

Some History

- ✓ **First version at the time of adoption of the new Resolution CM/ResDip(2008)1**
- ✓ **More elaborated version for the 50-years celebration of the Diploma (Pizza, 2015), including first draft inventory of habitats according to the EUNIS habitat classification and reference to the Biogeographical Regions Map**
- ✓ **2018: request for complete update to each of the site managers using MSAccess data input forms**

All Access Objects

- habitats
 - habitats-2018
 - inetomap
 - map
 - photo
 - RegCod
 - sites**
 - map1
 - nuts
 - photo1
 - sites1
- ### Queries
- map append update
 - photo append update
 - sites append update
 - sites append update with additional fields
 - exporting sites to mapinfo
 - altitude difference
 - habitats number of habitats per site
 - habitats number of sites per EUNIS comp...
 - habitats number of sites per EUNIS level2
 - habitats number of sites per habitat
 - habitats per EUNIS complex
 - habitats per EUNIS habitat level 1
 - habitats per EUNIS habitat level 2
 - habitats with EUNIS title

European Diploma Sites



European Diploma for Protected Areas



Abruzzo, Lazio and Molise National Park

9 = CoE_Number **Site Code:** IT940001

Date Diploma: 27/11/1967 **Date first protection:** 1928 **Compilation Date:** 199703
Date update: 201812

Auth_Nat: Ministry of the Environment
Nature Protection Direction
Via Capitano Bavastro 174
I-00147 Rome

Auth_Reg:

Auth_Loc:

Information: Ente autonomo Parco Nazionale
d'Abruzzo, Lazio e Molise
Viale S. Lucia snc
I-67032 Pescasseroli

CoE contact: Dr.ssa Cinzia Sulli. Email adress:
cinzia.sulli@parcoabruzzo.it

Manager:

Area (ha): **core:** **buffer:** **transition:** **TOTAL:** 50000

Co-ordinates: **Longitude:** E 13 53 0 **Latitude:** N 41 45 0

Altitude: **Minimum:** 900 **Maximum:** 2247 **Mean:**

Site Length (Km):

url official: <http://www.parcoabruzzo.it>

Record: 1 of 73 No Filter Search

All Access Objects

- habitats number of sites per EUNIS level2
- habitats number of sites per habitat
- habitats per EUNIS complex
- habitats per EUNIS habitat level 1
- habitats per EUNIS habitat level 2
- habitats with EUNIS title
- sites changed area percentage
- sites changed site_name
- sites listing
- sites number of EDPA per bioregion
- sites number of sites per country
- sites total area
- calculate decimal degrees

Forms

- Candidature Print Form
- Candidature Form
- european diploma sites
- european diploma sites print form
- habitats
- map
- photo
- REGION CODES

Modules

- Module1
- print field description
- print field names

photo

TYPE: A= Areal, S= Slide

SITECODE	REFNUM	LOCATION	DESCRIPTION	DATE	AUTHOR	REMARK
AT940001	S 1		short distance photo of waterfall			
AT940003	1	Hardegg - NP Thayac	View to the smallest city in Aust			
AT940003	2	Wildcat- NP Thayac	Wildcat in the NP Thayatal			
AT940003	3	Umlaufberg - NP Thc	View to the Umlaufberg in the			
AT940003	4	Nationalparkhaus - N	View to the visitor centre of the			

map

SITECODE	MAP_NO	SCALE	PROJECTION
AT940001	1		
AT940001	2	215000	
AT940003	1	1:5000	DKM (digital cadastral m
BE940001	1	25000	
BG940001	1		
BG940001	2		
CH940001	1		LV95
DE940001	L6944	50000	DHDN_3_Degree_Gaus

Habitats

SITECODE	EUNIS	COVER
AT940001	C2.24	
AT940002	G1	
AT940002	G3	
AT940002	J1	
AT940003	G1	
AT940003	G4	
BE940001	D1.1	90
BG940001	E4.391	0,038
BG940001	E4.3921	1,195
BG940001	E4.3922	0,703

Record: 1 of 113

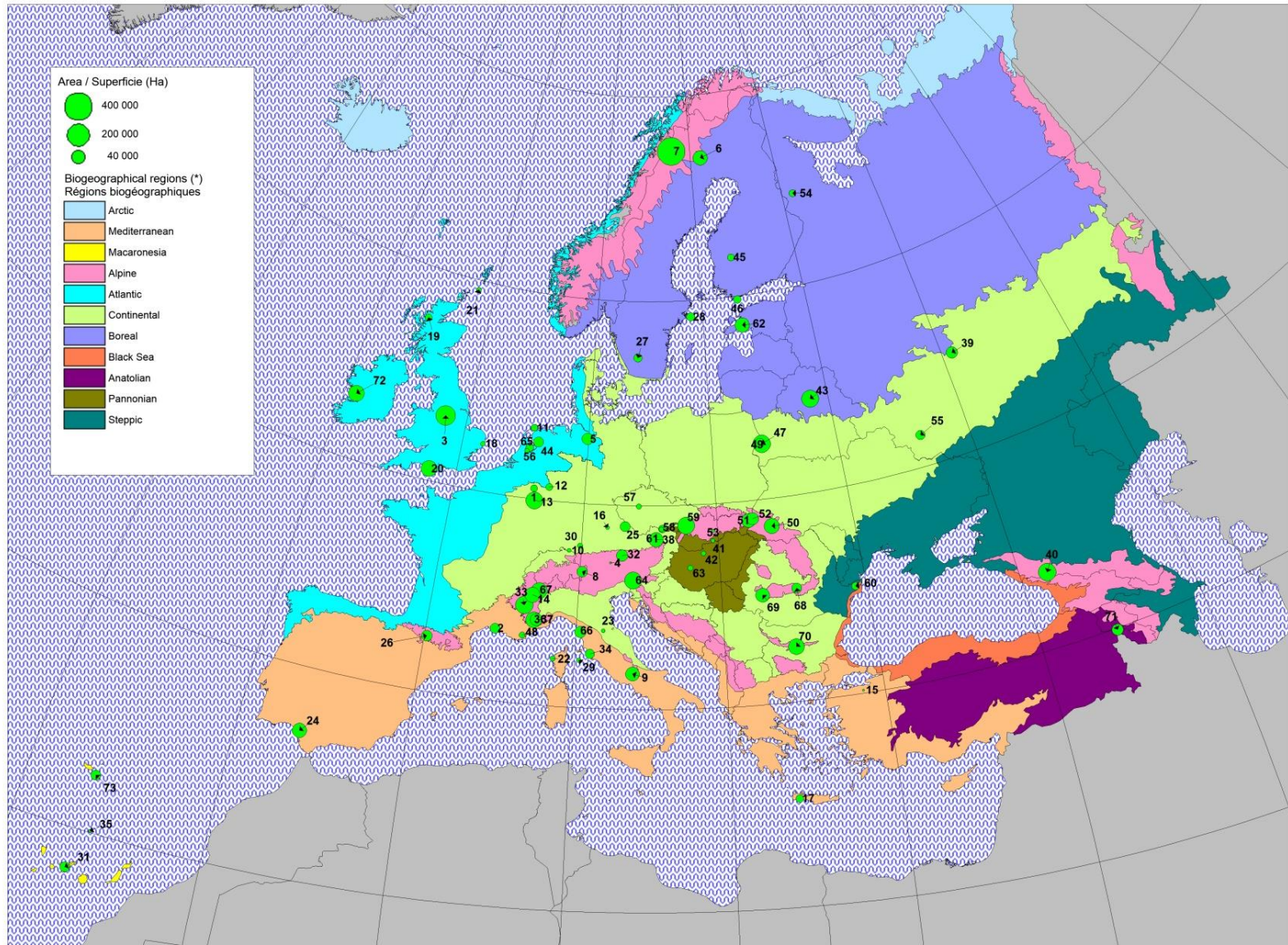
Record: 1 of 912

Form View

Number of ED's per Biogeographical Region

Biogeo Region	Number of Areas
Alpine	20
Anatolian	1
Atlantic	11
Arctic	0
Black Sea	1
Boreal	9
Continental	15
Macaronesia	3
Mediterranean	9
Pannonian	3
Steppic	1

EDPA version 2015



Habitats number of habitats per site

SITECODE	SITE_NAME	Number of Habitats
BG940001	Central Balkan National Park	86
ES940001	Donaña National Park	44
UA940001	Carpathian Biosphere Reserve	44
PL940002	Bieszczady National Park	33
FR940001	Camargue National Reserve	32
UK940004	Peak District National Park	30
UK940005	Purbeck Heritage Coast	28
CZ940001	Karlštejn National Nature Reserve	26
NL940001	Boschplaat Nature Resrve	26
RO940002	Piatra Craiului National Park	26
	... Etc ...	

Number of ED's per EUNIS Habitat level 1

code	Title	Number of sites 2015	Number of sites 2018
A	Marine habitats	10	15
B	Coastal habitats	8	10
C	Inland surface waters	27	41
D	Mires, bogs and fens	28	36
E	Grasslands and lands dominated by forbs, mosses or lichens	39	46
F	Heathland, scrub and tundra	32	39
G	Woodland, forest and other wooded land	52	56
H	Inland unvegetated or sparsely vegetated habitats	24	28
I	Regularly or recently cultivated agricultural, horticultural and domestic habitats	3	7
J	Constructed, industrial and other artificial habitats	2	6
X	Habitat complexes	8	7

Number of ED's per EUNIS Habitat level 2

F	Heathland, scrub and tundra	2015	2018
F1	Tundra	0	0
F2	Arctic, alpine and subalpine scrub	17	19
F3	Temperate and mediterranean-montane scrub	4	14
F4	Temperate shrub heathland	11	14
F5	Maquis, arborescent matorral and thermo-Mediterranean brushes	7	6
F6	Garrigue	0	1
F7	Spiny Mediterranean heaths (phrygana, hedgehog-heaths and related coastal cliff vegetation)	4	3
F8	Thermo-Atlantic xerophytic scrub	0	0
F9	Riverine and fen scrubs	9	11
FA	Hedgerows	0	1
FB	Shrub plantations	0	0

Habitats additional remarks

- ✓ In total 912 habitat records from 417 different habitats
- ✓ Mixed use of the habitat cover field: percentage and absolute value: EDPA standard is percentage, but we might change to absolute value to be in line with Emerald and N2000
- ✓ 2 sites without any habitat mentioned: Khosrov Forest Reserve and Desertas Islands Nature Reserve
- ✓ 3 sites with habitat codes not according to the EUNIS classification version 2015:
 - Use of habitat codes of the EUNIS recent revision
 - Old CORINE codes
 - and additional records without code and not corresponding to any of the EUNIS habitat classes

Altitude difference: highest

Altitude difference	SITECODE	SITE_NAME	ALT_MIN	ALT_MAX
3590	DE940007	Wollmatinger Ried Untersee-Gnadensee Nature Reserve	395	3985
		Error in database		
3292	FR940002	Ecrins National Park	810	4102
3261	IT940007	Gran Paradiso National Park	800	4061
2787	RU940001	Teberda National Biosphere Reserve	1260	4047
2684	SI940001	Triglav National Park	180	2864
2653	FR940006	Mercantour National Park	490	3143
2645	FR940005	Vanoise National Park	1210	3855
		Etc		

altitude difference: lowest

altitude difference	SITECODE	SITE_NAME	ALT_MIN	ALT_MAX
33	EE940001	Matsalu National Park	0	33
32	NL940001	Boschplaat Nature Resrve	0	32
25	UK940003	Minsmere Nature Reserve	1	26
16	IT940006	Regional Park of Migliarino, San Rossore and Massaciuccoli	0	16
11	NL940002	National Park Weerribben-Wieden	-1	10
10	SE940003	Store Mosse National Park	160	170
6,6	FR940001	Camargue National Reserve	-1,8	4,8
3	TR940001	Kuşçenneti National Park	14,5	17,5
0,2	NL940004	Naardermeer Nature Reserve	-1	-0,8

Total Area : 39 sites changed Area

sites area change percentage: increase

SITECODE	SITE_NAME	Area 2018	Area before	%
TR940001	Kuşçenneti National Park	17058	64	26553,13
RU940002	Oka National Biosphere Reserve	1126240	21449	5150,78
PT940001	Selvagens Islands Nature Reserve	9471	269	3420,82
RU940003	Kostomuksha Strict Nature Reserve	92123	4756,9	1836,62
GR940001	Samaria National Park	58484	4850	1105,86
IT940003	Sasso Fratino Integral Nature Reserve	5338	764	598,69
RU940004	Tsentralno-Chernozemny Biosphere Reserve	52216	10280	407,94
	Etc ...			

sites area change percentage: decrease

SITECODE	SITE_NAME	Area 2018	Area before	%
HU940001	Ipolytarnóc Protected Area	510	512	-0,39
NL940001	Boschplaat Nature Resrve	4375	4400	-0,57
DE940002	Berchtesgaden National Park	20802	21000	-0,94
SE940003	Store Mosse National Park	7682	7850	-2,14
PT940002	Desertas Islands Nature Reserve	11457	12586	-8,97
AT940002	Wachau Protected Landscape	21298	46300	-54,00
HU940003	Vulcanic Phenomena of the Tihany Peninsula	670,13	1536,33	-56,38

Site Name : 6 sites changed

SITECODE	SITE_NAME 2018	SITE_NAME 2015
PT940002	Desertas Islands Nature Reserve	Desertas Nature Reserve
TR940001	Kuşçenneti National Park	Kuşçenneti National Park
IT940004	Ente Parco Regionale della Maremma	Maremma Nature Park
GR940001	Samaria National Park	Cretan White Mountains National Park
SE940002	Sarek and Padjelanta/Badjelánnda National Parks	Sarek and Padjelanta National Parks
SE940001	Muddus/Muttos National Park	Muddus National Park

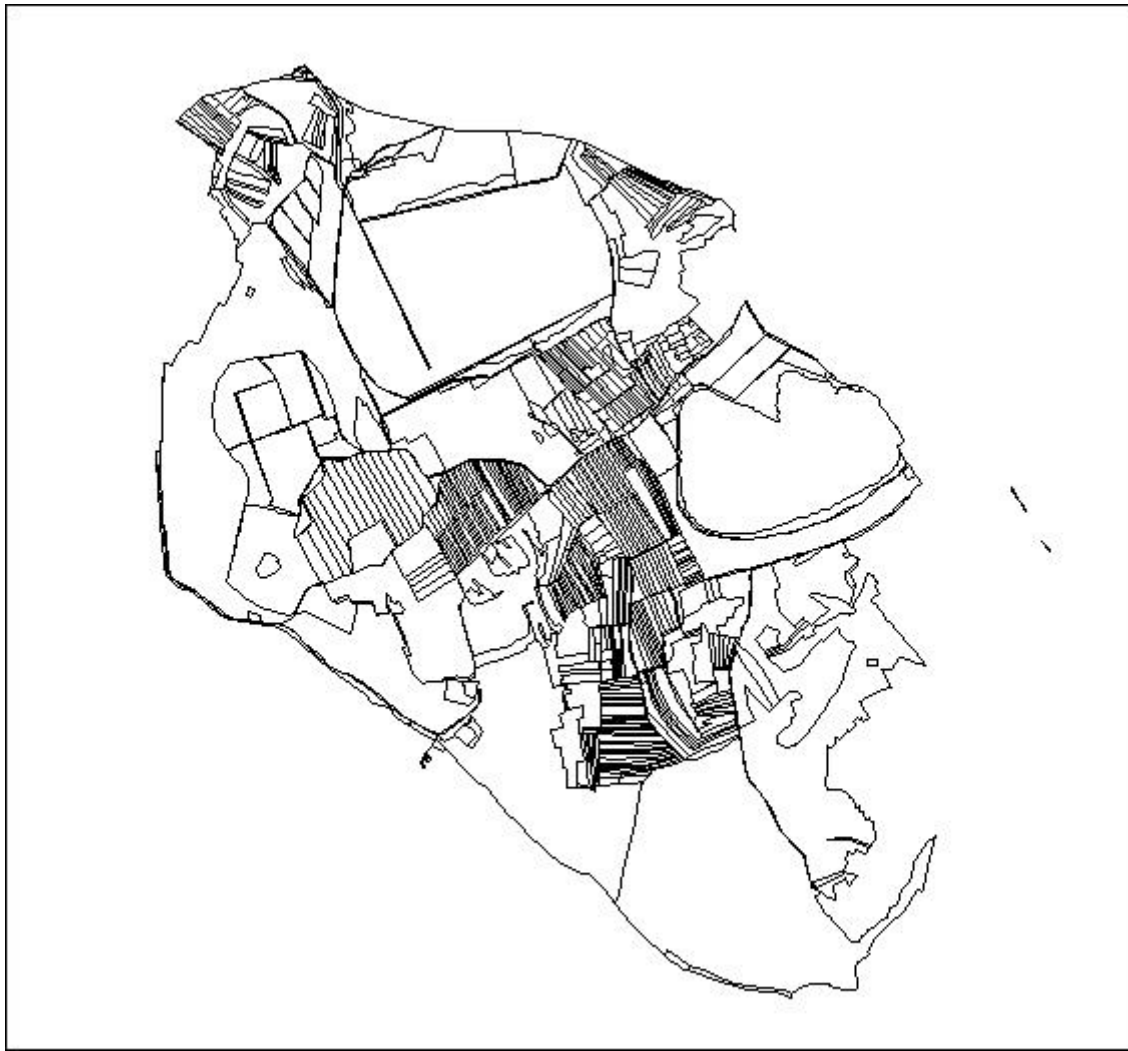
Site boundaries

- ✓ **Crucial for the management of the Network but also for International Data Integration**
- ✓ **Area of the polygon should correspond to the Area given in the tabular data**
- ✓ **31 sites delivered a GIS boundary file, of which 22 could be integrated towards European standards**
- ✓ **9 sites could not be converted, mainly due to missing attribute files, such as the projection**
- ✓ **6 more sites delivered only “bitmaps”, such as jpeg, tiff and pdf. They are not convertible to GIS**

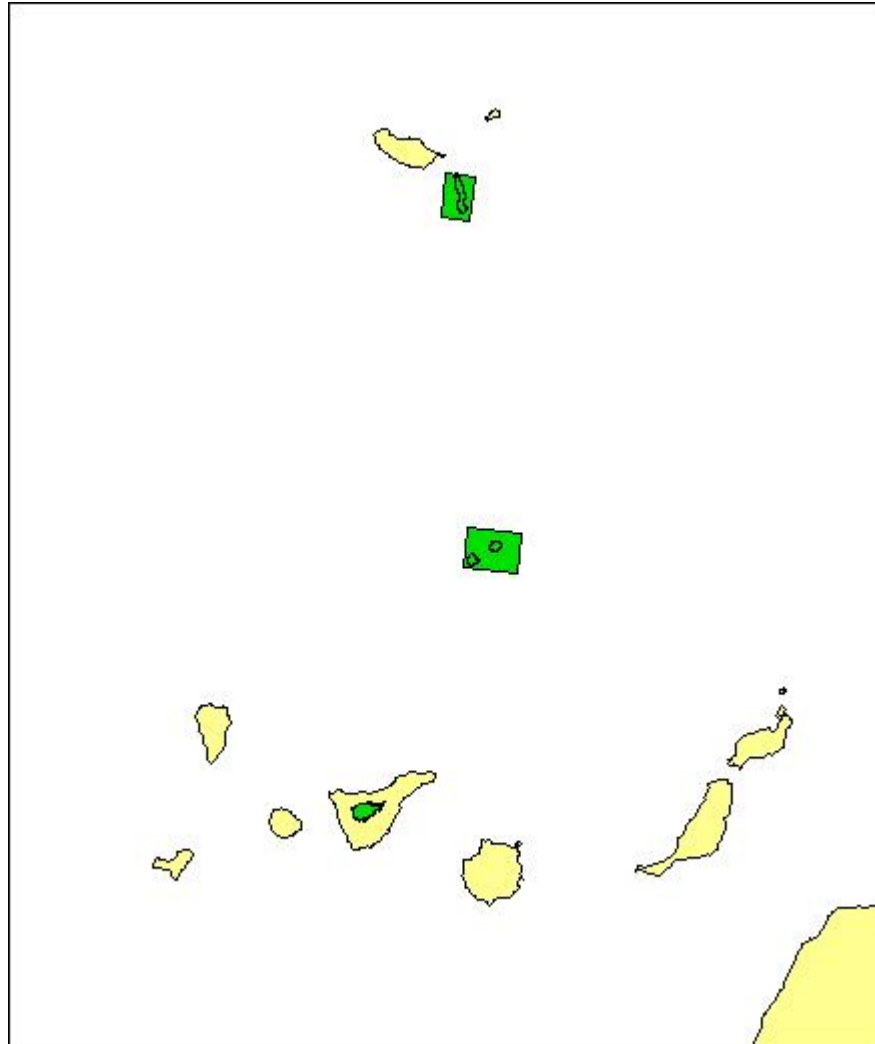
Site boundaries

- ✓ **2 sites only delivered site boundaries, no tabular data**
- ✓ **Multipolygon for Sarek/Padjelanta (2 NP's combined in one diploma**
- ✓ **Some areas reported not only the site boundary, but also additional layers such as zoning, ownership of parcels etc ...**
- ✓ **This is interesting but requests extra data handling when viewing the site boundaries.**
- ✓ **Non of the polygons include the Sitecode, which is the key field in the EDPA database**

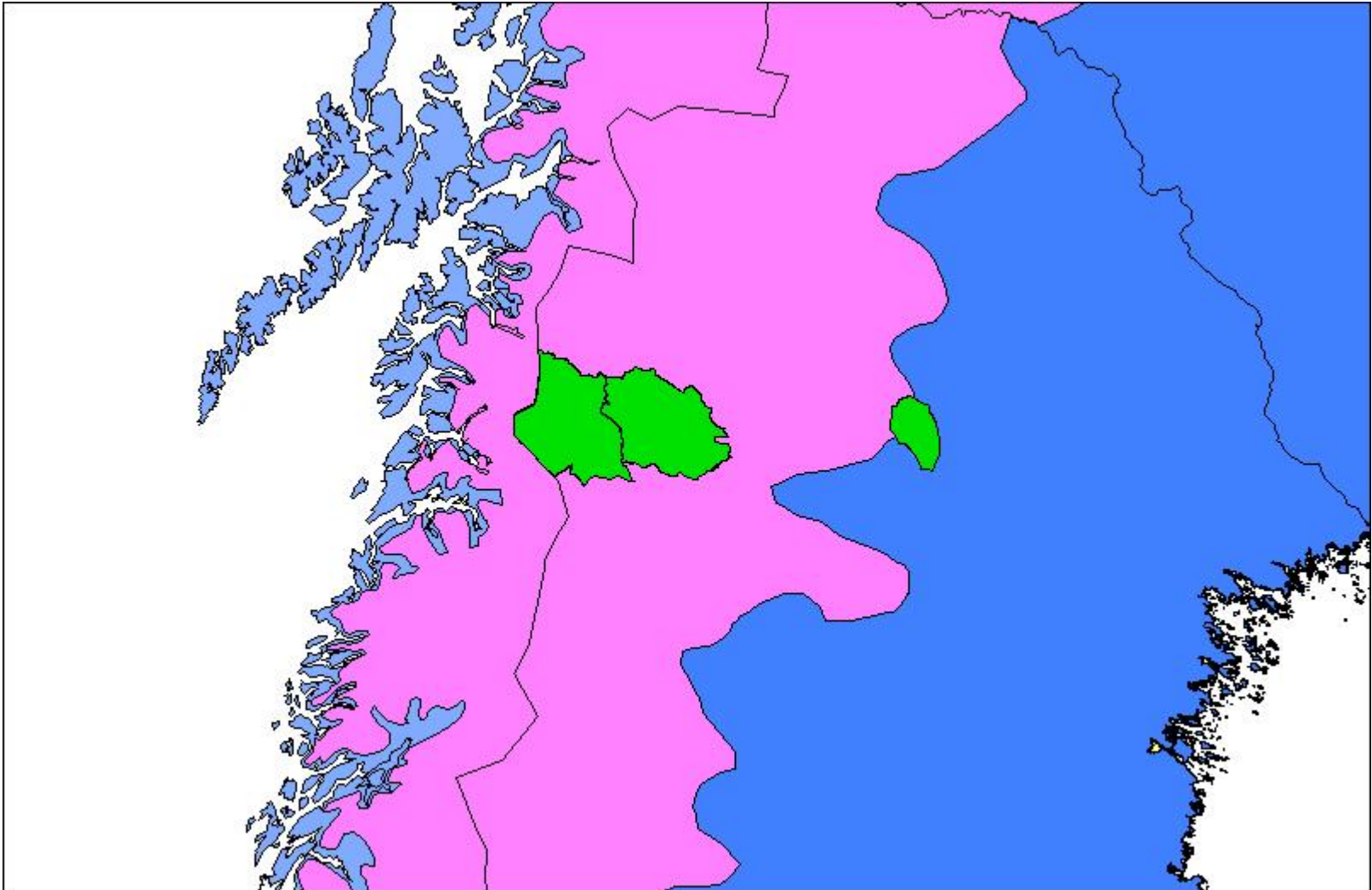
e.g. Tihany Peninsula



e.g. Macaronesia (no site in the Azores)



e.g. Scandinavia with biogeographical regions



Sharing Information

2 main “clients” or “data recievers”

- <https://eunis.eea.europa.eu/>
- <https://www.protectedplanet.net/>

Bern Convention in the EUNIS information system

Browser window showing the EUNIS (European Nature Information System) website. The address bar displays <https://eunis.eea.europa.eu/>. The page title is "EUNIS - Welcome to EUNIS ...".

The website header includes navigation links: EUNIS Home, Species, Habitat types, Sites, Global queries, References, and About EUNIS.

Welcome to EUNIS, the European Nature Information System


Find species, habitat types and protected sites across Europe

Species [Search](#)
Information about species in Europe, particularly species mentioned in legal texts [Search tools](#)

Habitat types [Search](#)
Information about the EUNIS habitat classification and the EU Habitats Directive Annex I habitat types [Search tools](#)

Sites [Search](#)
Information about protected and other designated sites in Europe [Search tools](#)


Combined search
Advanced cross-search tool, linking species, habitat types and sites



Bern Convention in the “legal instruments” section

Browser address bar: <https://eunis.eea.europa.eu/species.jsp> | EUNIS -Species database | Protected Planet


Bestand Bewerken Beeld Favorieten Extra Help


Topics Countries Data and maps Indicators Publications Media About us The EEA is an agency of the European Union 

EUNIS Home Species Habitat types Sites Global queries References About EUNIS





Species search


Access information about species in Europe, particularly species mentioned in legal texts


Search species by code or names starting with: **Search** 

Predefined searches 


A set of predefined functions to search the database

 Names	Search species by scientific name (in Latin) or by common name (popular name)
 Groups	Species & subspecies by Group (Invertebrates, Mammals etc.)
 Legal Instruments	Species protected by legal texts at European level
 Taxonomic classification	Taxonomic classification for species

Advanced search 

Downloads 

Browser address bar: <https://eunis.eea.europa.eu/species-legal.jsp>

Windows taskbar:  19:22 4/03/2019



Species referenced by international legal instruments

(ex.: search **Mammals** referenced by the **ANNEX II - Bern Convention legal text**)

Search will provide the following information (checked fields will be displayed):

☒ Scientific name ☒ Group ☒ legal text ☒ Abbreviation ☒ Comment ☒ Url

◆ Group

Please select a group 

International Legal Instruments

Legal texts by selected species

(ex.: search legal information mentioning **Alopex lagopus** from **Mammals** group)



Species referenced by international legal instruments

(ex.: search **Mammals** referenced by the **ANNEX II - Bern Convention legal text**)

Search will provide the following information (checked fields will be displayed):

☒ Scientific name ☒ Group ☒ legal text ☒ Abbreviation ☒ Comment ☒ Url

◆ Group Amphibians

and

◆ legal text

Please select a legal text

Any legal text
Bern Convention Annex II
Bern Convention Annex III
Bern Convention R6
CITES Appendix I
EU Habitats Directive Annex II
EU Habitats Directive Annex IV
EU Habitats Directive Annex V
EU regulation of trade of fauna and flora Annex D

International Le

Legal texts by selected species

(ex.: search legal information mentioning **Alopex lagopus** from **Mammals** group)

Resolution 4 habitats specific section in EUNIS

Browser address bar: <https://eunis.eea.europa.eu/habitats.jsp> | EUNIS -Habitat types search | Protected Planet

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Habitat types search

Access information about the EUNIS habitat classification and the EU Habitats Directive Annex I habitat types

Search habitat types by code or names starting with: **Search** ?

Predefined searches ▾

A set of predefined functions to search the database

▣ Names and descriptions	Search habitat types by name or description
▣ Legal instruments	Search EUNIS habitat types under legal designation at European level
▣ Key navigation	Identify a habitat type following questions and graphical schemas
▣ EUNIS habitat types hierarchical view	Visualisation of EUNIS habitat types classification
▣ EUNIS habitat types hierarchical view, REVISED	Visualization of revised groups of EUNIS habitat type classification
▣ ANNEX I habitat types hierarchical view	Visualisation of Habitats Directive Annex I habitat types (Natura 2000 network)
▣ Resolution 4 habitat types hierarchical view	Visualisation of Bern Convention Resolution 4 habitat types (Emerald network)

Advanced search <

Downloads <

Windows taskbar: 19:31 4/03/2019

European Diploma in the Advanced search section in EUNIS

Browser address bar: <https://eunis.eea.europa.eu/sites-advanced.jsp>

Navigation menu: Topics Countries Data and maps Indicators Publications Media About us

The EEA is an agency of the European Union

EUNIS Home Species Habitat types Sites Global queries References About EUNIS

Sites advanced search

Search sites using complex filtering capabilities
Specify the search criteria:

All of following criteria are met::

Name Equal enter value here...

Select data set:	<input type="button" value="Select all"/>	<input type="button" value="Select none"/>
<input checked="" type="checkbox"/> Natura 2000	<input checked="" type="checkbox"/> Nationally designated areas (CDDA)	
<input checked="" type="checkbox"/> European Diploma		

Note: Advanced search might take a long time
Calculated search criteria expression: (1)

Windows taskbar: 19:32 4/03/2019

Conclusions & Recommendations

- ✓ The EDPA database has significantly improved thanks to the updating process using a “low budget” MSAccess data entry system (For some areas, an alternative was given using MSWord)
- ✓ Need to relaunch the updating process, especially for Areas not having replied and/or did not sent GIS boundary information
- ✓ The link with the biogeographical regions map and the EUNIS habitat classification must admit to better identify gaps in the EDPA Network.
- ✓ Only ask site outer boundary, without any additional layers
- ✓ Sitecode should be added to the polygons
- ✓ Consider a regular updating possibility in line with the EDPA renewal system