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EU/CoE Joint Programme Emerald Network of Nature Protection Sites, Phase II (DCI-ENV/2012/289-173)

Quality check of the 2013 Emerald Sites database delivery by Moldova

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INTRODUCTION

The current report presents the result of the quality analysis/quality check of the Emerald database submitted by Moldova for 2013, through the EIONET Common Data Repository.

The analysis is the result of a detailed analysis performed by the three scientific and technical experts working on the project and is presented as follows: (1) analysis of the technical completeness of the database, (2) analysis of the completeness of the spatial data and (3) and an analysis of the overall scientific soundness of the database.

The information provided here should be thoroughly considered and every comment included by the experts should be carefully analysed and relevant action undertaken. In addition, it is suggested that the questions asked in Chapter 3 are used by the country for running a self-assessment/internal check of the Network proposed so far.

It should be noted that the analysis presented below is not a result of a complete feature by feature analysis, which will be the purpose of the biogeographical evaluation of the country site proposals, to be initiated in 2015.

The results of the qa/qc report will also be debated at the Emerald technical meeting organised in each of the project target countries and any eventual questions by the national Emerald team members will be clarified there.

1. DESCRIPTIVE DATA: TECHNICAL COMPLETENESS

1.1. Table BIOTOP:

Number of records:

A sites	B sites	C sites	Total
1	10	7	18

Field Name	Description	Comment
TYPE	Site type	OK
SITECODE	Site Code	OK
DATE	Compilation Date	OK
UPDATE	Update date	OK
DATE_PROP	Date site proposed as eligible as ASCI	OK
DATE_CON	Date confirmed as ASCI	N/A
RESPONDENT	Respondent	OK
MANAGER	Site Manager	OK
SITE_NAME	Site Name	OK
AREA	Area in ha	2 sites use the decimal “.” Instead of the decimal “,” which is causing errors during data integration at European level. Almost all rounded area figures ? this should be verified against GIS data.
LENGTH	Site length in kilometres	OK

Field Name	Description	Comment
LON_EW	Longitude East/West	OK
LAT_NS	Latitude North/South	OK
LON_DEG	Longitude Degrees	Site 18 no coordinates given
LON_MIN	Longitude Minutes	
LON_SEC	Longitude Seconds	
LAT_DEG	Latitude Degrees	
LAT_MIN	Latitude Minutes	
LAT_SEC	Latitude Seconds	
ALT_MEAN	Altitude Mean	
ALT_MIN	Altitude Minimum	OK
ALT_MAX	Altitude Maximum	OK
ANATOL	Biogeographic region/Anatolian	N/A
ARCTIC	Biogeographic region/Arctic	N/A
ALPINE	Biogeographic region/Alpine	N/A
ATLANTIC	Biogeographic region/Atlantic	N/A
CONTINENT	Biogeographic region/Continental	OK
MACARONES	Biogeographic region/Macaronesian	N/A
MEDITERR	Biogeographic region/Mediterranean	N/A
BOREAL	Biogeographic region/Boreal	N/A
PANNONIC	Biogeographic region/Pannonian	N/A
PONTIC	Biogeographic region/Black Sea	N/A
STEPPIC	Biogeographic region/Steppic	OK
QUALITY	Description Site Quality	OK
VULNAR	Description Site Vulnerability	OK
DESIGN	Description Site Designation	OK
OWNER	Description Site Ownership	OK
DOCUM	Description Site Documentation	OK
CHARACT	Description Site Character	11 sites with no description
MANAGPL	Description Site Management Plan	13 sites with no text given
PHOTOS	Aerial photographs availability	OK
MAPSINCL	Maps Included	OK

1.2. Table AMPREP: Amphibian and Reptiles

Number of records: 39

Number of species: 6

Field Name	Description	Comment
SITECODE	Site Code	OK
ANNEX_II	Resolution 6 species Y/N	N/A
SPECNUM	Species Number	OK
SPECNAME	Species Name	OK
RESIDENT	Resident population	OK, but only qualitative data "P"

Field Name	Description	Comment
BREEDING	Breeding population	Typing error for site nr. 12: blank space in front of "P"
WINTER	Wintering population	
STAGING	Staging population	
POPULATION	Site Assessment: Population	OK
CONSERVE	Site Assessment: Conservation	OK
ISOLATION	Site Assessment: Isolation	OK
GLOBAL	Site Assessment: Global	OK

1.3. Table BIRD: Birds

Number of records: 210

Number of species: 50

Field Name	Description	Comment
SITECODE	Site Code	OK
ANNEX_II	Resolution 6 species Y/N	N/A
SPECNUM	Species Number	OK
SPECNAME	Species Name	1 record with no name given, SPECNUM = A104 (Pluvialis apricaria)
RESIDENT	Resident population	OK
BREEDING	Breeding population	
WINTER	Wintering population	
STAGING	Staging population	
POPULATION	Site Assessment: Population	2 records with "D" and other criteria still given: sites 4, 7 and 12
CONSERVE	Site Assessment: Conservation	OK
ISOLATION	Site Assessment: Isolation	OK
GLOBAL	Site Assessment: Global	Site nr. 12, "Pelecanus crispus", no global assessment given

1.4. Table FISHES: Fishes

Number of records: 6

Number of species: 3

Field Name	Description	Comments
SITECODE	Site Code	OK
ANNEX_II	Resolution 6 species Y/N	N/A
SPECNUM	Species Number	OK
SPECNAME	Species Name	OK
RESIDENT	Resident population	OK, but only qualitative data
BREEDING	Breeding population	
WINTER	Wintering population	
STAGING	Staging population	
POPULATION	Site Assessment: Population	OK

CONSERVE	Site Assessment: Conservation	OK
ISOLATION	Site Assessment: Isolation	OK
GLOBAL	Site Assessment: Global	OK

1.5. Table INVERT: Invertebrates

Number of records: 16

Number of species: 3

Field Name	Description	Comment
SITECODE	Site Code	OK
ANNEX_II	Resolution 6 species Y/N	N/A
SPECNUM	Species Number	OK
SPECNAME	Species Name	OK
RESIDENT	Resident population	OK, but only qualitative data
BREEDING	Breeding population	
WINTER	Wintering population	
STAGING	Staging population	
POPULATION	Site Assessment: Population	OK
CONSERVE	Site Assessment: Conservation	
ISOLATION	Site Assessment: Isolation	
GLOBAL	Site Assessment: Global	

1.6. Table MAMMAL: Mammals

Number of records: 32

Number of species: 11

Field Name	Description	Comment
SITECODE	Site Code	OK
ANNEX_II	Resolution 6 species Y/N	N/A
SPECNUM	Species Number	OK
SPECNAME	Species Name	OK
RESIDENT	Resident population	Only qualitative data; for mammals it should be possible to indicate at least some quantitative information
BREEDING	Breeding population	
WINTER	Wintering population	
STAGING	Staging population	
POPULATION	Site Assessment: Population	OK
CONSERVE	Site Assessment: Conservation	
ISOLATION	Site Assessment: Isolation	
GLOBAL	Site Assessment: Global	

1.7. Table PLANT: Plants

Number of records: 22 (all from resolution 6 species)

Number of species: 8

Number of species of Resolution 6: 8

Number of species in country reference database: 10 (no sites for “*Carlina onopordifolia*” and “*Thesium ebracteatum*”)

Field Name	Description	Comments
SITECODE	Site Code	OK
ANNEX_II	Resolution 6 species Y/N	N/A
SPECNUM	Species Number	OK
SPECNAME	Species Name	OK
RESIDENT	Resident population	2 records with no data (site 18)
POPULATION	Site Assessment: Population	OK
CONSERVE	Site Assessment: Conservation	OK
ISOLATION	Site Assessment: Isolation	OK
GLOBAL	Site Assessment: Global	OK

1.8. Table SPEC: Other important species

Number of records: 26

Field Name	Description	Comments
SITECODE	Site Code	OK
TAXGROUP	Taxonomic group	OK
SPECNAME	Species Name	OK
POPULATION	Site Assessment: Population	OK
MOTIVATION	Motivation for inclusion	OK

1.9. Table ACTVTY: Impact and human activity in and around site

Field Name	Description	Comments
SITECODE	Site Code	OK
ACT_CODE	Activity code	OK
IN_OUT	In site / Out site	OK
INTENSITY	Intensity code	OK
COVER	% cover by activity	OK
INFLUENCE	Influence on site	OK

1.10. Table HABIT1: Resolution 4 (1996) Habitat Types

Number of records: 55 (all correct Res. 4 habitat codes)

Number of habitats: 16

Number of habitats in country Reference Database: 19 (also habitat code in Reference data base at hierarchical level different from Res.4: A2.5515, should be A2.5, coastal habitat ?)

Field Name	Description	Comments
SITECODE	Site Code	OK
HBCDAX	Habitat Code of Resolution 4	OK
COVER	% cover by habitat	OK
REPRESENT	Site Assessment: Representativity	OK
REL_SURF	Site Assessment: Relative Surface	OK
CONSERVE	Site Assessment: Conservation	
GLOBAL	Site Assessment: Global	

1.11. Table HABIT1A: Other important Habitat Types

No information given, but OK : table has been removed in new SDF

Field Name	Description	Comments
SITECODE	Site Code	
HBCDAX	Habitat Code	
COVER	% cover by habitat	

1.12. Table HABIT2: General Habitat Types

Field Name	Description	Comments
SITECODE	Site Code	OK
HABCODE	General habitat code	OK
COVER	% cover by general habitat type	OK

1.13. Table REGCODE: Regions

Field Name	Description	Comments
SITECODE	Site Code	OK
REC_CODE	Region Code	OK
COVER	% cover by region	OK

1.14. Table DESIGC: Site designation codes

Field Name	Description	Comments
SITECODE	Site Code	OK
DESICODE	Designation Code	OK
COVER	% cover by designation	OK

1.15. Table DESIGR: Relation to designated sites

Field Name	Description	Comments
SITECODE	Site Code	OK
DESICODE	Designation Code	MD00 should not be mentioned here

DES_SITE	Name of designated site	OK
OVERLAP	Overlap type	2 records with no overlap type
OVERLAP_P	% overlap Emerald/Designated site	1 record with no %

1.16. Table CORINE: Relation to CORINE Biotopes sites

Field Name	Description	Comments
SITECODE	Site Code	N/A
CORINE	Corine Biotopes code	N/A
OVERLAP	Overlap type	N/A
OVERLAP_P	% overlap Biotope/Designated site	N/A

1.17. Table SITREL: Relation to other EMERALD Sites

Field Name	Description	Comments
SITECODE	Site Code	OK
OTHERTYPE	Type of related EMERALD site	OK
OTHERSITE	Site Code related EMERALD site	OK

1.18. Table MAP: Map information

Only information given for site nr. 1 and 2

Field Name	Description	Comments
SITECODE	Site Code	
MAP_NO	Map number	
SCALE	Map Scale	
PROJECTION	Map Projection	
DETAILS	Digitized boundaries details	

1.19. Table PHOTO: Aerial photographs and slides

Field is removed in new SDF; no need to indicate information

Field Name	Description	Comments
SITECODE	Site Code	
TYPE	Aerial photograph or slide	
REFNUM	Aerial photo reference	
LOCATION	Photo/Slide location	
DESCRIPT	Photo/Slide description	
DATE	Photo/Slide date	
AUTHOR	Slide Author/Copyright	

1.20. Table HISTRY: History information

The information given in this table for 14 sites seems to be of high value for the general character memo field. Please check and move to other fields if considered valuable information.

Field Name	Description	Comments
SITECODE	Site Code	
KEYWORD	History keyword	
DESCRIPT	Description of change	
DATE	Change date	

1.21. Table RESP: Respondent

Field Name	Description	Comments
RESPOND	Respondent information	OK

2. SPATIAL DATA: COMPLETENESS AND ACCORDANCE WITH DESCRIPTIVE DATA

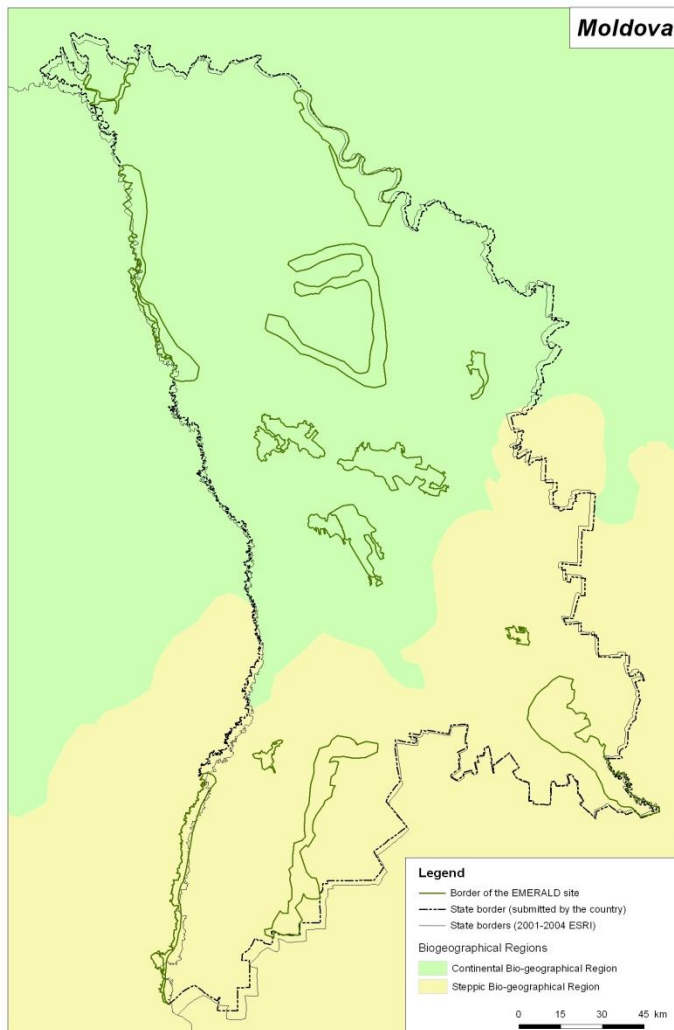
The purpose of this check is to ensure integrity of tabular and spatial datasets and to correct possible errors before preparations for the bio-geographical seminar.

2.1. Geographical integrity (scale, projection). General observations.

Description
Analysed spatial dataset: site-boundaries-MD-201401.MAP, downloaded from http://cdr.eionet.europa.eu/md/coltlvaya/coltlvabg/envuqgprg (Envelope of 2013). Coordinate system: unknown.
Analysed tabular database: CNTRYMD-201312.MDB, downloaded from http://cdr.eionet.europa.eu/md/coltlvaya/coltlvabg/envuqgprg (Envelope of 2013).

Number of sites in spatial data set: 18

Map: distribution of sites within country:



Remarks

1. The attribute table of the spatial data set is not filled; as a result the site codes of the sites in the spatial data set are not known.
2. The used coordinate system is not known; as a result it is not possible to project the data to the Coordinate system ETRS_1899_LAEA (used for pan-European data according to the INSPIRE Directive) correctly.
3. The spatial dataset of Emerald sites consist not only of polygons of the Emerald sites, but also of line of the state border. It makes it difficult to work with the data in other GIS programmes.

Please add the attribute data, define the used coordinate system and make a spatial data set that consists only with EMERALD sites.

2.2. Check compatibility and completeness between tabular data site-code and site-code indicated in the GIS-layers

Sitecodes not in tabular database:

The attribute table of the spatial data set is not filled. The site codes of the EMERALD sites in the spatial data set are not known; as a result it is not possible to analyze the differences in spatial and tabular databases.

Sitecodes not in spatial database submitted in 2013.

Sitecode	Notes
MD0000001	The attribute table of the spatial data set is not filled. The site codes of the EMERALD sites in the spatial data set are not known.
MD0000002	
MD0000003	
MD0000004	
MD0000005	
MD0000006	
MD0000007	
MD0000008	
MD0000009	
MD0000010	
MD0000011	
MD0000012	
MD0000013	
MD0000014	
MD0000015	
MD0000016	
MD0000017	
MD0000018	

Remarks

Please add the attribute data to the spatial data sets.

2.3. Are all centroids within polygons of respective sites?

Sitecodes where this is not the case

Sitecode (as in the tabular data set)	Longitude	Latitude	Notes
MD0000001	E28 8' 22"	N45 35' 11"	The attribute table of the spatial

MD0000002	E27 25' 5"	N47 35' 5"	data set is not filled. The site codes of the EMERALD sites in the spatial data set are not known; as a result the coincidence of the tabular and spatial data is not known.
MD0000003	E28 0' 0"	N47 18' 0"	
MD0000004	E28 20' 9"	N47 4' 59"	
MD0000005	E28 2' 45"	N48 17' 11"	
MD0000006	E26 59' 38"	N48 18' 8"	
MD0000007	E28 44' 6"	N47 18' 40"	
MD0000008	E28 8' 21"	N47 19' 32"	
MD0000009	E28 21' 16"	N46 16' 30"	
MD0000010	E28 21' 3"	N47 3' 49"	
MD0000011	E28 3' 54"	N46 57' 6"	
MD0000012	E28 37' 58"	N45 52' 25"	
MD0000013	E29 49' 33"	N46 34' 28"	
MD0000014	E28 3' 57"	N48 14' 78"	
MD0000015	E28 54' 52"	N47 39' 18"	
MD0000016	E28 36' 54"	N46 6' 25"	
MD0000017	E28 3' 34"	N47 50' 56"	
MD0000018	-	-	

2.4. Check tabular site surface area in comparison with polygon area and indicate most significant departures

Sitecode	Area: spatial	Area: tabular	Difference, ha	Difference, %	Notes
MD0000001	?	1691,00	?	?	The attribute table of the spatial data set is not filled. The site codes of the EMERALD sites in the spatial data set are not known; as a result it is not possible to analyze the differences in spatial and tabular databases.
MD0000002	?	6032,00	?	?	
MD0000003	?	5642,00	?	?	
MD0000004	?	5127,00	?	?	
MD0000005	?	15553,00	?	?	
MD0000006	?	4585,00	?	?	
MD0000007	?	30000,00	?	?	
MD0000008	?	13400,00	?	?	
MD0000009	?	35000,00	?	?	
MD0000010	?	18500,00	?	?	
MD0000011	?	33000,00	?	?	
MD0000012	?	19000,00	?	?	
MD0000013	?	60000,00	?	?	
MD0000014	?	27000,00	?	?	
MD0000015	?	4900,00	?	?	
MD0000016	?	50000,00	?	?	
MD0000017	?	56000,00	?	?	
MD0000018	?	3035,00	?	?	

2.5. Site location in the bio-geographical region, according to the spatial data set.

There are no sites that are located in more than one bio-geographical region.

2.6. Are sites within the state boundaries?

As far as it can be judged from the available spatial data, all sites are located within the state's boundaries.

3. DESCRIPTIVE DATA: SCIENTIFIC COMPLETENESS AND SOUNDNESS

The aim of this check is to ensure scientific quality of the data and to minimize the need to correct/complete these issues during the preparations for bio-geographical seminars. Please correct the issues indicated below. ‘OK’ means that no action is required.

3.1. Problems with indication of bio-geographic regions?

No regions indicated

SITE_CODE	Description
-	OK. Regions indicated for all sites.

Multiple regions in spatial and tabular dataset:

SITE_CODE	Spatial		Tabular	
	CON	STE	CON	STE
There are no MD sites sharing two regions.				

3.2. Is habitat cover filled at least for a majority of sites? Are records logical, i.e. do not exceed 100% (for the old SDF). Are there 0% values?

Account of possible problems in ‘habit1’ table:

SITE_CODE	Description
-	OK. Yes, filled for all sites, no records exceeding 100% as well as no zeros. Cover assessments apparently very robust.

3.3. Are site assessments complete at least for a majority of sites, i.e. at least POPULATION for species? Are there any obvious problems with the use of categories (ABCD)?

Account of possible problems

Table	Remarks
amprep	OK. Category use reasonable. [Res. 6 species only]
bird	OK. Only one A for more than 200 records. This is unlikely for a relatively small country unless best sites are not proposed. [Res. 6 species only]
fish	OK, but all C of only 5 records altogether. [Res. 6 species only]
invert	OK, but most C and a few B of only 16 records altogether. Best sites not proposed? [Res. 6 species only]
mammal	OK, but all populations either C or D. Best sites not proposed? [Res. 6 species only]

plant	OK, but all populations C except one B. Best sites not proposed? [Res. 6 species only]
-------	--

3.4. Are there double-records for species/site?

Account of possible problems

Table	Remarks								
amprep	OK, no duplicates								
bird	Please delete duplicates for following records: <table border="1" data-bbox="560 653 873 821"> <thead> <tr> <th>SITECODE</th> <th>SPECNUM</th> </tr> </thead> <tbody> <tr> <td>MD0000002</td> <td>A060</td> </tr> <tr> <td>MD0000005</td> <td>A089</td> </tr> <tr> <td>MD0000012</td> <td>A082</td> </tr> </tbody> </table>	SITECODE	SPECNUM	MD0000002	A060	MD0000005	A089	MD0000012	A082
SITECODE	SPECNUM								
MD0000002	A060								
MD0000005	A089								
MD0000012	A082								
fish	OK, no duplicates								
invert	OK, no duplicates								
mammal	OK, no duplicates								
plant	OK, no duplicates								

3.5. Are there double-records for habitats/site?

Account of possible problems

Table	Remarks
Habit1	OK, no duplicates

3.6. Are numeric data available for POPULATION, at least for birds and mammals?

Account of possible problems

Remarks
Some sites contain numeric data on bird populations, but with some uncertainties (see point 1.8 below).

3.7. Are there any obvious gaps in representation of all features of Resolutions 4 and 6 in the database (according to the Reference List)?

Account of possible problems

Group	Description
Habitats	Habitats in MD Reference List but not in SDFs:

	<table border="1"> <thead> <tr> <th data-bbox="438 239 634 275">Habitat code</th> <th data-bbox="634 239 1495 275">MD comments</th> </tr> </thead> <tbody> <tr> <td data-bbox="438 275 634 348">A2.5515</td> <td data-bbox="634 275 1495 348">Distribution: Grounds with pasture - soils spread in the meadow of the rivers: Ialpug, Cahul, Cogalnic, Gârla Mare</td> </tr> <tr> <td data-bbox="438 348 634 491">H1.</td> <td data-bbox="634 348 1495 491">In the Republic of Moldova there are a some little coves: Ciuntu (r.Briceni), Rudi (raionul Dondușeni), Țipova (r.Rezina), Pohorniceni(r.Orhei). The biggest cave in Moldova is Emil Rakovitse which is near village Criva (Briceni district).</td> </tr> <tr> <td data-bbox="438 491 634 525">X18</td> <td data-bbox="634 491 1495 525">No comments</td> </tr> </tbody> </table>	Habitat code	MD comments	A2.5515	Distribution: Grounds with pasture - soils spread in the meadow of the rivers: Ialpug, Cahul, Cogalnic, Gârla Mare	H1.	In the Republic of Moldova there are a some little coves: Ciuntu (r.Briceni), Rudi (raionul Dondușeni), Țipova (r.Rezina), Pohorniceni(r.Orhei). The biggest cave in Moldova is Emil Rakovitse which is near village Criva (Briceni district).	X18	No comments							
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X18	No comments															
Non-avian species	<p>Species in MD Reference List, but not in SDFs:</p> <table border="1"> <thead> <tr> <th data-bbox="438 604 542 640">Code</th> <th data-bbox="542 604 846 640">Name</th> <th data-bbox="846 604 1495 640">MD comments</th> </tr> </thead> <tbody> <tr> <td data-bbox="438 640 542 783">1437</td> <td data-bbox="542 640 846 783">Thesium ebracteatum</td> <td data-bbox="846 640 1495 783">This species has been specified for forests of northern part of Moldova. It is necessary to do scientific researches for the purpose of revealing of a current state of this species within Moldova.</td> </tr> <tr> <td data-bbox="438 783 542 894">2011</td> <td data-bbox="542 783 846 894">Umbra krameri</td> <td data-bbox="846 783 1495 894">It is a critically endangered species (CR), on the way to vanish. It is met in the lower stream of Prut and Nistru rivers.</td> </tr> <tr> <td data-bbox="438 894 542 1060">2249</td> <td data-bbox="542 894 846 1060">Carlina onopordifolia</td> <td data-bbox="846 894 1495 1060">It is have been noted near the communes Rașcov (r. Camenca) but has obviously disappeared. It is necessary to conduct scientific researches for the purpose of revealing of a current state of this species within Moldova.</td> </tr> </tbody> </table>	Code	Name	MD comments	1437	Thesium ebracteatum	This species has been specified for forests of northern part of Moldova. It is necessary to do scientific researches for the purpose of revealing of a current state of this species within Moldova.	2011	Umbra krameri	It is a critically endangered species (CR), on the way to vanish. It is met in the lower stream of Prut and Nistru rivers.	2249	Carlina onopordifolia	It is have been noted near the communes Rașcov (r. Camenca) but has obviously disappeared. It is necessary to conduct scientific researches for the purpose of revealing of a current state of this species within Moldova.			
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2011	Umbra krameri	It is a critically endangered species (CR), on the way to vanish. It is met in the lower stream of Prut and Nistru rivers.														
2249	Carlina onopordifolia	It is have been noted near the communes Rașcov (r. Camenca) but has obviously disappeared. It is necessary to conduct scientific researches for the purpose of revealing of a current state of this species within Moldova.														
Birds	<p>Species in MD Reference List, but not in SDFs:</p> <table border="1"> <thead> <tr> <th data-bbox="438 1140 542 1176">Code</th> <th data-bbox="542 1140 846 1176">Name</th> <th data-bbox="846 1140 1495 1176">MD comments</th> </tr> </thead> <tbody> <tr> <td data-bbox="438 1176 542 1287">A084</td> <td data-bbox="542 1176 846 1287">Circus pygargus</td> <td data-bbox="846 1176 1495 1287">It is a critically endangered species (CR), threatened to disappear. There is no information on species nestling on the territory of Moldova.</td> </tr> <tr> <td data-bbox="438 1287 542 1497">A095</td> <td data-bbox="542 1287 846 1497">Falco naumanni</td> <td data-bbox="846 1287 1495 1497">It is a critically endangered species, the number of which is decreasing. Spreading. Up to the beginning of 70'ies it was a species that nested rarely (1) on open landscapes of Prut and Nistru valleys. Nawadays it is met extremely rarely and only in the southern zone.</td> </tr> <tr> <td data-bbox="438 1497 542 1707">A132</td> <td data-bbox="542 1497 846 1707">Recurvirostra avosetta</td> <td data-bbox="846 1497 1495 1707">Actually fluctuating. The area includes steppe and semidesert zones of Eurasia and Africa. In Moldova meets the southern districts, on the lower Prut River. Wintering in Africa, except South Asia. Rare species protected in Moldova. The lack of favorable habitat for breeding species hinder development.</td> </tr> <tr> <td data-bbox="438 1707 542 1913">A135</td> <td data-bbox="542 1707 846 1913">Glareola pratincola</td> <td data-bbox="846 1707 1495 1913">Rare species during autumn and spring migrations. The area includes the area between the Pyrenees and the Caspian Sea, being confined to southern Europe, northwest Africa and the Middle East. In Moldova is rarely seen during migration in the Prut river meadow and river Nstru.</td> </tr> </tbody> </table>	Code	Name	MD comments	A084	Circus pygargus	It is a critically endangered species (CR), threatened to disappear. There is no information on species nestling on the territory of Moldova.	A095	Falco naumanni	It is a critically endangered species, the number of which is decreasing. Spreading. Up to the beginning of 70'ies it was a species that nested rarely (1) on open landscapes of Prut and Nistru valleys. Nawadays it is met extremely rarely and only in the southern zone.	A132	Recurvirostra avosetta	Actually fluctuating. The area includes steppe and semidesert zones of Eurasia and Africa. In Moldova meets the southern districts, on the lower Prut River. Wintering in Africa, except South Asia. Rare species protected in Moldova. The lack of favorable habitat for breeding species hinder development.	A135	Glareola pratincola	Rare species during autumn and spring migrations. The area includes the area between the Pyrenees and the Caspian Sea, being confined to southern Europe, northwest Africa and the Middle East. In Moldova is rarely seen during migration in the Prut river meadow and river Nstru.
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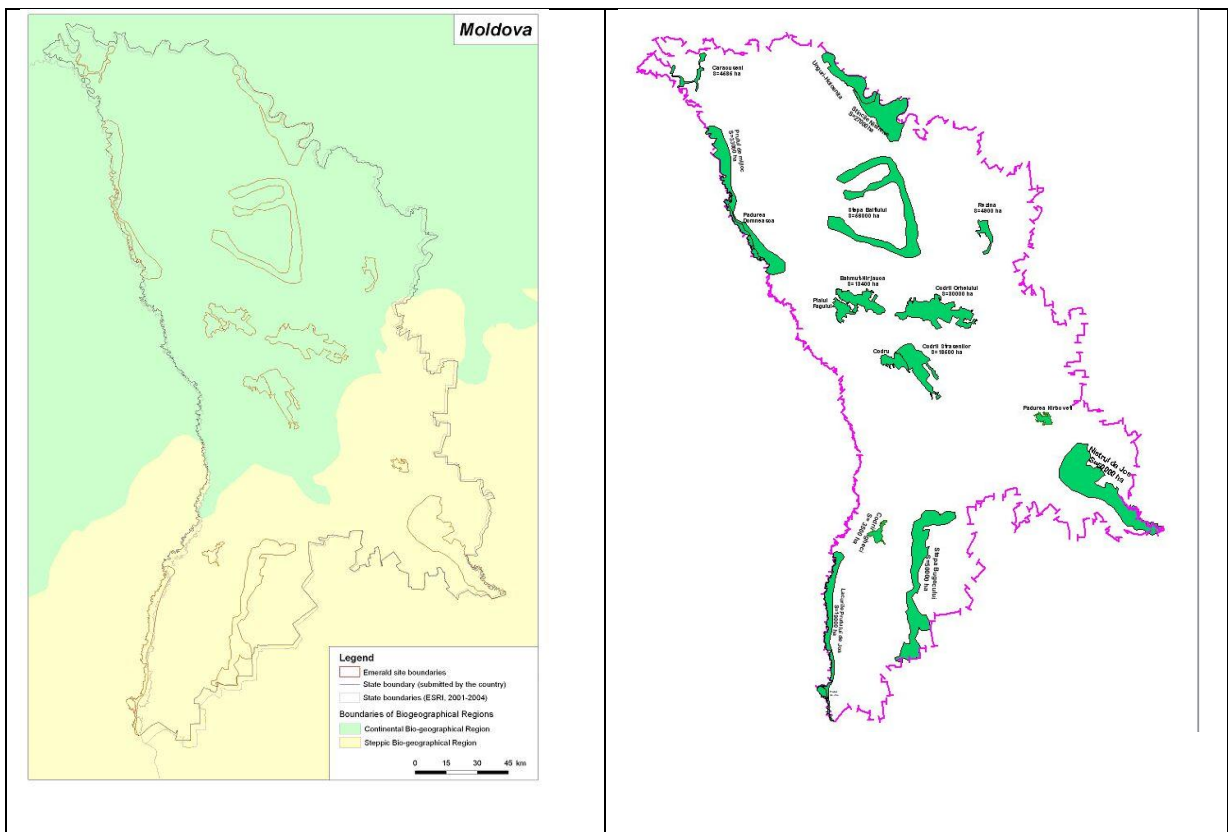
3.8. Are there unrealistic POPULATION SIZE x SITE AREA relationships or other potential problems with species status?

Account of possible problems

SITE_CODE	Species name	Description
MD0000001 MD0000012	Cygnus cygnus	Indicated 50-80i as 'RESIDENT' most likely is not true. Probably should be either 'WINTER' or 'STAGING'. Please check also other species in these sites.

3.9. Are there obvious or substantial gaps in site distribution?

The 2013 dataset submitted by the end of January did not contain spatial information in sufficient order and quality. The assessment below is based on the interpretation of MD spatial dataset by project's GIS expert.



Account of possible problems

Description
There seem to be a gap in site distribution in the North part of Continental Region and in the borderland between Continental and Steppic Region.

3.10. Are species names used correctly (obvious errors)?

Account of possible problems

Species name	Description
MD0000002	No species name for: A140 (<i>Pluvialis apricaria</i>)

3.11. Are species and habitat codes used correctly (obvious errors)?

Account of possible problems

Feature code	Description
-	OK. Nothing obviously wrong at this stage of evaluation.

3.12. Does each site have at least one feature of Res. 4 and/or Res.6?

Account of possible problems

SITE_CODE	Description
-	OK. Yes, all sites have at least one feature.

3.13. Other useful observations?

Account of possible problems

Description
<p>Database has only 5 fish species records of 3 species in all MD Emerald sites. This group is clearly underrepresented! Neighbouring country Romania has 26 fish species in CON Reference List and 15 species in STE Reference List.</p> <p>Please check also other systematic groups and habitats if all species occurring in MD are in the Reference Database. For example, Romania has 51 habitat in CON and 25 in STE while Moldova has indicated only 17 habitats in CON and 11 in STE. Although Natura 2000 and EUNIS habitats are not 1:1, but this difference is very large. Please check!</p>