserve	1	1	0	0
PRT	PT30	B	National Hunting Zone	0	0	0	0
PRT	PT31	B	Fishing prohibited area	0	0	0	0

ISO3	DESIG ABBR	Category	DESIGNATE	Number of sites in		Total area (ha) in	
				old dataset	new dataset	old dataset	new dataset
PRT	PT32	B	Reserved fishing area	0	0	0	0
PRT	PT33	B		0	0	0	0
PRT	PT34	B		0	0	0	0
PRT	PT35	B		0	0	0	0
PRT	PT36	B		0	0	0	0
PRT	PT37	B	Professional Fishery Zone	0	0	0	0
PRT	PT38	B		0	0	0	0
PRT	PT41	C	Site of Biological Interest	0	0	0	0
PRT	PT50	B		0	0	0	0
PRT	PT51	B	Integral Hunting Reserve	0	0	0	0
PRT	PT52	B	Partial Hunting Reserve	0	0	0	0
PRT	PT53	B	Municipal Hunting Zone	0	0	0	0
PRT	PT54	B	Touristic Hunting Zone	0	0	0	0
PRT	PT55	B	Corporate Hunting Zone	0	0	0	0
PRT	PT56	B		0	0	0	0
PRT	PT97		Greenbelt, Urban Park	0	0	0	0
PRT	PT98		National Park - Buffer Zone	1	1	49190	49190
PRT	PT99		Others	0	0	0	0
				68	68	779016	779016

? 4.1.05 Designations not present in "SITES" table

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

Data Dictionary reference/s:

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

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

Legend - highlightings of result table fields

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

Number of detected records: **31**

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	CDDA sites	Remark
PRT	PT00		Sem estatuto de protecçã	No Protection Status	False	
PRT	PT01	A	Reserva Integral	Integral Reserve	False	
PRT	PT02	A	Refúgio Ornitológico	Ornithological Refuge	False	
PRT	PT04	A	Reserva Zoológica	Zoological Reserve	False	
PRT	PT05	A	Area Ornitológica a Recuperar	Ornithological Restoration Area	False	
PRT	PT21	B	Reserva Ecológica Nacional	National Ecological Reserve	False	
PRT	PT22	B	Domínio Público Hídrico	Public Hydrological territory	False	
PRT	PT23	B	Reserva Agrícola Nacional	National Agricultural Reserve	False	
PRT	PT24	B	Mata Nacional	National Forest	False	
PRT	PT26	B	Reserva Florestal Natural Parcial	Partial Natural Woodland Reserve	False	

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	CDDA sites	Remark
PRT	PT27	B	Reserva Florestal de Recreio	Recreation Woodland Reserve	False	
PRT	PT28	B	Locais de Caça Proibida	Hunting prohibited area	False	
PRT	PT30	B	Zona de Caça de Interesse Nacional	National Hunting Zone	False	
PRT	PT31	B	Zona de Pesca Proibida	Fishing prohibited area	False	
PRT	PT32	B	Zona de Pesca Reservada	Reserved fishing area	False	
PRT	PT33	B	Zona de Defesa e Controlo Urbano		False	
PRT	PT34	B	Zona de Pesca Condicionada		False	
PRT	PT35	B	Zona de Abrigo		False	
PRT	PT36	B	Zona de Desova		False	
PRT	PT37	B	Zona de Pesca Profissional	Professional Fishery Zone	False	
PRT	PT38	B	Concessões de Pesca Desportiva		False	
PRT	PT41	C	Sítio de Interesse Biológico	Site of Biological Interest	False	
PRT	PT50	B	Perímetro Florestal		False	
PRT	PT51	B	Reserva de Caça Integral	Integral Hunting Reserve	False	
PRT	PT52	B	Reserva de Caça Parcial	Partial Hunting Reserve	False	
PRT	PT53	B	Zona de Caça de Interesse Municipal	Municipal Hunting Zone	False	
PRT	PT54	B	Zona de Caça de Interesse Turístico	Touristic Hunting Zone	False	
PRT	PT55	B	Zona de Caça de Interesse Associativo	Corporate Hunting Zone	False	
PRT	PT56	B	Zona de Direito à Não Caça		False	
PRT	PT97		Zona Verde, Parque Urbano	Greenbelt, Urban Park	False	
PRT	PT99		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

Number of detected records: 0

! 4.1.09 Designations where "DESIG_ABBR" is duplicated

Number of detected records: 0

! 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

Legend - highlightings of result table fields

Category  Missing value (error)

Number of detected records: 2

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Number of sites
PRT	PT97		Zona Verde, Parque Urbano	Greenbelt, Urban Park	0
PRT	PT98		National Park - Buffer Zone	National Park - Buffer Zone	1
					1

! 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

If English version of designation name is not there, but national name is there it should be explained in Remark field why. If both are missing it will be treated as error, because it will affect indicator production.


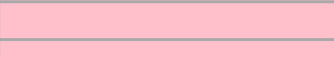
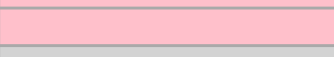


Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=22081

Legend - highlightings of result table fields

DESIGNATE  Missing value (error)

Number of detected records: 7

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Number of sites
PRT	PT33	B	Zona de Defesa e Controlo Urbano		0
PRT	PT34	B	Zona de Pesca Condicionada		0
PRT	PT35	B	Zona de Abrigo		0
PRT	PT36	B	Zona de Desova		0
PRT	PT38	B	Concessões de Pesca Desportiva		0
PRT	PT50	B	Perímetro Florestal		0
PRT	PT56	B	Zona de Direito à Não Caça		0
					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

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: **31**

ISO3	DESIG ABBR	Category	DESIGNATE	CDDA sites	Total Area reference	Remark	Number of sites
PRT	PT00		No Protection Status	False			0
PRT	PT01	A	Integral Reserve	False			0
PRT	PT02	A	Ornitological Refuge	False			0
PRT	PT04	A	Zoological Reserve	False			0
PRT	PT05	A	Ornitological Restoration Area	False			0
PRT	PT21	B	National Ecological Reserve	False			0
PRT	PT22	B	Public Hydrological territory	False			0
PRT	PT23	B	National Agricultural Reserve	False			0
PRT	PT24	B	National Forest	False			0
PRT	PT26	B	Partial Natural Woodland Reserve	False			0
PRT	PT27	B	Recreation Woodland Reserve	False			0
PRT	PT28	B	Hunting prohibited area	False			0
PRT	PT30	B	National Hunting Zone	False			0
PRT	PT31	B	Fishing prohibited area	False			0
PRT	PT32	B	Reserved fishing area	False			0
PRT	PT33	B		False			0
PRT	PT34	B		False			0
PRT	PT35	B		False			0
PRT	PT36	B		False			0
PRT	PT37	B	Professional Fishery Zone	False			0
PRT	PT38	B		False			0
PRT	PT41	C	Site of Biological Interest	False			0
PRT	PT50	B		False			0
PRT	PT51	B	Integral Hunting Reserve	False			0
PRT	PT52	B	Partial Hunting Reserve	False			0
PRT	PT53	B	Municipal Hunting Zone	False			0
PRT	PT54	B	Touristic Hunting Zone	False			0
PRT	PT55	B	Corporate Hunting Zone	False			0
PRT	PT56	B		False			0
PRT	PT97		Greenbelt, Urban Park	False			0

ISO3	DESIG ABBR	Category	DESIGNATE	CDDA sites	Total Area reference	Remark	Number of sites
PRT	PT99		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=18584

Legend - highlightings of result table fields

Law  Missing value (error)

Lawreference  Missing value (error)

Number of detected records: **30**

ISO3	DESIG ABBR	Category	DESIGNATE	Law	Lawreference	Number of sites
PRT	PT02	A	Ornitological Refuge			0
PRT	PT03	A	Botanical Reserve			1
PRT	PT04	A	Zoological Reserve			0
PRT	PT05	A	Ornitological Restoration Area			0
PRT	PT10	A	Classified Sites			10
PRT	PT21	B	National Ecological Reserve			0
PRT	PT22	B	Public Hydrological territory			0
PRT	PT23	B	National Agricultural Reserve			0
PRT	PT24	B	National Forest			0
PRT	PT25	B	Integral Natural Woodland Reserve			2
PRT	PT26	B	Partial Natural Woodland Reserve			0
PRT	PT27	B	Recreation Woodland Reserve			0
PRT	PT28	B	Hunting prohibited area			0
PRT	PT29	B	Hunting Reserve			1
PRT	PT30	B	National Hunting Zone			0
PRT	PT31	B	Fishing prohibited area			0
PRT	PT32	B	Reserved fishing area			0
PRT	PT33	B				0
PRT	PT34	B				0
PRT	PT35	B				0
PRT	PT36	B				0
PRT	PT37	B	Professional Fishery Zone			0
PRT	PT38	B				0
PRT	PT50	B				0
PRT	PT51	B	Integral Hunting Reserve			0
PRT	PT52	B	Partial Hunting Reserve			0

ISO3	DESIG ABBR	Category	DESIGNATE	Law	Lawreference	Number of sites
PRT	PT53	B	Municipal Hunting Zone			0
PRT	PT54	B	Touristic Hunting Zone			0
PRT	PT55	B	Corporate Hunting Zone			0
PRT	PT56	B				0
						14

! 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

Legend - highlightings of result table fields

Agency Missing value (error)

Number of detected records: **39**

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Agency	Number of sites
PRT	PT01	A	Reserva Integral	Integral Reserve		0
PRT	PT02	A	Refúgio Ornitológico	Ornithological Refuge		0
PRT	PT03	A	Reserva Botânica	Botanical Reserve		1
PRT	PT04	A	Reserva Zoológica	Zoological Reserve		0
PRT	PT05	A	Area Ornitológica a Recuperar	Ornithological Restoration Area		0
PRT	PT06	A	Parque Nacional	National Park		1
PRT	PT07	A	Reserva Natural	Nature Reserve		27
PRT	PT08	A	Parque Natural	Nature Park		12
PRT	PT09	A	Monumento Natural	Natural Monument		6
PRT	PT10	A	Sítio Classificado	Classified Sites		10
PRT	PT11	A	Paisagem Protegida	Protected Landscape		7
PRT	PT21	B	Reserva Ecológica Nacional	National Ecological Reserve		0
PRT	PT22	B	Domínio Público Hídrico	Public Hydrological territory		0
PRT	PT23	B	Reserva Agrícola Nacional	National Agricultural Reserve		0
PRT	PT24	B	Mata Nacional	National Forest		0
PRT	PT25	B	Reserva Florestal Natural Integral	Integral Natural Woodland Reserve		2
PRT	PT26	B	Reserva Florestal Natural Parcial	Partial Natural Woodland Reserve		0
PRT	PT27	B	Reserva Florestal de Recreio	Recreation Woodland Reserve		0
PRT	PT28	B	Locais de Caça Proibida	Hunting prohibited area		0
PRT	PT29	B	Reserva de Caça	Hunting Reserve		1
PRT	PT30	B	Zona de Caça de Interesse Nacional	National Hunting Zone		0
PRT	PT31	B	Zona de Pesca Proibida	Fishing prohibited area		0
PRT	PT32	B	Zona de Pesca Reservada	Reserved fishing area		0
PRT	PT33	B	Zona de Defesa e Controlo Urbano			0
PRT	PT34	B	Zona de Pesca Condicionada			0
PRT	PT35	B	Zona de Abrigo			0
PRT	PT36	B	Zona de Desova			0
PRT	PT37	B	Zona de Pesca Profissional	Professional Fishery Zone		0

ISO3	DESIG ABBR	Category	ODESIGNATE	DESIGNATE	Agency	Number of sites
PRT	PT38	B	Concessões de Pesca Desportiva			0
PRT	PT41	C	Sítio de Interesse Biológico	Site of Biological Interest		0
PRT	PT50	B	Perímetro Florestal			0
PRT	PT51	B	Reserva de Caça Integral	Integral Hunting Reserve		0
PRT	PT52	B	Reserva de Caça Parcial	Partial Hunting Reserve		0
PRT	PT53	B	Zona de Caça de Interesse Municipal	Municipal Hunting Zone		0
PRT	PT54	B	Zona de Caça de Interesse Turístico	Touristic Hunting Zone		0
PRT	PT55	B	Zona de Caça de Interesse Associativo	Corporate Hunting Zone		0
PRT	PT56	B	Zona de Direito à Não Caça			0
PRT	PT97		Zona Verde, Parque Urbano	Greenbelt, Urban Park		0
PRT	PT98		National Park - Buffer Zone	National Park - Buffer Zone		1
						68

? 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=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=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: 7

ISO3	DESIG ABBR	Number reference	Total Area reference	Data Source	Reference date	Number of sites
PRT	PT06	1		First Portuguese National Report to be submitted to the conference of the parties to the Convention on Biological Diversity, Ministry of the Environment, the Nature Conservation Institute	1998	1
PRT	PT07	23		First Portuguese National Report to be submitted to the conference of the parties to the Convention on Biological Diversity, Ministry of the Environment, the Nature Conservation Institute	1998	27
PRT	PT08	12		First Portuguese National Report to be submitted to the conference of the parties to the Convention on Biological Diversity, Ministry of the Environment, the Nature Conservation Institute	1998	12
PRT	PT09	5		First Portuguese National Report to be submitted to the conference of the parties to the Convention on Biological Diversity, Ministry of the Environment, the Nature Conservation Institute	1998	6

CDDA - Report on analysis of National Database - Portugal

ISO3	DESIG ABBR	Number reference	Total Area reference	Data Source	Reference date	Number of sites
PRT	PT10	10		First Portuguese National Report to be submitted to the conference of the parties to the Convention on Biological Diversity, Ministry of the Environment, the Nature Conservation Institute	1998	10
PRT	PT11	8		First Portuguese National Report to be submitted to the conference of the parties to the Convention on Biological Diversity, Ministry of the Environment, the Nature Conservation Institute	1998	7
PRT	PT26	16		First Portuguese National Report to be submitted to the conference of the parties to the Convention on Biological Diversity, Ministry of the Environment, the Nature Conservation Institute	1998	0
						63

4.2 Sites table

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

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

Data Dictionary reference/s:

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

Summary of the test results

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

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

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

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

Field	Comment	Detailed test
SITE_CODE	No new sites	4.2.01
	No sites marked to be deleted	4.2.03
SITE_CODE_NAT	30 sites have missing national site code!	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
	1 area name (Peneda-Gerês) is duplicated (2 sites have this name totaly).	4.2.14
SIZE	4 sites have missing size!	4.2.16
IUCNCAT	5 sites have missing IUCN category!	4.2.19
NUTS	68 sites have missing NUTS code!	4.2.21
YEAR	5 sites have missing year!	4.2.23
ALTITUDEs	63 sites have missing at least one of altitudes!	4.2.25
	3 sites have minimal altitude out of reference elevation range of the country (0.00m - 2351.00m)!	4.2.27
LAT, LON	11 sites have missing coordinates!	4.2.29
	13 sites have coordinates outside of reference bounding box/boxes of the country!	4.2.30
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

Legend - highlightings of result table fields

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

Number of detected designations: **8**

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PT03	Botanical Reserve	1	100	338	0	0	0
PT07	Nature Reserve	19	70.37	60173	0	0	0
PT08	Nature Park	1	8.33	28000	0	0	0
PT09	Natural Monument	1	16.67	6	0	0	0
PT11	Protected Landscape	4	57.14	2475	0	0	0
PT25	Integral Natural Woodland Reserve	2	100	265	0	0	0
PT29	Hunting Reserve	1	100	0	0	0	0
PT98	National Park - Buffer Zone	1	100	49190	0	0	0
		30	44.12	140447	0	0	0

! 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

Number of detected records: 2

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME
860	PT0600001	PRT	PT06	Peneda-Gerês
106665		PRT	PT98	Peneda-Gerês

! 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

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
PT07	Nature Reserve	2	7.41	0	0	0	0
PT11	Protected Landscape	1	14.29	0	0	0	0
PT29	Hunting Reserve	1	100	0	0	0	0
		4	5.88	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

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

Legend - highlightings of result table fields

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

Number of detected designations: 4

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PT07	Nature Reserve	2	7.41	0	0	0	0
PT10	Classified Sites	1	10	0	0	0	0
PT11	Protected Landscape	1	14.29	0	0	0	0

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PT29	Hunting Reserve	1	100	0	0	0	0
		5	7.35	0	0	0	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

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28760

Number of detected designations: 10

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PT03	Botanical Reserve	1	100	338	0	0	0
PT06	National Park	1	100	21100	0	0	0
PT07	Nature Reserve	27	100	128310	0	0	0
PT08	Nature Park	12	100	572315	0	0	0
PT09	Natural Monument	6	100	79	0	0	0
PT10	Classified Sites	10	100	2578	0	0	0
PT11	Protected Landscape	7	100	4841	0	0	0
PT25	Integral Natural Woodland Reserve	2	100	265	0	0	0
PT29	Hunting Reserve	1	100	0	0	0	0
PT98	National Park - Buffer Zone	1	100	49190	0	0	0
		68	100	779016	0	0	0

! 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

Legend - highlightings of result table fields

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

Number of detected designations: 4

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PT07	Nature Reserve	1	3.7	0	0	0	0
PT11	Protected Landscape	1	14.29	0	0	0	0
PT25	Integral Natural Woodland Reserve	2	100	265	0	0	0
PT29	Hunting Reserve	1	100	0	0	0	0
		5	7.35	265	0	0	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=18809http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=23453**Legend - highlightings of result table fields**Valid sites number Number of sites where detected error should be corrected

Number of detected designations: 9

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PT03	Botanical Reserve	1	100	338	0	0	0
PT07	Nature Reserve	25	92.59	127760	0	0	0
PT08	Nature Park	11	91.67	555562	0	0	0
PT09	Natural Monument	6	100	79	0	0	0
PT10	Classified Sites	10	100	2578	0	0	0
PT11	Protected Landscape	6	85.71	4442	0	0	0
PT25	Integral Natural Woodland Reserve	2	100	265	0	0	0
PT29	Hunting Reserve	1	100	0	0	0	0
PT98	National Park - Buffer Zone	1	100	49190	0	0	0
		63	92.65	740214	0	0	0

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

Number of detected records: 0

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

Site altitudes should not be outside of elevation range of the country. However if altitude is less then 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=23453http://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 (bellow 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 (bellow 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: **3 (4.41 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	ALTITUDE	
						MIN	MAX
64634		PRT	PT07	Formigas Islets and Dolabarat Bank	0	-400	10
64635		PRT	PT07	Topo Islet (Sao Jorge Island)	81	-30	
64640		PRT	PT07	Garajau		-50	
					81	ref. 0.00	ref. 2351.00

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

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

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28825http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20550

Legend - highlightings of result table fields

Valid sites number Number of sites where detected error should be correctedNumber of detected designations: **4**

DESIG ABBR	DESIGNATE	Valid sites			Sites to be deleted		
		number	%	size	number	%	size
PT07	Nature Reserve	2	7.41	282	0	0	0
PT08	Nature Park	2	16.67	154920	0	0	0
PT09	Natural Monument	6	100	79	0	0	0
PT11	Protected Landscape	1	14.29	0	0	0	0
		11	16.18	155281	0	0	0

! 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

Data Dictionary reference/s:

http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=28825http://dd.eionet.europa.eu/data_element.jsp?mode=view&delem_id=20550

Legend - highlightings of result table fields

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: **13 (19.12 %)**

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	LAT	LON
4796	PT0700004	PRT	PT07	Berlengas	9664	39.41667	-9.5
13333		PRT	PT07	Ilheu de Vila Franca do Campo	101	37.7	-25.45
13334		PRT	PT07	Ilheu do Topo	65	38.55	-27.75
13342		PRT	PT11	Monte da Guia	72	38.51667	-28.63333

SITE CODE	SITE CODE NAT	ISO3	DESIG ABBR	AREANAME	SIZE	LAT	LON
18943		PRT	PT07	Ilheus das Formigas	40000	37.25	-24.75
32568		PRT	PT07	Ilhas Selvagens	3400	30.16667	-15.83333
39816		PRT	PT07	Ilhas Desertas	9672	32.26667	-16.45
64635		PRT	PT07	Topo Islet (Sao Jorge Island)	81	38.41667	-27.75
64639		PRT	PT25	Selvagem Pequena & Ilheu de fora (Ilhas Selvagens)	20	30.03333	-16.03333
64640		PRT	PT07	Garajau		32.5	-16.91667
64642		PRT	PT29	Ilheu do Bugio (Desertas Islands)		32.41667	-16.43333
70909		PRT	PT07	Bays of Maia, S.Laurenco, Anjos & Praia	50	36.91667	-25.16667
106665		PRT	PT98	Peneda-Gerês	49190	41.95	8.25
					112315		

i 4.2.31 Sites where coordinates are duplicated

Number of detected records: **0**

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!