



Ministry of the Environment  
of the Czech Republic



# REPORT

in the frame of Project Conservation of Natural Heritage  
for Life in Ukraine, acronym ConNaturLIFE Ukraine,  
(101148569 — LIFE23-PRE-CZ-ConNaturLIFE Ukraine)

Authors:

Oleksii Marushchak  
Anna Kuzemko

Work Package number:

WP2

Work Package name:

Common legislative space for Ukraine and the EU for  
nature protection

Action number and name:

T.2.2 Practical transformation of Emerald to Natura  
2000 network

Intermediate result  
number and name:

D2.14 Analysis and proposal for adding species/  
habitats into the annexes of the Nature Directives  
(Natura 2000)

Date:

February 2025



# TABLE OF CONTENTS

<b>1. INTRODUCTION</b> .....	4
<b>2. METHODOLOGY FOR SPECIES SELECTION</b> .....	5
<b>3. CRITERIA PROPOSED TO BE CONSIDERED WHEN CHOOSING THE SPECIES FOR INCLUSION TO THE ANNEXES OF THE HABITATS AND BIRDS DIRECTIVES</b> .....	8
<b>4. RESULTS</b> .....	10
<b>5. CONCLUSIONS</b> .....	15
<b>6. ANNEXES</b> .....	15

# 1 INTRODUCTION

This report was elaborated within the EU LIFE project Conservation of Natural Heritage for Life in Ukraine, Work Package 2 Common legislative space for Ukraine and the EU for nature protection. The main goal of this report is to prepare proposals for adding natural habitats types to Annex I and species into the Annex II of the Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (Habitats Directive) and Annex I of the Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds (Birds Directive).

Under the Birds Directive, countries must designate the core breeding, resting and wintering sites for 190 rare or threatened bird species listed in Annex I of the Birds Directive, as well as for certain other migratory bird species.

Under the Habitats Directive, countries [must designate sites for over 1000 plant and animal species and 233 habitats](#). These are listed in the Annexes I “Natural Habitat Types of Community Interest whose Conservation Requires the Designation of Special Areas of Conservation” and II “Animal and Plant Species of Community Interest whose Conservation Requires the Designation of Special Areas of Conservation” of the Habitats Directive respectively .

Today, thanks to the [Habitats Directive](#), Member States have classified over 23 500 Sites of Community Importance (SCIs) across the EU. Together, they cover almost 950 000 km<sup>2</sup> of land and sea – an area greater than Spain and Sweden put together. The Natura 2000 Network also includes Special Protection Areas (SPAs) classified under the Birds Directive. Collectively these sites are often referred to as “Natura 2000 sites” and are now the largest coordinated network of protected areas anywhere in the world .

Below is the number of natural habitats types and species listed in the annexes to the EU Habitats and Birds Directives and their presence within Ukraine.

**Table 1.** Number of species and habitat types within the Habitats Directive and Birds Directive (within the framework of the aim of this work) for the EU and those of them confirmed for Ukrainian territory.

Annex	Annex I, Habitats Directive	Annex II, Habitats Directive	Annex I, Birds Directive
Number of species/habitat types (total)	233	≈900	197
Number of species/habitat types (UA)	172	162	130

Ukraine is the biggest country in Europe with an area of 603 628 km<sup>2</sup> (5,7% of the territory of Europe), being situated in 4 biogeographical regions (Pannonic, Continental, Steppic and Alpine). Unique geographical position has led to a great variety of biodiversity



and number of species, including endemic ones. For example, the national red list (Red Data Book of Ukraine) consists of 687 animal and 857 plant, fungi and algae species.

Ukraine as a new member of the European Union will greatly enrich the EU biodiversity with a number of unique, often endemic, species of wild flora and fauna, as well as natural habitat types.

This is a standard practice, when a new country, joining the EU, submits additions to the annexes of the Habitats and Birds Directives with representatives of its flora and fauna that meet the necessary criteria for inclusion to these documents and had not been previously presented within the former set of EU countries or were not the target species for protection.

Quite a big number of species listed in the national red list of Ukraine (Red Data Book of Ukraine)<sup>1,2</sup>, are not listed neither in the annexes/resolutions of the Convention on the conservation of European wildlife and natural habitats (Bern Convention), nor in the annexes of the Habitats and Birds Directives. Taking into account that this set of species includes a lot of endemic ones and those requiring special conservation measures in Ukraine, along with their compliance with the criteria of the species listed in the above resolutions and annexes, it was assumed that they are potentially suitable or at least worth checking on their suitability for the including to the annexes of the Habitats and Birds directives.

The above prompted us to analyze the rare endemic flora and fauna of Ukraine, as well as its endemic habitats, for their compliance with the criteria of the Habitats and Birds Directives in order to prepare proposals for their inclusion in the mentioned annexes.

## 2 METHODOLOGY FOR SPECIES SELECTION

The selection methodology was developed as a general approach for analyzing all annexes of the Habitats and Birds Directives. Therefore, the information below includes all annexes of the Habitats and Birds Directives that contain species of flora and fauna, as well as types of natural habitats.

### STEP #1

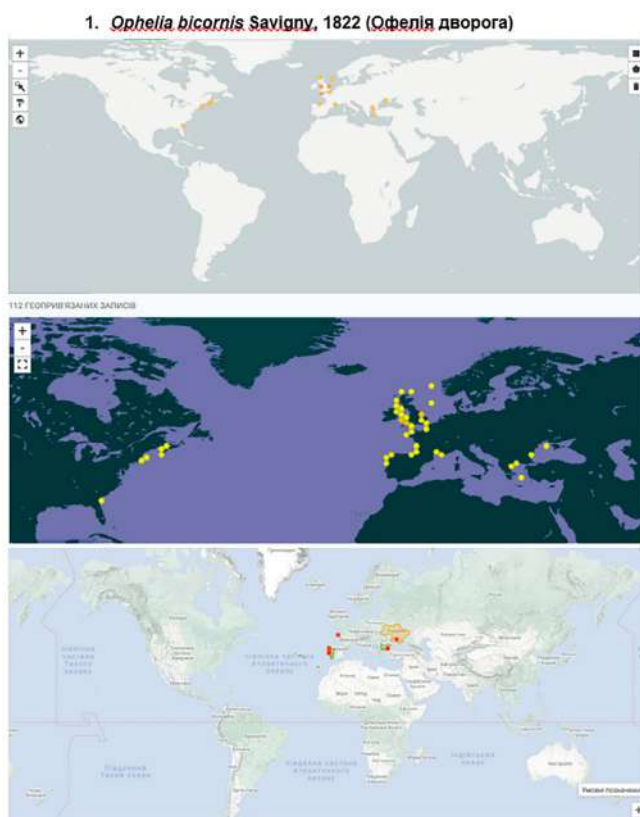
When analyzing species of flora and fauna, we followed a set of logical conclusions and algorithms. The general idea was, that first of all we have to pick up those species that ARE listed in Annex I, II and III of the Bern Convention and NOT listed in Annexes II, IV and V of the Habitats Directive and Annexes I, II and III of the Birds Directive. This was made by pairwise comparison of lists.

- [1 On approval of lists of animal species included in the Red Book of Ukraine \(fauna\) and animal species excluded from the Red Book of Ukraine \(fauna\). 2021. \[In Ukrainian\].](#)
- [2 Ministry of Environmental Protection and Natural Resources of Ukraine. \(2021\). On approval of the lists of plant and mushroom species included in the Red Book of Ukraine \(plant life\), and plant and mushroom species excluded from the Red Book of Ukraine \(plant life\). Order of the Ministry of Environmental Protection and Natural Resources of Ukraine No. 111 of 02/15/2021. \[In Ukrainian\].](#)

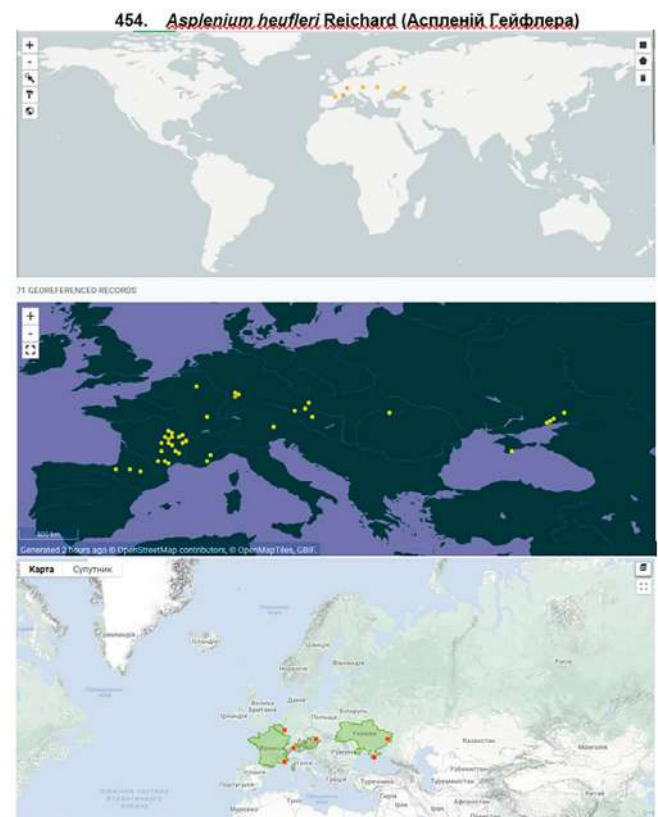
Current situation of species numbers is as follows:

1. Annex I of the Habitats Directive present in Ukraine: 104 habitat types;
2. Annex II of the Habitats Directive present in Ukraine: 133 species;
3. Annex I of the Birds Directive present in Ukraine: 121 species.

After comparing the mentioned lists (Bern Convention and the Directives), for the chosen species distribution maps were built based on the available bases of records of wildlife: [GBIF](#), [UkrBin](#), [iNaturalist](#) etc. Those species, that are widespread across Europe, were also excluded from the list of chosen species. Those species, presented in several European countries, were left in the list at this stage. Example of such a quick check study is shown below (Figure 1, 2).



**Figure 1.** Checking of the geographical distribution of species, chosen at Step #1 (wild fauna species).



**Figure 2.** Checking of the geographical distribution of species, chosen at Step #1 (wild flora species).

## STEP #2

At this step we applied the same algorithm of choosing species as we did for the **Step #1**. This time, by comparing the protective lists, we picked up those species that ARE listed in Resolution 6 and habitats in Resolution 4 of the Bern Convention and NOT listed in Annexes I, II, IV and V of the Habitats Directive and Annexes I, II and III of the Birds Directive. This was made by pairwise comparison of lists. As a result, a certain list of species that are listed in either Annexes I, II or III of the Bern Convention or in Resolution 6 of the Bern Convention and 4 natural habitat types newly proposed and adopted specifically for Ukraine, was formed.



## STEP #3

At this stage, we apply the same algorithm as for the **Step #1** and **Step #2**, but this time the species listed in the Red Data Book of Ukraine and not listed in Annexes II, IV and V of the Habitats Directive, Annexes I, II and III of the Birds Directive, Resolution 6 and Annexes I, II and III of the Bern Convention, were chosen by pairwise comparison of the lists. For the chosen species distribution maps were built based on the available bases of records of wildlife (GBIF, UkrBin, iNaturalist etc.). Those species, that are widespread across Europe, were also excluded from the list of chosen species. Those species, presented in several European countries, were left in the list at this stage.

Therefore, in the period of April-May 2024 an analysis and proposal for the possible inclusion of species and habitats that are relevant and important for Ukraine from the Resolutions 4 and 6 of the Bern Convention to the annexes to the Habitats and Birds Directives, if they are absent in the EU and are not covered by the current version of the Directives, were made. Filling in the completed forms (their draft versions) on proposed species and habitats to the annexes to the Habitats and Birds Directives in accordance with EU requirements was completed. During this work the following actions took place:

- 1)** conducting an analysis of the geographical distribution of wild flora and fauna species from Resolution 6 of the Bern Convention that are not included in Annexes II and IV of the Habitats Directive according to the data of the electronic resources GBIF and iNaturalist;
- 2)** conducting an analysis of species listed in the Red Data Book of Ukraine that are not included in Resolution 6 of the Bern Convention, as well as Annexes IV and V of the Habitats and Annexes II and III of the Birds Directives;
- 3)** conducting an analysis of species from the lists of regionally rare species of administrative regions of Ukraine regarding their compliance with the criteria of Resolution 6 of the Bern Convention, as well as Annexes IV and V of the Habitats and Annexes II and III of the Birds Directives.

As a result, lists of species, maps of species distribution and justification for the compliance of species with the criteria of the specified annexes were made.

Since all the avian species inhabiting Ukraine are widespread and already included in the annexes of the Birds Directive, no additional avian species were proposed.

After the 3 mentioned steps we obtained a list of 391 wild flora and fauna species that potentially can be proposed for inclusion to the annexes of the Habitats Directive. After receiving such a big list of species potentially suitable for inclusion to the Habitats Directive, we applied the following set of criteria that would help to narrow the list, giving priority to those species that really need protection in terms of Natura 2000 and practical realization of the future conservation measures.

### 3 CRITERIA PROPOSED TO BE CONSIDERED WHEN CHOOSING THE SPECIES FOR INCLUSION TO THE ANNEXES OF THE HABITATS AND BIRDS DIRECTIVES

The main criteria for including species and types of natural habitats in the annexes to the Habitats Directive are defined in Article 1, namely:

«**(g)** Species of Community interest means species which, within the territory referred to in Article 2, are:

- i)** endangered, except those species whose natural range is marginal in that territory and which are not endangered or vulnerable in the western palearctic region; or
- ii)** vulnerable, i.e. believed likely to move into the endangered category in the near future if the causal factors continue operating; or
- iii)** rare, i.e. with small populations that are not at present endangered or vulnerable, but are at risk. The species are located within restricted geographical areas or are thinly scattered over a more extensive range; or
- iv)** endemic and requiring particular attention by reason of the specific nature of their habitat and/or the potential impact of their exploitation on their habitat and/or the potential impact of their exploitation on their conservation status.

**(c)** Natural habitat types of Community interest means those which, within the territory referred to in Article 2:

- i)** are in danger of disappearance in their natural range; or
- ii)** have a small natural range following their regression or by reason of their intrinsically restricted area; or
- iii)** present outstanding examples of typical characteristics of one or more of the nine following biogeographical regions: Alpine, Atlantic, Black Sea, Boreal, Continental, Macaronesian, Mediterranean, Pannonian and Steppic.»

In addition to the main criteria, we have proposed the following criteria for inclusion:

- 1.** Is the species recognizable? The species should be well-identified visually, without the need to provide complicated molecular-genetic studies for its correct identification and not misidentifying with close relative species with similar physical appearance.
- 2.** Is the species appropriate for territorial / strict protection? The species should benefit from the tools provided by the Habitats and Birds Directives and the defined conservation measures can be practically implemented.
- 3.** The species should not be too common to be able to protect it.

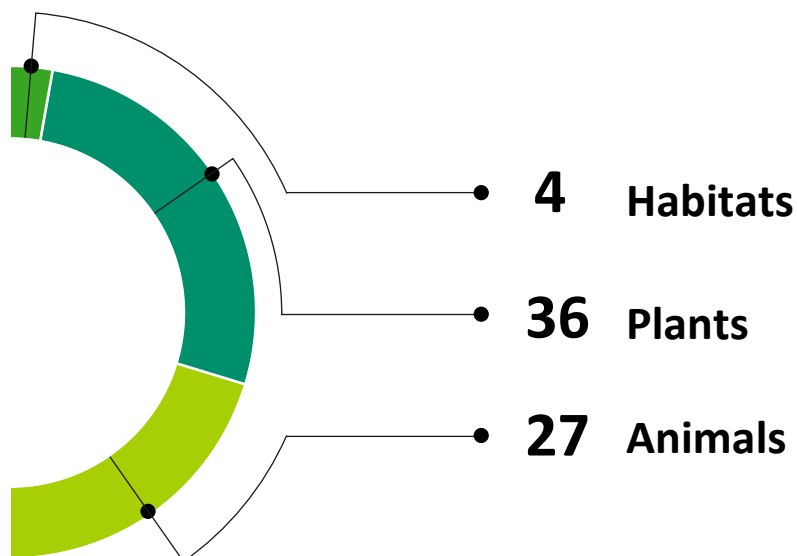


- 4.** The species should not be data deficient because of long-term lack of experts and monitoring capacities, as the designation of the sites and practical protection would be quite hard.
- 5.** The species should have sufficient data about the state of its populations in Ukraine and preferably (if possible) several (sufficient amounts to study the population(s) and collect relevant data about it(them)) experienced experts.
- 6.** The decision has to be made whether the species is to be added into Annex IV and which to Annex II.
- 7.** Ukraine needs to be able to fulfill reporting obligations (on SDF and art. 17 of the Habitats Directive on conservation status). Also, we need to consider capacities of the experts for the species that are also necessary for practical implementation issues - management, appropriate assessment etc. (esp. for monitoring).
- 8.** The information if the species is present only in Ukraine or also in other member states of the European Union (MS). If the species is present in other MS, it does not automatically disqualify it. Nevertheless, it is something for consideration - it might hinder future approval, as it would impose new requirements of the MS. But some MS might on the other hand welcome the addition of such species.
- 9.** Also, the future obligations need to be considered: if Ukraine will be able to secure protection of the proposed number of species. It comes with administrative burden — derogations, management planning, appropriate assessment, reporting.
- 10.** The species ideally should act as a flagship species and facilitate the protection of habitats.

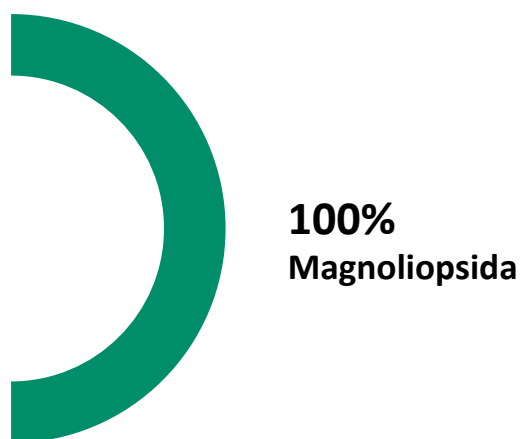
At this step, the relevant experts (botanists, teriologists, malacologists, entomologists, herpetologists etc.) that work with the species (chosen at Steps #1-#3) were included in the work, having addressed the criteria mentioned above. Following their advice and conclusions, the list of species was greatly reduced.

## 4 RESULTS

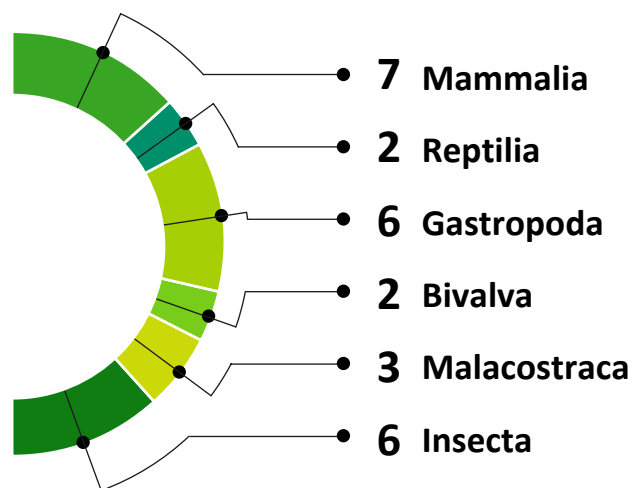
In the list of activities using the criteria listed above had been conducted, the list was narrowed to 63 wild flora and fauna species (Table 2) and 4 natural habitat types (Table 3). Statistics on the species characteristics in terms of their application is shown in the figures below (Figure 3-8).



**Figure 3.** Number of species (by group) and habitat types proposed for inclusion to the Annex I and Annex II of the Habitats Directive.



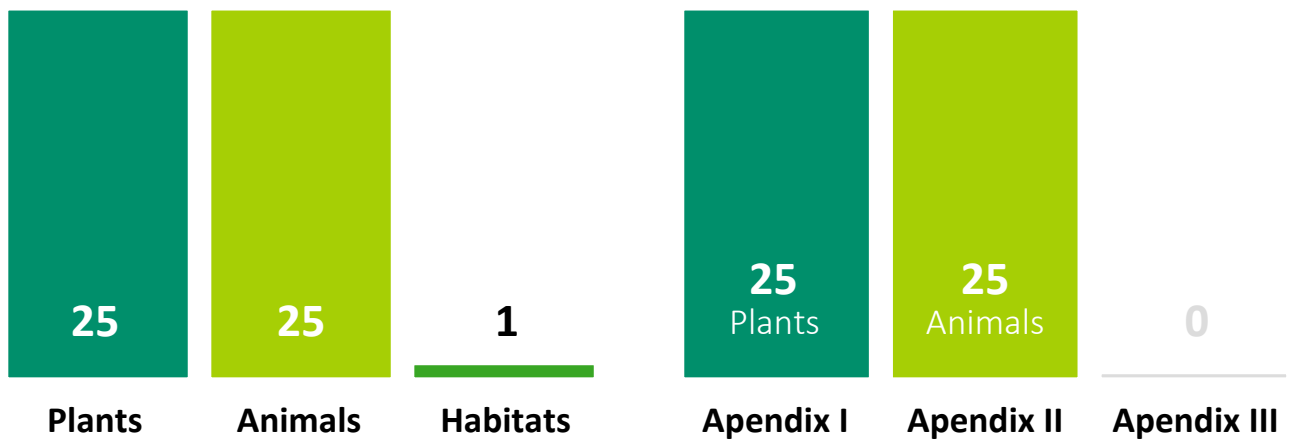
**Figure 4.** % of higher taxonomic groups (classes) proposed for inclusion to the Annex II of the Habitats Directive (wild flora species).



**Figure 5.** % of higher taxonomic groups (classes) proposed for inclusion to the Annex II of the Habitats Directive (wild fauna species).



**Figure 6.** Number of wild flora and fauna species and natural habitat types proposed for inclusion to the Annexes I and II of the Habitats Directive (by Annexes).



**Figure 7.** % of higher taxonomic groups (classes) proposed for inclusion to the Annex II of the Habitats Directive (wild flora species).

**Figure 8.** % of higher taxonomic groups (classes) proposed for inclusion to the Annex II of the Habitats Directive (wild fauna species).

Part of the chosen species and habitat types were also offered to be included to the Resolutions 6 and 4 (and therefore Annexes I and II) of the Bern Convention with subsequent filling the same type of forms, but with other heading types, changed according to the purpose of filling.

**Table 2.** Wild flora and fauna species proposed to be included to the Annex II of the Habitats Directive

N	Species	Kingdom	Class	Vernacular Name	* Res.6	* BC	* RBU	* Annex	UA expert
1	<i>Desmana moschata</i> (Linnaeus, 1758)	Animalia	Mammalia	Хохуля руська	+	+		II, IV	Rusin M.

N	Species	Kingdom	Class	Vernacular Name	*Res.6	*BC	*RBU	*Annex	UA expert
2	<i>Spalax graecus</i> Nehring, 1898	Animalia	Mammalia	Сліпак буковинський	+	+		II, IV	Rusin M.
3	<i>Allium regelianum</i> A.Becker ex Iljin	Plantae	Magnoliopsida	Цибуля Регеля	+			II	Shapoval V.
4	<i>Steveniella satyrioides</i> (Spreng.) Schltr.	Plantae	Magnoliopsida	Стевениела сатириєподібна	+	+		II, IV	Kuzemko A.
5	<i>Achillea glaberrima</i> Klokov	Plantae	Magnoliopsida	Деревій голий	+	+		II, IV	Kuzemko A.
6	<i>Crepis purpurea</i> (Willd.) M. Bieb.	Plantae	Magnoliopsida	Скереда пурпурова	+	+		II, IV	Didukh Y.
7	<i>Crambe koktebelica</i> (Junge) N.Busch	Plantae	Magnoliopsida	Катран коктебельський	+	+		II, IV	Didukh Y.
8	<i>Lepidium turczaninowii</i> Lipsky	Plantae	Magnoliopsida	Хрінниця Турчанінова	+	+		II	Didukh Y.
9	<i>Dianthus hypanicus</i> Andrz.	Plantae	Magnoliopsida	Гвоздика бузька	+	+		II	Shynder O.
10	<i>Moehringia hypanica</i> Grynj & Klokov	Plantae	Magnoliopsida	Мерингія бузька	+	+		II, IV	Shynder O.
11	<i>Silene cretacea</i> Fisch. ex Spreng.	Plantae	Magnoliopsida	Смілка крейдова	+	+		II, IV	Bondarenko G.
12	<i>Astragalus setosulus</i> Gontsch.	Plantae	Magnoliopsida	Астрагал щетинистий	+	+		II, IV	Didukh Y.
13	<i>Genista tetragona</i> Besser	Plantae	Magnoliopsida	Дрік чотиригранний	+	+		II, IV	Moysiyenko I.
14	<i>Darevskia lindholmi</i> (Szczerbak, 1962)	Animalia	Reptilia	Ящірка Ліндгольма		+		II, IV	Nekrasova O.
15	<i>Eremias arguta</i> (Pallas, 1773)	Animalia	Reptilia	Ящурка різнобарвна		+		II, IV	Nekrasova O.
16	<i>Laevicaspia lincta</i> (Milaschewitsch, 1908)	Animalia	Gastropoda	Вежка льодяникова			+	II, IV	Son M.
17	<i>Lymnaea taurica</i> (Clessin, 1880)	Animalia	Gastropoda	Петрик таврійський			+	II, IV	Son M.
18	<i>Peristoma merduenianum</i> Krynicky, 1833	Animalia	Gastropoda	Круглозубка ущелинна			+	II, IV	Balashov I.
19	<i>Ramusculus subulatus</i> (Rossmassler, 1837)	Animalia	Gastropoda	Пелюшниця струнка			+	II	Balashov I.
20	<i>Serrulina serrulata</i> (Pfeiffer, 1847)	Animalia	Gastropoda	Серуліна зубчаста			+	II, IV	Balashov I.
21	<i>Vitrea nadejdae</i> Lindholm, 1926	Animalia	Gastropoda	Кристалівка кримська			+	II, IV	Balashov I.
22	<i>Prostenomphalia carpathica</i> Baidashnikov, 1985	Animalia	Gastropoda	Простеномфалія карпатська			+	II, IV	Balashov I.

N	Species	Kingdom	Class	Vernacular Name	*Res.6	*BC	*RBU	*Annex	UA expert
23	<i>Hypanis laeviuscula</i> (Eichwald, 1829)	Animalia	Bivalvia	Бужанка гладенька			+	II, IV	Son M.
24	<i>Hypanis plicata</i> (Eichwald, 1829)	Animalia	Bivalvia	Бужанка складчаста			+	II, IV	Son M.
25	<i>Iphigenella shablensis</i> Carausu, 1943	Animalia	Malacostraca	Іфігенела шаблінська			+	II, IV	Son M.
26	<i>Iphigenella andrussowi</i> Sars, 1894	Animalia	Malacostraca	Іфігенела Андрусова			+	II, IV	Son M.
27	<i>Astacus pachypus</i> Rathke, 1837	Animalia	Malacostraca	Рак товстопалий			+	II, IV	Son M.
28	<i>Poecilimon pliginskii</i> Miram, 1929	Animalia	Insecta	Пилкохвіст Плігінського			+	II, IV	Kavurka V.
29	<i>Anadrymadusa retowskii</i> (Adelung, 1907)	Animalia	Insecta	Анадримадуза Ретовського			+	II, IV	Kavurka V.
30	<i>Cephalota besseri</i> (Dejean, 1826)	Animalia	Insecta	Стрибун Бессера			+	II, IV	Kavurka V.
31	<i>Pseudochazara euxina</i> (Kusnezov, 1909)	Animalia	Insecta	Сатир евксинський			+	II, IV	Kavurka V.
32	<i>Tapinoma kinburni</i> Karawajew, 1937	Animalia	Insecta	Тапінома кінбурнська			+	II, IV	Kavurka V.
33	<i>Urophora dzieduszyckii</i> Frauenfeld, 1867	Animalia	Insecta	Урофора Дідушицького			+	II, IV	Kavurka V.
34	<i>Spermophilus pygmaeus</i> (Pallas, 1779)	Animalia	Mammalia	Ховрах малий			+	II, IV	Rusin M.
35	<i>Spalax zemni</i> (Erleben, 1777)	Animalia	Mammalia	Сліпак подільський			+	II, IV	Rusin M.
36	<i>Spalax arenarius</i> Reshetnik, 1939	Animalia	Mammalia	Сліпак піщаний			+	II, IV	Rusin M.
37	<i>Stylodipus telum</i> (Lichtenstein, 1823)	Animalia	Mammalia	Ємуранчик звичайний			+	II, IV	Rusin M.
38	<i>Nothocricetulus migratorius</i> (Pallas, 1773)	Animalia	Mammalia	Хом'ячок сирій			+	II, IV	Rusin M.
39	<i>Hyacinthella pallasiana</i> (Steven) Losinsk.	Plantae	Magnoliopsida	Гіацинтик Палласів			+	II	Bronskova O.
40	<i>Tulipa schrenkii</i> Regel	Plantae	Magnoliopsida	Тюльпан Шренка			+	II	Moysiyyenko I.
41	<i>Nigritella carpatica</i> (Zapal.) Teppner, Klein & Zagulski	Plantae	Magnoliopsida	Чорнянка карпатська			+	II, IV	Chorney I.

N	Species	Kingdom	Class	Vernacular Name	*Res.6	*BC	*RBU	*Annex	UA expert
42	<i>Heracleum ligusticifolium</i> M.Bieb.	Plantae	Magnoliopsida	Борщівник лігустиколистий			+	II, IV	Didukh Y.
43	<i>Trinia biebersteinii</i> Fedoronczuk	Plantae	Magnoliopsida	Тринія Біберштейна			+	II	Didukh Y.
44	<i>Centaurea breviceps</i> Iljin	Plantae	Magnoliopsida	Волошка короткоголова			+	II, IV	Didenko V.
45	<i>Centaurea margaritacea</i> Ten.	Plantae	Magnoliopsida	Волошка перлиста			+	II, IV	Didenko V.
46	<i>Saussurea porcii</i> Degen	Plantae	Magnoliopsida	Соссюрея Порціуса			+	II, IV	Kobiv Y.
47	<i>Gymnospermium odessanum</i> (DC.) Takht.	Plantae	Magnoliopsida	Оставник одеський			+	II	Moysiyenko I.
48	<i>Sobolewskia sibirica</i> (Willd.) P.W.Ball	Plantae	Magnoliopsida	Соболевськія сибірська			+	II, IV	Didukh Y.
49	<i>Adenophora taurica</i> (Sukacz.) Juz.	Plantae	Magnoliopsida	Дзвінка кримська			+	II	Didukh Y.
50	<i>Eremogone cephalotes</i> (M.Bieb.) Fenzl	Plantae	Magnoliopsida	Пустельниця головчаста			+	II, IV	Moysiyenko I.
51	<i>Erodium beketowii</i> Schmalh.	Plantae	Magnoliopsida	Грабельки Бекетова			+	II, IV	Bronskova O.
52	<i>Cymbocasma borysthenica</i> (Pall. ex Schlecht.) Klokov & Zoz	Plantae	Magnoliopsida	Повстянка дніпровська			+	II	Moysiyenko I.
53	<i>Daphne sophia</i> Kalen.	Plantae	Magnoliopsida	Вовче лико Софії			+	II, IV	Bondarenko G.
54	<i>Daphne taurica</i> Kotov	Plantae	Magnoliopsida	Вовче лико кримське			+	II, IV	Didukh Y.
55	<i>Rhaponticoides taliewii</i> (Kleopow) M.V.Agab. & Greuter	Plantae	Magnoliopsida	Волошка Талієва				II, IV	Bronskova O.
56	<i>Erysimum ucranicum</i> J.Gay	Plantae	Magnoliopsida	Жовтушник український				II, IV	Bondarenko G.
57	<i>Phalacrachena inuloides</i> (Fisch. ex Schmalh.) Iljin	Plantae	Magnoliopsida	Лисонасінник омановий				II	Shapoval V.
58	<i>Centaurea konkae</i> Klokov	Plantae	Magnoliopsida	Волошка Конки				II, IV	Didenko V.
59	<i>Centaurea appendicata</i> Klokov	Plantae	Magnoliopsida	Волошка великопридаткова				II, IV	Didenko V.
60	<i>Hedysarum ucrainicum</i> Kaschm.	Plantae	Magnoliopsida	Солодушка українська				II, IV	Borovyk L.
61	<i>Silene jailensis</i> N.I. Rubtzov	Plantae	Magnoliopsida	Смілка яйлинська				II, IV	Didukh Y.

N	Species	Kingdom	Class	Vernacular Name	*Res.6	*BC	*RBU	*Annex	UA expert
62	<i>Astragalus arnacantha</i> M.Bieb.	Plantae	Magnoliopsida	Астрагал колючкуватий				II	Didukh Y.
63	<i>Sedum borissovae</i> Balk.	Plantae	Magnoliopsida	Очиток Борисової				II, IV	Shynder O.

\* Res.6 — species already included in Resolution 6 of the Bern Convention, BC — species already included in Appendices I, II or III of the Bern Convention, RBU — species already included in the Red Data Book of Ukraine, Annex — the number of the annex of the Habitats Directive in which the species is proposed to be included.

**Table 3.** Natural habitat types proposed to be included in the Annex I of the Habitats Directive.

N	Habitat name	*Res.4	Description available	*Annex	UA expert
1	Continental dry rocky steppic grasslands and dwarf scrub on chalk outcrops	+	<a href="https://eunis.eea.europa.eu/habitats/5795">https://eunis.eea.europa.eu/habitats/5795</a>	I	Kuzemko A.
2	<i>Pinus sylvestris</i> forest on chalk in the steppe zone	+	<a href="https://eunis.eea.europa.eu/habitats/8008">https://eunis.eea.europa.eu/habitats/8008</a>	I	Kuzemko A.
3	Depressions (pody) of the Steppe zone	+	<a href="https://eunis.eea.europa.eu/habitats/8009">https://eunis.eea.europa.eu/habitats/8009</a>	I	Kuzemko A.
4	Woods of Dnieper birch, pedunculate oak and aspen on sandy terraces of the Steppe zone	-		I	Kuzemko A.

\* Res.4 — habitat type already included in Resolution 4 of the Bern Convention, Annex — the number of the annex of the Habitats Directive in which the habitat type is proposed to be included.

All detailed suggestions on the species and habitats proposed to be included in the annexes of the Habitats Directive, organized on the basis of the standard form provided for including of new species to the Bern Convention, are provided as supplementary files.

## 5 CONCLUSIONS

In terms of this activity a set of 63 wild flora and fauna species proposed to be included in the Annex II of the Habitats Directive and 4 natural habitat types proposed to be included in the Annex I of the Habitats Directive was prepared.

## 6 ANNEXES

The report is accompanied with 67 standard forms for inclusion of new wild flora and fauna species and natural habitats to the Annexes I and II of the Habitats Directive (each form is provided twice: in English and in Ukrainian); additionally the report provides 51 for inclusion of new wild flora and fauna species and natural habitats to the Resolutions 4 and 6 of the Bern Convention (each form is provided once: in English).