

Project CB005.1.12.135 : Preparation and promotion of the process of development of European ecological network NATURA2000 in Istranca Mountain

Activity1: Demonstration of process for designation of NATURA 2000
sites in Istranca.

What is NATURA 2000, concept and structures

Presented by Simeon Marin – expert on birds, habitats, zoology in general and Natura 2000 expert.

25 – 26 October 2017, Turkey, Demirkoy.

Nature protection in EU:

- In April 1979, the 'Birds Directive' (79/402/EEC later 2009/147/EC) was the first EU law designed to preserve bird species and their natural environment.
- This was extended to cover a broad range of habitats and other species by the 'Habitats Directive' (92/43/EEC) in 1992.
- Both these Directives aim to contribute to the protection of biodiversity by setting up a European ecological network of protected areas called Natura 2000.
- The creation of the Natura 2000 network is '*the cornerstone of Community nature conservation policy*'.
- Object of conservation in Natura 2000 are habitats and species listed in certain annexes of both Directives



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Habitats Directive (92/43/EEC)

- The Habitats Directive (92/43/EEC) can be split up into 3 different chapters.
- The first chapter:
 - sets out the aim of the Directive: *'To contribute towards ensuring biodiversity through the conservation of natural habitats and of wild fauna and flora in the European territory of the Member States to which the Treaty applies'*.
 - provides a general course for the measures that need to be designed and that are necessary to maintain or restore certain habitats and species *'at a favourable conservation status'* (Article 2(2))
 - At the same time, these measures must also *'take account of economic, social and cultural requirements and regional and local characteristics'* (Article 2(3)).

The favourable conservation status is defined by Article 1(e) for natural habitats and Article 1(i) for species.

- **The conservation status for natural habitats is favourable when:**
 - Its natural range and areas it covers within that range are stable or increasing;
 - The specific structure and functions, which are necessary for its long-term maintenance exist and are likely to exist for the foreseeable future;
 - The conservation status of its typical species is favourable.

The conservation status for a species it is favourable when:

- The population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats;
- The natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future;
- There is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis.

Chapter 2 is entitled ‘Conservation of natural habitats and habitats of species’

It comprises Articles 3 to 11 inclusive.

These Articles set out the provisions and requirements for the establishment and conservation of the Natura 2000 network.

Within this chapter Article 6 is of specific interest, since it sets the provisions that govern the conservation and management of Natura 2000 sites.



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Chapter 3 is entitled ‘protection of species’

- It comprises Articles 12 to 16 inclusive.

These Articles set out provisions for protection measures of strictly protected animal and plant species listed in Annex IV of the Habitats Directive.

This is necessary to provide protection for those species outside of the Natura 2000 network that would therefore not benefit from the provisions of Article 6.

Article 12, 13 and 14 cover certain plant and animal species listed in Annex II of the Directive, which benefits from both the provisions of Article 6 within the Natura 2000 sites hosting them as well as from the provisions of Articles 12, 13 or 14.

Birds Directive 2009/147/EC (prev. 79/409/EEC)

- **The scheme of the Birds Directive is broadly comparable with that of the Habitats Directive, although the Birds Directive is not divided into chapters. In particular the ‘Conservation of natural habitats and habitats of species’ chapter of the Habitats Directive has its parallel in Articles 3 and 4 of the Birds Directive.**
- **There is a large degree of overlap between the schemes of both Directives.**

Birds Directive (2009/147/EC)

- Firstly, SPAs classified under the Birds Directive have now been integrated in the Natura 2000 network. Article 3(1) of the Habitats Directive provides that *'the Natura 2000 network shall include the special protection areas classified by the Member States pursuant to Directive 2009/147/EC '*.
- Secondly, the provisions of Article 6(2), (3) and (4) of the Habitats Directive have been made applicable to SPAs (Art. 7 Habitats Directive).

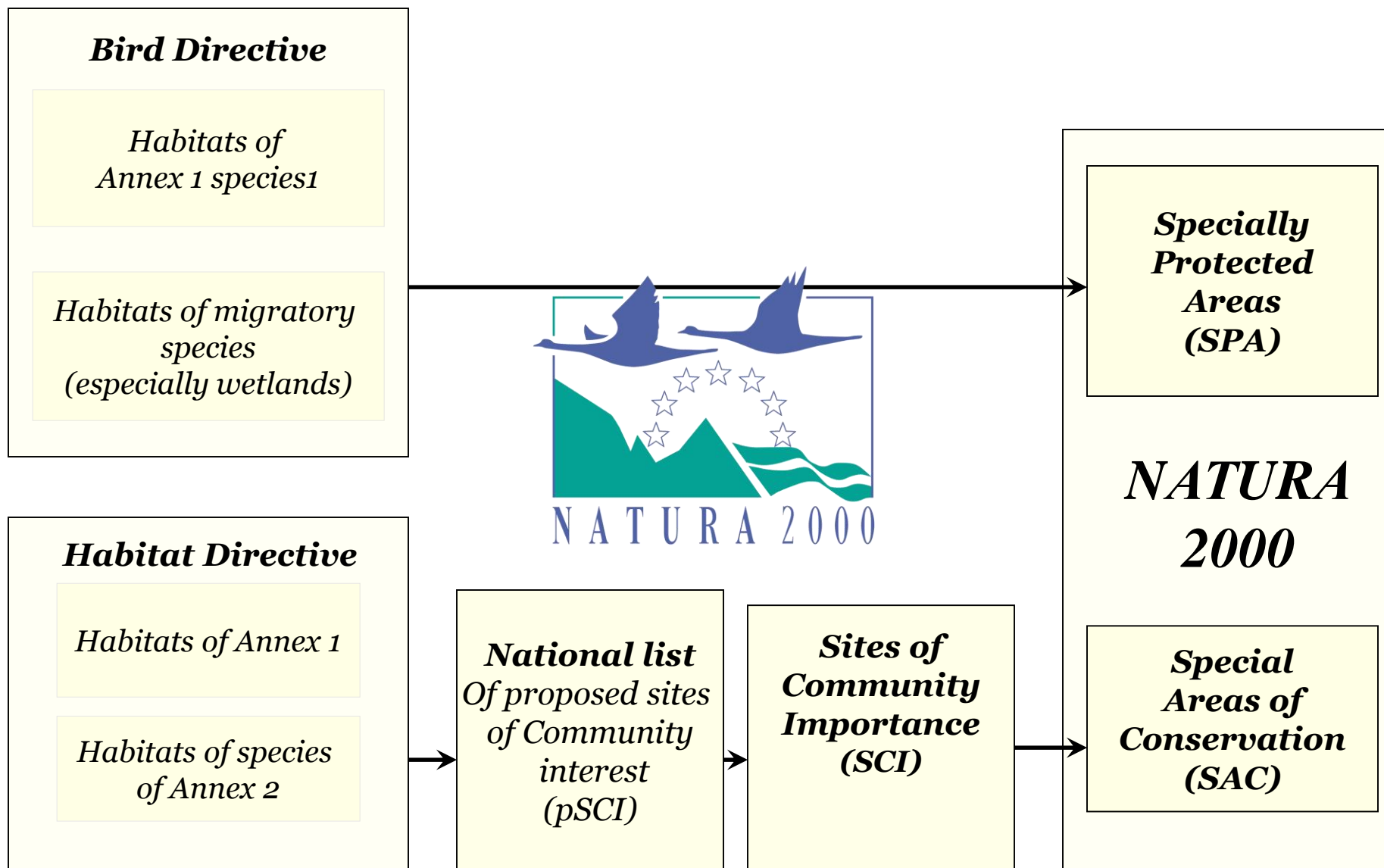
Provisions for SPAs analogous to those of Article 6(1) are provided for by Article 4(1) and (2) of the Birds Directive.

Process of establishment

- Under the Birds Directive Special Protection Areas (SPAs) are selected. These sites instantly belong to the Natura 2000 network after notification to the European Commission.
- In contrast, the designation of Special Areas of Conservation (SACs) under the Habitats Directive takes place in three steps:
 - During Step 1, the EU Member State or candidate country submits a list of proposed sites of community importance (pSCIs) to the European Commission. For each pSCI a standard EU data form needs be filled in, specifying why the site is proposed.
 - Following the submission of this list, in step 2, the European Commission assesses whether the proposed sites are in accordance with Article 4(2) of the Habitats Directive. This assessment is a Community-level assessment based upon the biogeographic regions within the EU. Depending on the biogeographic coverage of the list of sites, the EC may request a country to submit additional sites. The outcome of this assessment is the adoption of a list of sites of community importance (SCIs).
 - Step 3 involves the designation of SCIs as SACs. This must take place within a period of 6 years.



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Natura 2000 EU Reference list:

195 bird species of Annex I of Bird Directive + migrating birds species

231 habitats of Habitat Directive

911 species /324 animal and 587 plant species/, of Annex II of Habitat Directive:

- 54 mammals
- 24 reptiles
- 25 amphibians
- 85 fish
- 136 invertebrates
- 587 plants

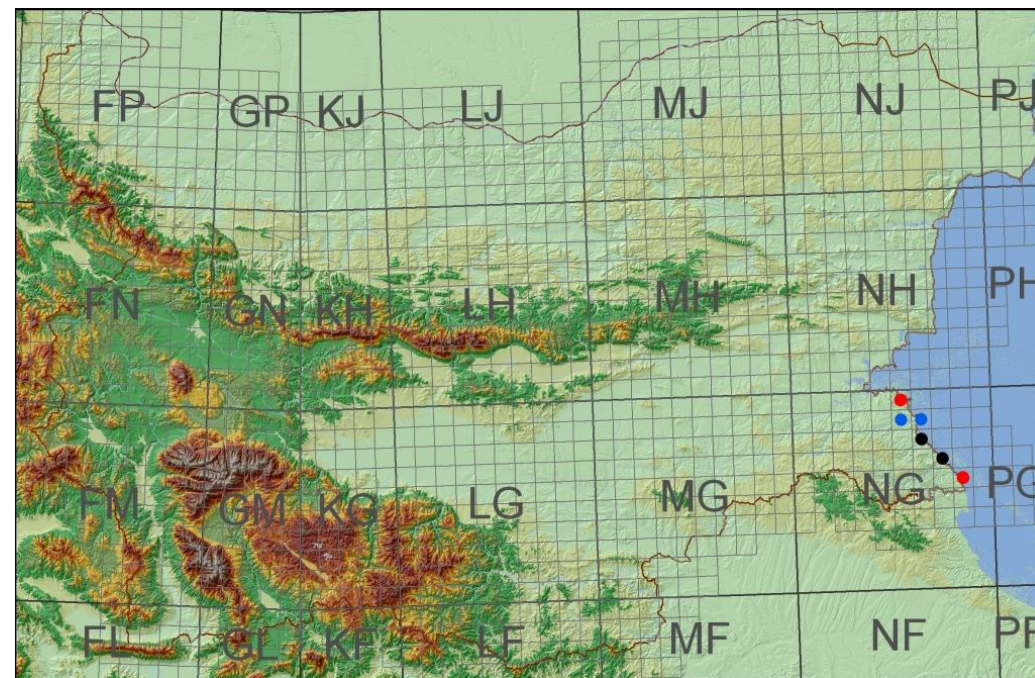
Actual data January 2007

New Turkish habitats/species in the Natura 2000 reference lists?

Yes, but very difficult! *Platyceps collaris* (Muller, 1878)



195 bird species



Source: Map: Beshkov, V. 2011. Red Data Book of Bulgaria.

Picture: Deyan Duhalov.

***Platyceps collaris* (Muller, 1878)**
is a good candidate!

European Habitats Manual

https://biodiversity.eionet.europa.eu/activities/Natura_2000/chapter6

INTERPRETATION MANUAL OF EUROPEAN UNION HABITATS, EUR 28, April 2013

http://ec.europa.eu/environment/nature/legislation/habitatsdirective/docs/Int_Manual_EU28.pdf

- Criteria used for site evaluation are based on some general principles provided by the European Commission

https://bd.eionet.europa.eu/activities/Natura_2000/pdfs/sufficiency_criteria.pdf

Marine guidelines

- Guidelines for the establishment of the Natura 2000 network in the marine environment

http://ec.europa.eu/environment/nature/natura2000/marine/docs/marine_guidelines.pdf



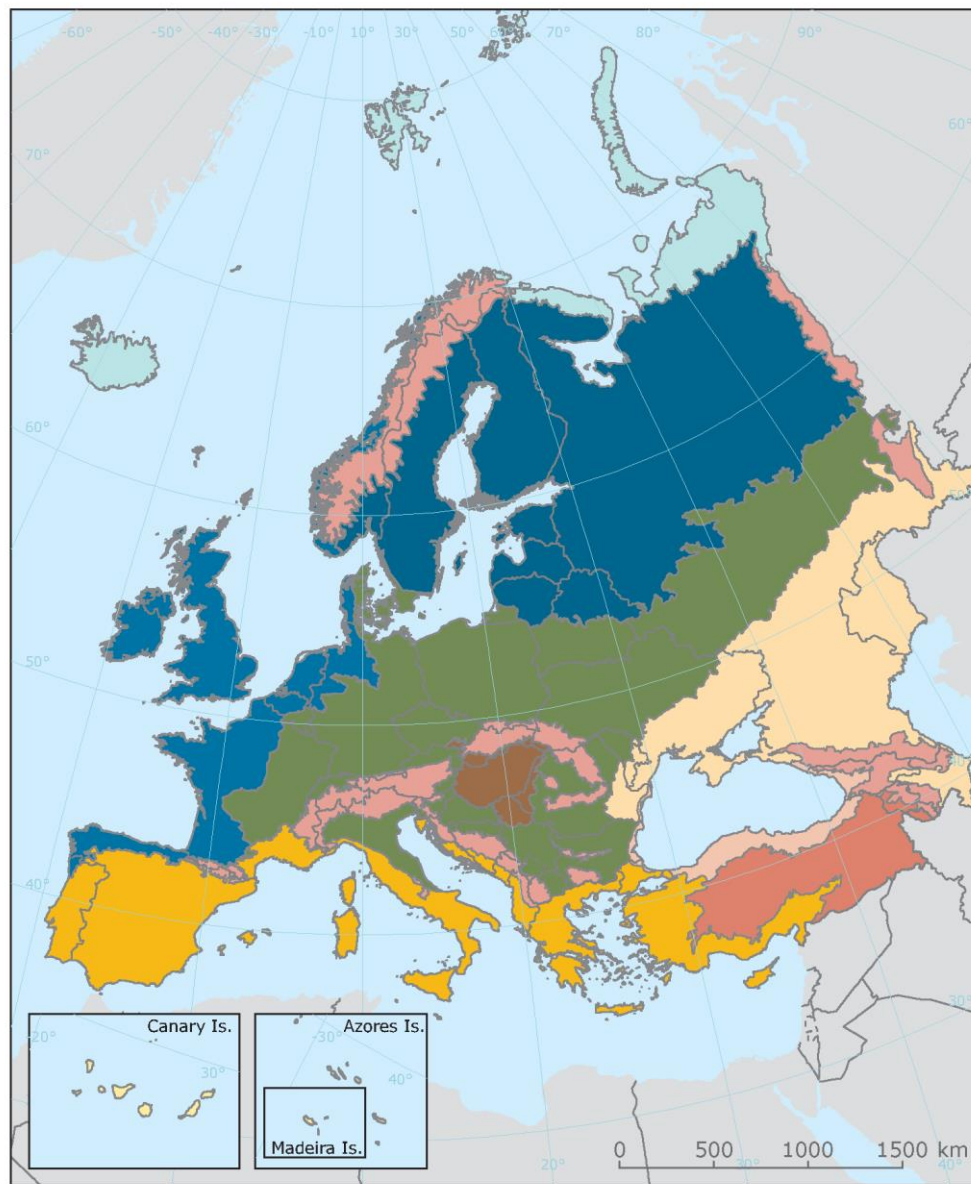
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Meetings/Biogeographical Seminars

- Criteria for assessing sufficiency of sites designation for habitats listed in annex I and species listed in annex II of the Habitats Directive.
- https://biodiversity.eionet.europa.eu/activities/Natura_2000/pdfs/further_adapted_criteria.pdf

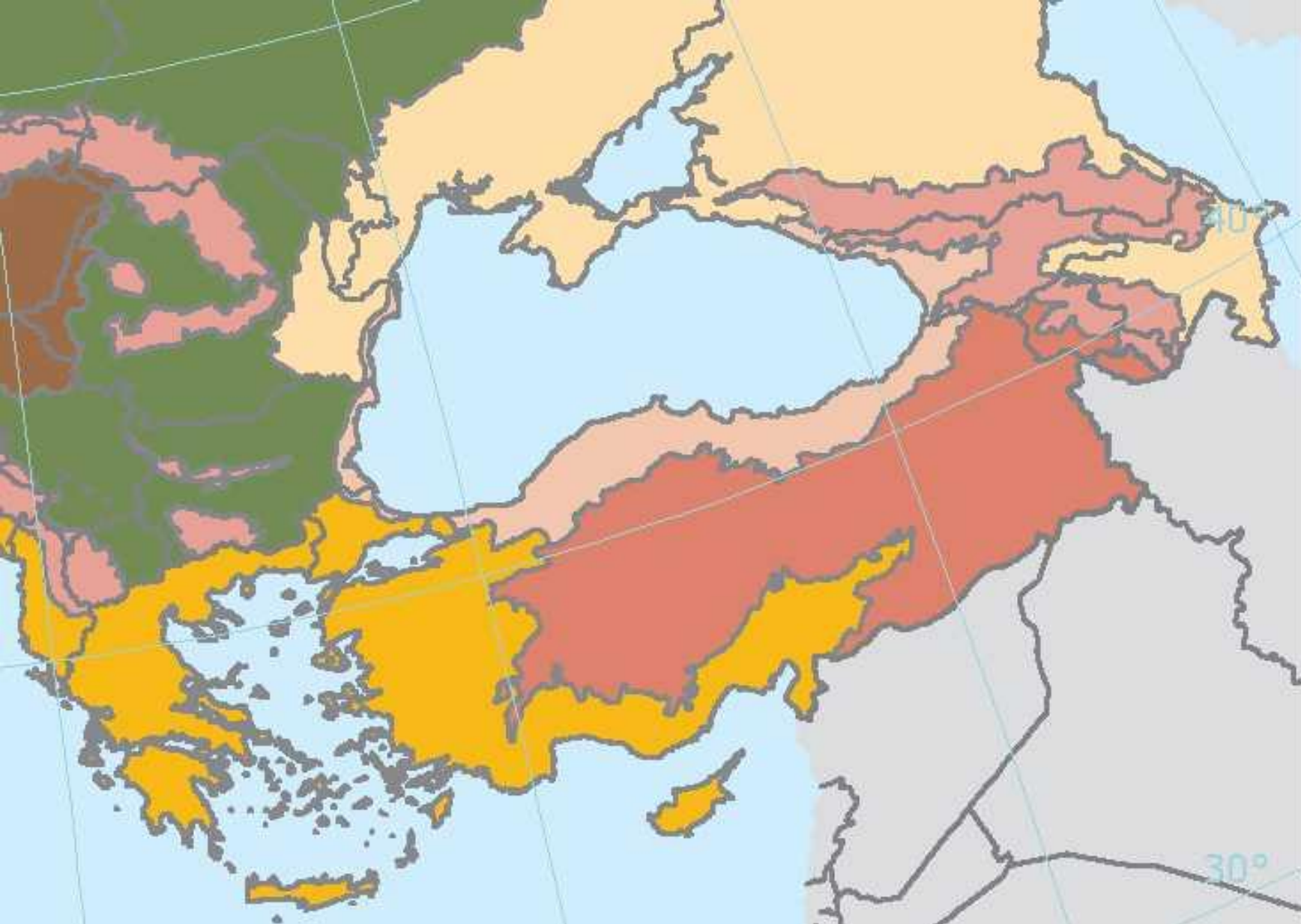


Biogeographical regions in Europe, 2016

- Alpine
- Anatolian
- Arctic
- Atlantic
- Black Sea
- Boreal
- Continental
- Macaronesia
- Mediterranean
- Pannonian
- Steppic
- Outside data coverage

Biogeographical regions in Turkey ETC/ BNP version, 2016

**Criteria for assessing
sufficiency of sites
designation for habitats
listed in annex I and
species listed in annex II
of the Habitats Directive.**



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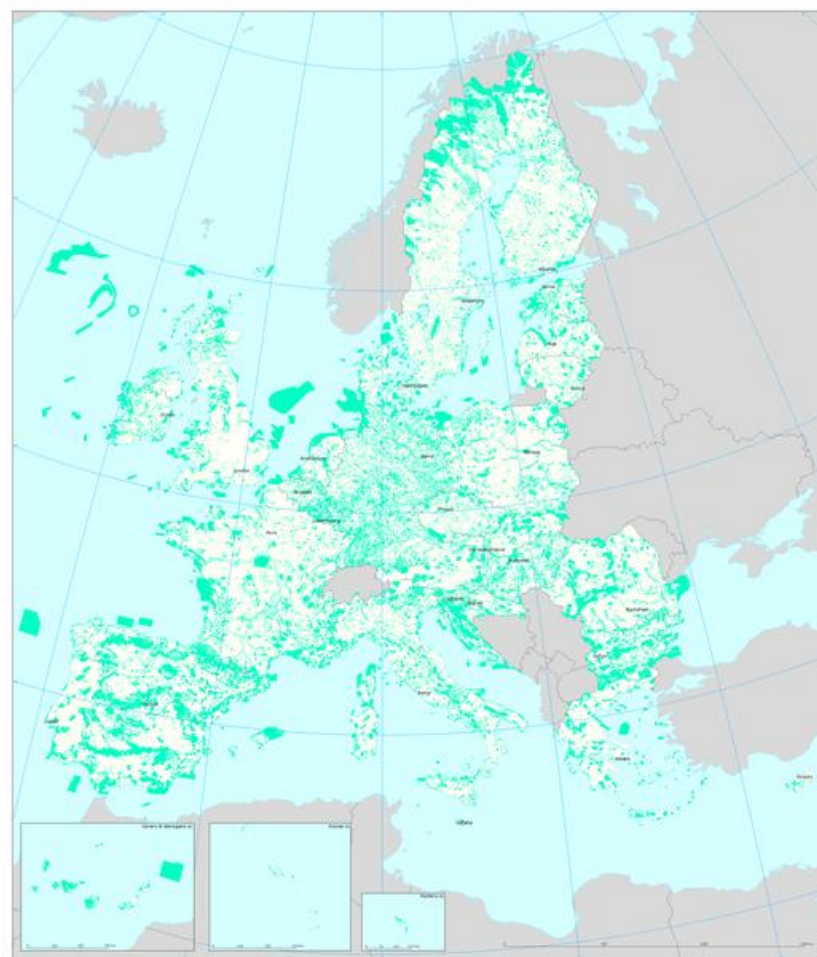


NATURA 2000 - EUROPEAN UNION
Birds Directive sites (SPA)

European Environment Agency



Map of Europe showing Natura 2000 sites designated under the Birds Directive (SPA). The map is based on data from the European Environment Agency (EEA) and the European Commission (EC). The map is not a scale map and does not represent the official position of the EEA or the EC. It is for information only.

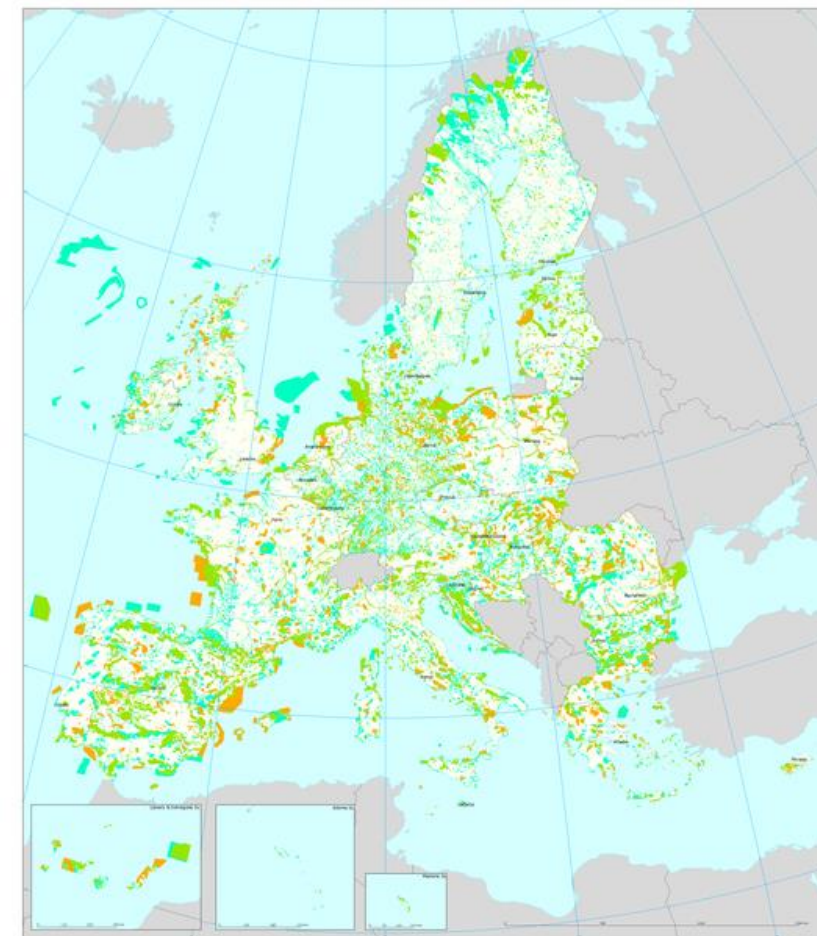


NATURA 2000
Habitats Directive sites pSCL, SCI, SAC

European Environment Agency



Map of Europe showing Natura 2000 sites designated under the Habitats Directive (pSCL, SCI, SAC). The map is based on data from the European Environment Agency (EEA) and the European Commission (EC). The map is not a scale map and does not represent the official position of the EEA or the EC. It is for information only.



NATURA 2000
Birds Directive sites (SPA)
Habitats Directive sites pSCL, SCI, SAC
Sites - or parts of sites - belonging to both Directives

European Environment Agency



Map of Europe showing Natura 2000 sites designated under both the Birds Directive (SPA) and the Habitats Directive (pSCL, SCI, SAC). The map is based on data from the European Environment Agency (EEA) and the European Commission (EC). The map is not a scale map and does not represent the official position of the EEA or the EC. It is for information only.



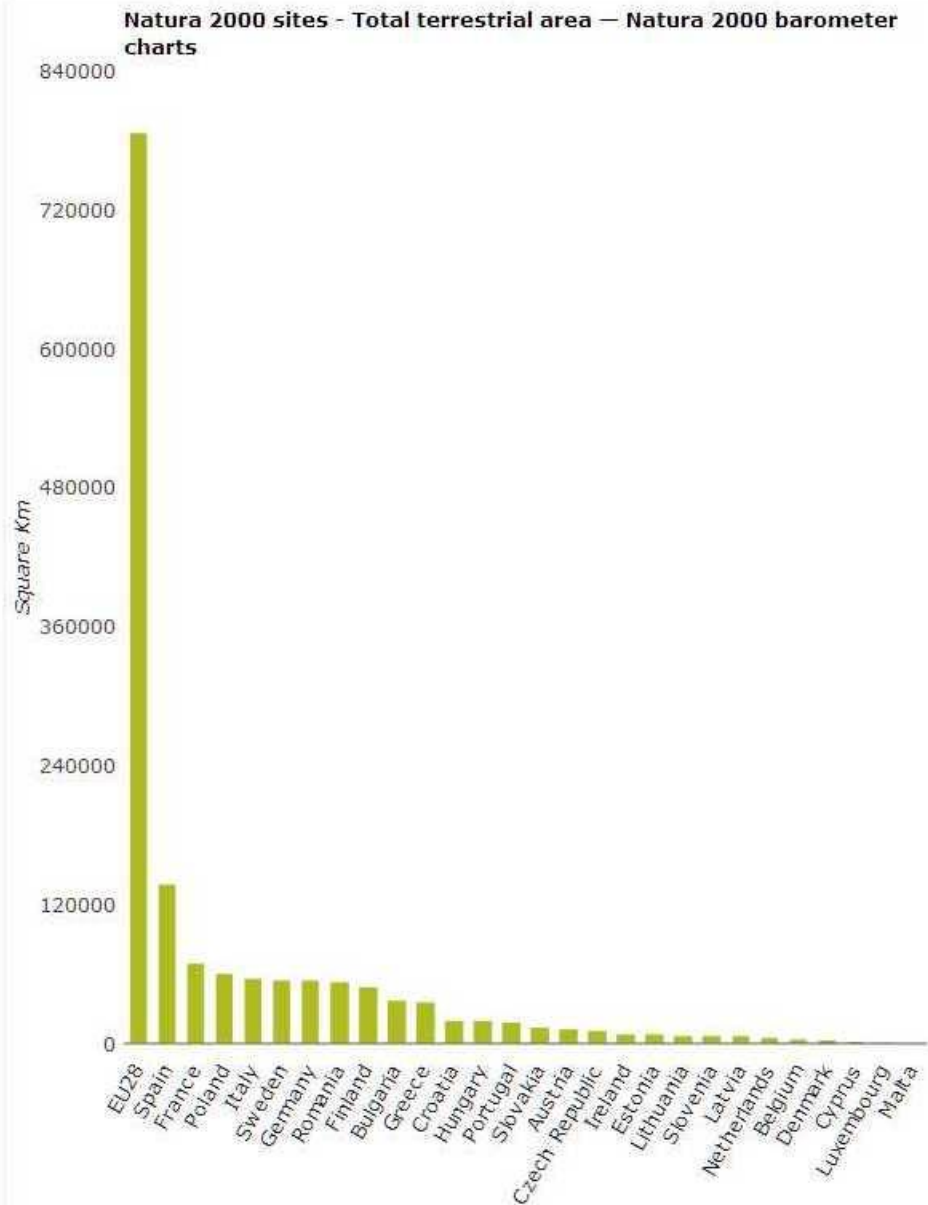
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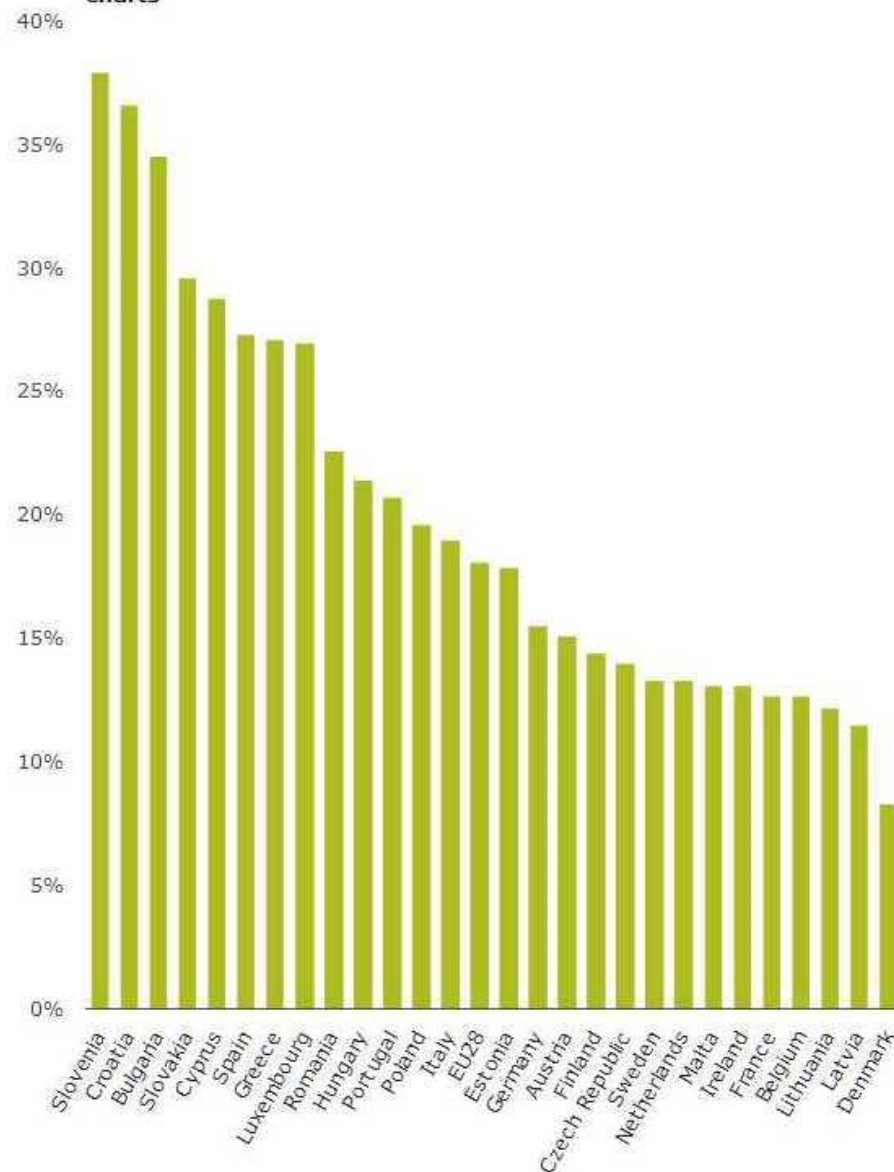


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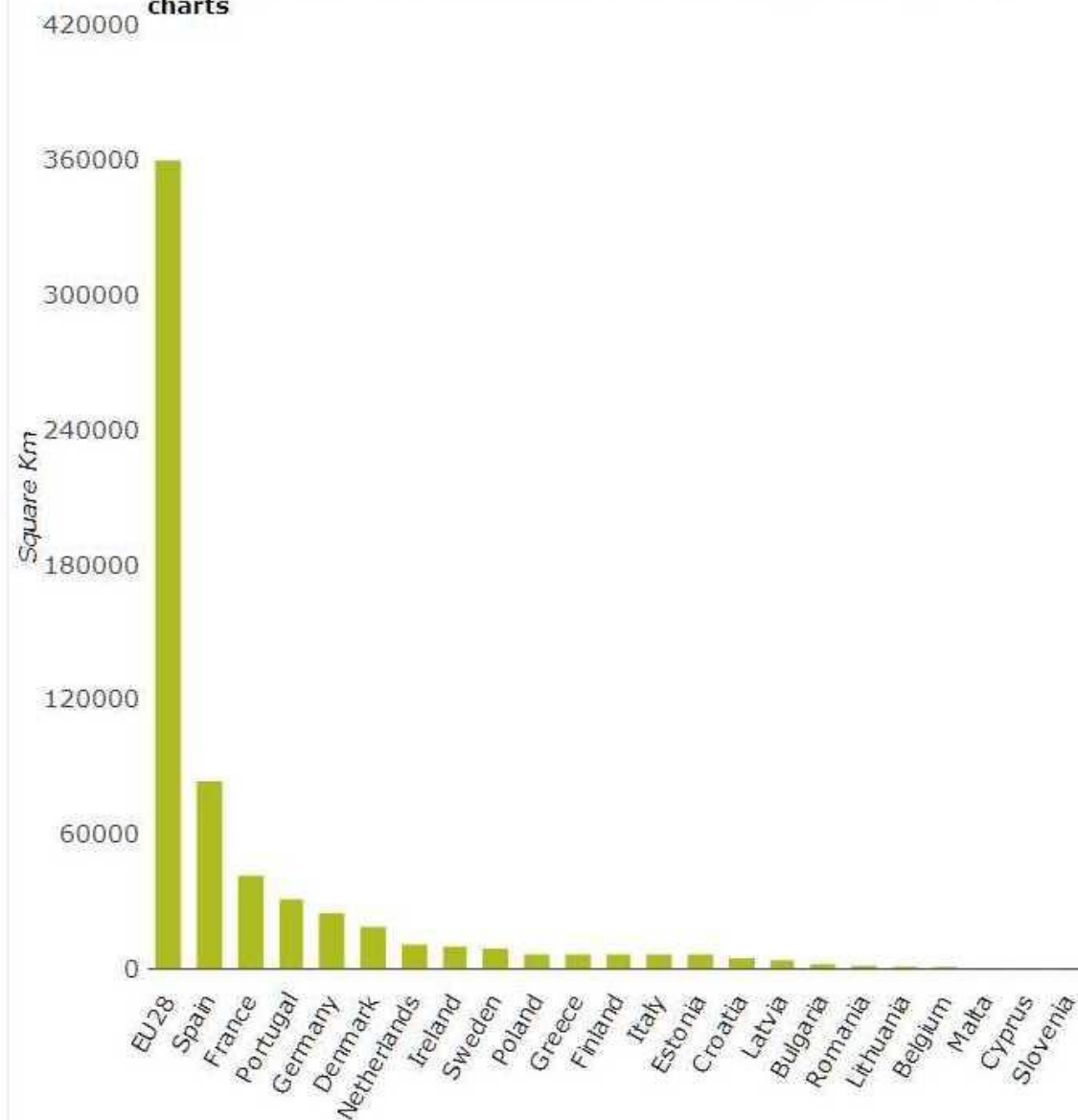
Member State	Terrestrial Area in sq
EU28	787
Spain	137
France	69
Poland	61
Italy	57
Sweden	55
Germany	55
Romania	53
Finland	48
Bulgaria	38
Greece	35
Croatia	20
Hungary	19
Portugal	19
Slovakia	14
Austria	12
Czech Republic	11
Ireland	9
Estonia	8
Lithuania	7
Slovenia	7
Latvia	7
Netherlands	5
Belgium	3
Denmark	3
Cyprus	1
Luxembourg	
Malta	

Natura 2000 sites - Terrestrial percentage — Natura 2000 barometer charts



Member State	Terrestrial Percentage
Slovenia	37,
Croatia	36,
Bulgaria	34,
Slovakia	29,
Cyprus	28,
Spain	27,
Greece	27,
Luxembourg	2
Romania	22,
Hungary	21,
Portugal	20,
Poland	19,
Italy	1
EU28	18,
Estonia	17,
Germany	15,
Austria	15,
Finland	14,
Czech Republic	1
Sweden	13,
Netherlands	13,
Malta	13,
Ireland	13,
France	12,
Belgium	12,
Lithuania	12,
Latvia	11,
Denmark	8,

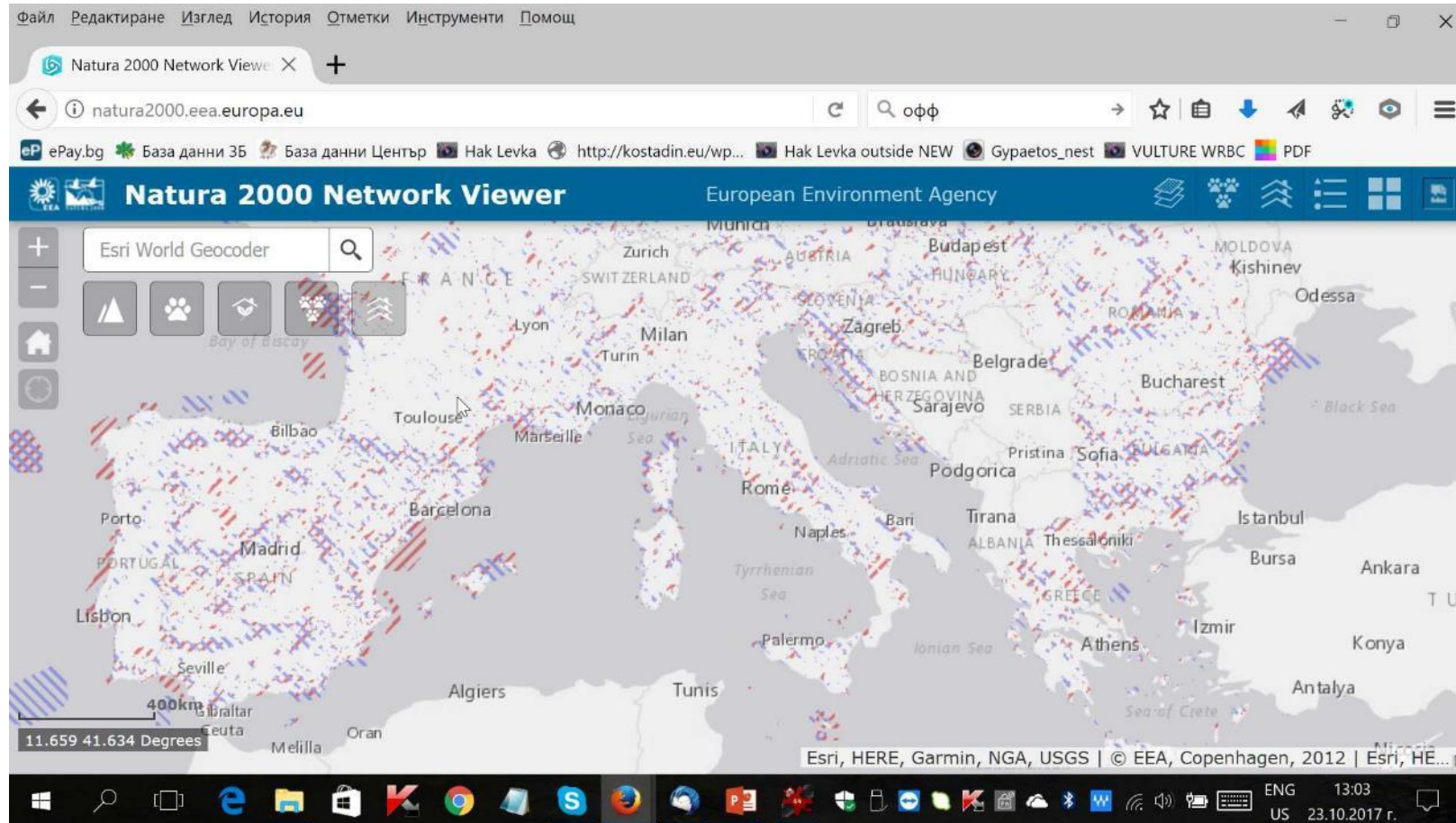
Natura 2000 sites - Total marine area — Natura 2000 barometer charts



Member State	Marine Area in sq Km
EU28	360 350
Spain	84 386
France	41 703
Portugal	31 885
Germany	25 603
Denmark	19 053
Netherlands	11 797
Ireland	10 259
Sweden	9 328
Poland	7 236
Greece	7 199
Finland	7 140
Italy	6 793
Estonia	6 754
Croatia	4 986
Latvia	4 387
Bulgaria	2 827
Romania	1 894
Lithuania	1 310
Belgium	1 271
Malta	192
Cyprus	131
Slovenia	11

Natura 2000 viewer

<http://natura2000.eea.europa.eu/>



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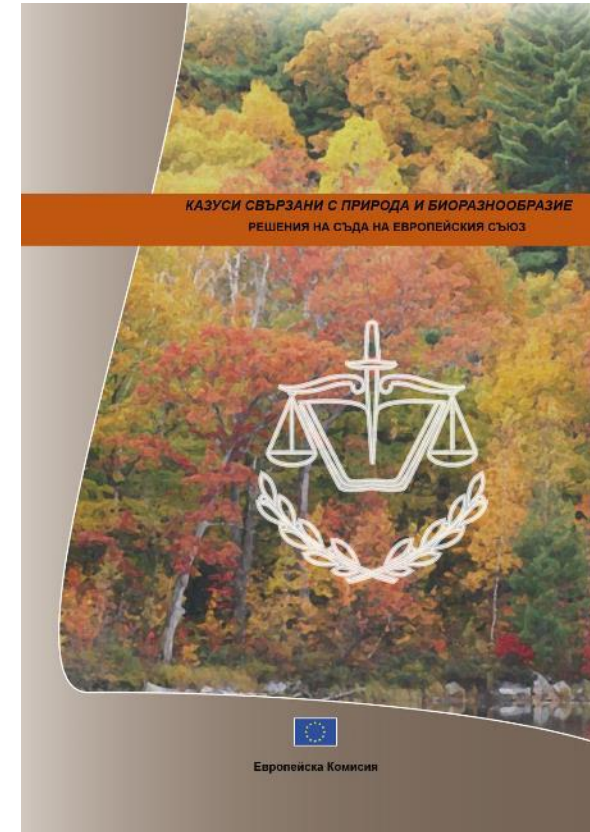


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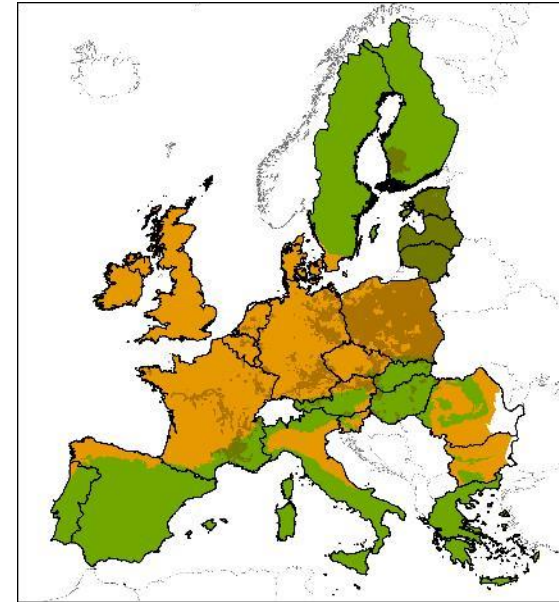
Natura 2000 Management
planning
(Art.6 of Habitats Directive)
http://ec.europa.eu/environment/nature/natura2000/management/guidance_en.htm#art6



Natura 2000 Appropriate Assesement (Art.6.3 & 6.4 of Habitats Directive)



Reporting under Article 17 of the Habitats Directive



http://bd.eionet.europa.eu/activities/Reporting/Article_17

Reporting under Article 12 of
the Birds Directive

Art. 12 Reporting

http://bd.eionet.europa.eu/activities/Reporting/Article_12



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A scenic view of a mountain landscape. The foreground shows a steep, rocky slope covered in green vegetation and small white flowers. The middle ground features rolling green hills and ridges, with some areas appearing to be covered in mist or low clouds. The background shows more distant mountain peaks under a bright, cloudy sky. The overall atmosphere is serene and majestic.

Thank you!