

COUNCIL DIRECTIVE 92/43/EEC ⁽¹⁾

<http://europa.eu.int/comm/environment/nature/habdir.htm>

of 21 May 1992

on the conservation of natural habitats and of wild fauna and flora**THE COUNCIL OF THE EUROPEAN COMMUNITIES,**

Having regard to the Treaty establishing the European Economic Community, and in particular Article 130s thereof,

Having regard to the proposal from the Commission ⁽²⁾,

Having regard to the opinion of the European Parliament ⁽³⁾,

Having regard to the opinion of the Economic and Social Committee ⁽⁴⁾,

Whereas the preservation, protection and improvement of the quality of the environment, including the conservation of natural habitats and of wild fauna and flora, are an essential objective of general interest pursued by the Community, as stated in Article 130r of the Treaty;

Whereas the European Community policy and action programme on the environment (1987 to 1992) ⁽⁵⁾ makes provision for measures regarding the conservation of nature and natural resources;

Whereas, the main aim of this Directive being to promote the maintenance of biodiversity, taking account of economic, social, cultural and regional requirements, this Directive makes a contribution to the general objective of sustainable development;

Whereas the maintenance of such biodiversity may in certain cases require the maintenance, or indeed the encouragement, of human activities;

Whereas, in the European territory of the Member States, natural habitats are continuing to deteriorate and an increasing number of wild species are seriously threatened; whereas given that the threatened habitats and species form part of the Community's natural heritage and the threats to them are often of a transboundary nature, it is necessary to take measures at Community level in order to conserve them;

Whereas, in view of the threats to certain types of natural habitat and certain species, it is necessary to define them as having priority in order to favour the early implementation of measures to conserve them;

Whereas, in order to ensure the restoration or maintenance of natural habitats and species of Community interest at a favourable conservation status, it is necessary to designate special areas of conservation in order to create a coherent European ecological network according to a specified timetable;

Whereas all the areas designated, including those classified now or in the future as special protection areas pursuant to Council Directive 79/409/EEC of 2 April 1979 on the conservation of wild birds ⁽⁶⁾, will have to be incorporated into the coherent European ecological network;

Whereas it is appropriate, in each area designated, to implement the necessary measures having regard to the conservation objectives pursued;

Whereas sites eligible for designation as special areas of conservation are proposed by the Member States but whereas a procedure must nevertheless be laid down to allow the designation in exceptional cases of a site which has not been proposed by a Member State but which the Community considers essential for either the maintenance or the survival of a priority natural habitat type or a priority species;

Whereas an appropriate assessment must be made of any plan or programme likely to have a significant effect on the conservation objectives of a site which has been designated or is designated in future;

Whereas it is recognised that the adoption of measures intended to promote the conservation of priority natural habitats and priority species of Community interest is a common responsibility of all Member States; whereas this may, however, impose an excessive financial burden on certain Member States given, on the one hand, the uneven distribution of such habitats and species throughout the Community and, on the other hand, the fact that the 'polluter pays' principle can have only limited application in the special case of nature conservation;

Whereas it is therefore agreed that, in this exceptional case, a contribution by means of Community co-financing should be provided for within the limits of the resources made available under the Community's decisions;

Whereas land-use planning and development policies should encourage the management of features of the landscape which are of major importance for wild fauna and flora;

Whereas a system should be set up for surveillance of the conservation status of the natural habitats and species covered by this Directive;

Whereas a general system of protection is required for certain species of flora and fauna to complement Directive 79/409/EEC;

Whereas provision should be made for management measures for certain species, if their conservation status so warrants, including the prohibition of certain means of capture or killing, whilst providing for the possibility of derogation's on certain conditions;

Whereas, with the aim of ensuring that the implementation of this Directive is monitored, the Commission will periodically prepare a composite report based, inter alia, on the information sent to it by the Member States regarding the application of national provisions adopted under this Directive;

Whereas the improvement of scientific and technical knowledge is essential for the implementation of this Directive;

Whereas it is consequently appropriate to encourage the necessary research and scientific work;

Whereas technical and scientific progress mean that it must be possible to adapt the Annexes; whereas a procedure should be established whereby the Council can amend the Annexes;

Whereas a regulatory committee should be set up to assist the Commission in the implementation of this Directive and in particular when decisions on Community co-financing are taken;

Whereas provision should be made for supplementary measures governing the reintroduction of certain native species of fauna and flora and the possible introduction of non-native species;

Whereas education and general information relating to the objectives of this Directive are essential for ensuring its effective implementation,

HAS ADOPTED THIS DIRECTIVE:

Definitions

Article 1

For the purpose of this Directive:

(a) *conservation* means a series of measures required to maintain or restore the natural habitats and the populations of species of wild fauna and flora at a favourable status as defined in (e) and (i);

(b) *natural habitats* means terrestrial or aquatic areas distinguished by geographic, abiotic and biotic features, whether entirely natural or semi-natural;

(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 six following biogeographical regions: Alpine, Atlantic, Boreal, Continental, Macaronesian and Mediterranean.

Such habitat types are listed or may be listed in Annex I;

(d) *priority natural habitat types* means natural habitat types in danger of disappearance, which are present on the territory referred to in Article 2 and for the conservation of which the Community has particular responsibility in view of the proportion of their natural range which falls within the territory referred to in Article 2; these priority natural habitat types are indicated by an asterisk (*) in Annex I;

(e) *conservation status of a natural habitat* means the sum of the influences acting on a natural habitat and its typical species that may affect its long-term natural distribution, structure and functions as well as the long-term survival of its typical species within the territory referred to in Article 2.

The conservation status of a natural habitat will be taken as 'favourable' when:

- its natural range and areas it covers within that range are stable or increasing, and
- the specific structure and functions which are necessary for its long-term maintenance exist and are likely to continue to exist for the foreseeable future, and
- the conservation status of its typical species is favourable as defined in (i);

(f) *habitat of a species* means an environment defined by specific abiotic and biotic factors, in which the species lives at any stage of its biological cycle;

(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.

Such species are listed or may be listed in Annex II and/or Annex IV or V;

(h) *priority species* means species referred to in (g) (i) for the conservation of which the Community has particular responsibility in view of the proportion of their natural range which falls within the territory referred to in Article 2; these priority species are indicated by an asterisk (*) in Annex II;

(i) *conservation status of a species* means the sum of the influences acting on the species concerned that may affect the long-term distribution and abundance of its populations within the territory referred to in Article 2;

The *conservation status* will be taken as 'favourable' when:

- 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, and
- the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and
- there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis;

(j) *site* means a geographically defined area whose extent is clearly delineated;

(k) *site of Community importance* means a site which, in the biogeographical region or regions to which it belongs, contributes significantly to the maintenance or restoration at a favourable conservation status of a natural habitat type in Annex I or of a species in Annex II and may also contribute significantly to the coherence of Natura 2000 referred to in Article 3, and/or contributes significantly to the maintenance of biological diversity within the biogeographic region or regions concerned.

For animal species ranging over wide areas, sites of Community importance shall correspond to the places within the natural range of such species which present the physical or biological factors essential to their life and reproduction;

(l) *special area of conservation* means a site of Community importance designated by the Member States through a statutory, administrative and/or contractual act where the necessary conservation measures are applied for the maintenance or restoration, at a favourable conservation status, of the natural habitats and/or the populations of the species for which the site is designated;

(m) *specimen* means any animal or plant, whether alive or dead, of the species listed in Annex IV and Annex V, any part or derivative thereof, as well as any other goods which appear, from an accompanying document, the packaging or a mark or label, or from any other circumstances, to be parts or derivatives of animals or plants of those species;

(n) *the committee* means the committee set up pursuant to Article 20.

Article 2

1. The aim of this Directive shall be to contribute towards ensuring bio-diversity 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.
2. Measures taken pursuant to this Directive shall be designed to maintain or restore, at favourable conservation status, natural habitats and species of wild fauna and flora of Community interest.
3. Measures taken pursuant to this Directive shall take account of economic, social and cultural requirements and regional and local characteristics.

Conservation of natural habitats and habitats of species

Article 3

1. A coherent European ecological network of special areas of conservation shall be set up under the title Natura 2000. This network, composed of sites hosting the natural habitat types listed in Annex I and habitats of the species listed in Annex II, shall enable the natural habitat types and the species' habitats concerned to be maintained or, where appropriate, restored at a favourable conservation status in their natural range.

The Natura 2000 network shall include the special protection areas classified by the Member States pursuant to Directive 79/409/EEC.

2. Each Member State shall contribute to the creation of Natura 2000 in proportion to the representation within its territory of the natural habitat types and the habitats of species referred to in paragraph 1. To that effect each Member State shall designate, in accordance with Article 4, sites as special areas of conservation taking account of the objectives set out in paragraph 1.

3. Where they consider it necessary, Member States shall endeavour to improve the ecological coherence of Natura 2000 by maintaining, and where appropriate developing, features of the landscape which are of major importance for wild fauna and flora, as referred to in Article 10.

Article 4

1. On the basis of the criteria set out in Annex III (Stage 1) and relevant scientific information, each Member State shall propose a list of sites indicating which natural habitat types in Annex I and which species in Annex II that are native to its territory the sites host. For animal species ranging over wide areas these sites shall correspond to the places within the natural range of such species which present the physical or biological factors essential to their life and reproduction. For aquatic species which range over wide areas, such sites will be proposed only where there is a clearly identifiable area representing the physical and biological factors essential to their life and reproduction. Where appropriate, Member States shall propose adaptation of the list in the light of the results of the surveillance referred to in Article 11.

The list shall be transmitted to the Commission, within three years of the notification of this Directive, together with information on each site. That information shall include a map of the site, its name, location, extent and the data resulting from application of the criteria specified in Annex III (Stage 1) provided in a format established by the Commission in accordance with the procedure laid down in Article 21.

2. On the basis of the criteria set out in Annex III (Stage 2) and in the framework both of each of the five biogeographical regions referred to in Article 1 (c) (iii) and of the whole of the territory referred to in Article 2 (1), the Commission shall establish, in agreement with each Member State, a draft list of sites of Community importance drawn from the Member States' lists identifying those which lost one or more priority natural habitat types or priority species.

Member States whose sites hosting one or more priority natural habitat types and priority species represent more than 5 % of their national territory may, in agreement with the Commission, request that the criteria listed in Annex III (Stage 2) be applied more flexibly in selecting all the sites of Community importance in their territory.

The list of sites selected as sites of Community importance, identifying those which host one or more priority natural habitat types or priority species, shall be adopted by the Commission in accordance with the procedure laid down in Article 21.

3. The list referred to in paragraph 2 shall be established within six years of the notification of this Directive

4. Once a site of Community importance has been adopted in accordance with the procedure laid down in paragraph 2, the Member State concerned shall designate that site as a special area of conservation as soon as possible and within six years at most, establishing priorities in the light of the importance of the sites for the maintenance or restoration, at a favourable conservation status, of a natural habitat type in Annex I or a species in Annex II and for the coherence of Natura 2000, and in the light of the threats of degradation or destruction to which those sites are exposed

5. As soon as a site is placed on the list referred to in the third subparagraph of paragraph 2 it shall be subject to Article 6 (2), (3) and (4).

Article 5

1. In exceptional cases where the Commission finds that a national list as referred to in Article 4 (1) fails to mention a site hosting a priority natural habitat type or priority species which, on the basis of relevant and reliable scientific information, it considers to be essential for the maintenance of that priority natural habitat type or for the survival of that priority species, a bilateral consultation procedure shall be

initiated between that Member State and the Commission for the purpose of comparing the scientific data used by each.

2. If, on expiry of a consultation period not exceeding six months, the dispute remains unresolved, the Commission shall forward to the Council a proposal relating to the selection of the site as a site of Community importance.
3. The Council, acting unanimously, shall take a decision within three months of the date of referral.
4. During the consultation period and pending a Council decision, the site concerned shall be subject to Article 6 (2).

Article 6

1. For special areas of conservation, Member States shall establish the necessary conservation measures involving, if need be, appropriate management plans specifically designed for the sites or integrated into other development plans, and appropriate statutory, administrative or contractual measures which correspond to the ecological requirements of the natural habitat types in Annex I and the species in Annex II present on the sites.
2. Member States shall take appropriate steps to avoid, in the special areas of conservation, the deterioration of natural habitats and the habitats of species as well as disturbance of the species for which the areas have been designated, in so far as such disturbance could be significant in relation to the objectives of this Directive.
3. Any plan or project not directly connected with or necessary to the management of the site but likely to have a significant effect thereon, either individually or in combination with other plans or projects, shall be subject to appropriate assessment of its implications for the site in view of the site's conservation objectives. In the light of the conclusions of the assessment of the implications for the site and subject to the provisions of paragraph 4, the competent national authorities shall agree to the plan or project only after having ascertained that it will not adversely affect the integrity of the site concerned and, if appropriate, after having obtained the opinion of the general public.
4. If, in spite of a negative assessment of the implications for the site and in the absence of alternative solutions, a plan or project must nevertheless be carried out for imperative reasons of overriding public interest, including those of a social or economic nature, the Member State shall take all compensatory measures necessary to ensure that the overall coherence of Natura 2000 is protected. It shall inform the Commission of the compensatory measures adopted.

Where the site concerned hosts a priority natural habitat type and/or a priority species, the only considerations which may be raised are those relating to human health or public safety, to beneficial consequences of primary importance for the environment or, further to an opinion from the Commission, to other imperative reasons of overriding public interest.

Article 7

Obligations arising under Article 6 (2), (3) and (4) of this Directive shall replace any obligations arising under the first sentence of Article 4 (4) of Directive 79/409/EEC in respect of areas classified pursuant to Article 4 (1) or similarly recognised under Article 4 (2) thereof, as from the date of implementation of this Directive or the date of classification or recognition by a Member State under Directive 79/409/EEC, where the latter date is later.

Article 8

1. In parallel with their proposals for sites eligible for designation as special areas of conservation, hosting priority natural habitat types and/or priority species, the Member States shall send, as appropriate, to the Commission their estimates relating to the Community co-financing which they consider necessary to allow them to meet their obligations pursuant to Article 6 (1).
2. In agreement with each of the Member States concerned, the Commission shall identify, for sites of Community importance for which co-financing is sought, those measures essential for the maintenance or re-establishment at a favourable conservation status of the priority natural habitat types and priority species on the sites concerned, as well as the total costs arising from those measures.

3. The Commission, in agreement with the Member States concerned, shall assess the financing, including co-financing, required for the operation of the measures referred to in paragraph 2, taking into account, amongst other things, the concentration on the Member State's territory of priority natural habitat types and/or priority species and the relative burdens which the required measures entail.

4. According to the assessment referred to in paragraphs 2 and 3, the Commission shall adopt, having regard to the available sources of funding under the relevant Community instruments and according to the procedure set out in Article 21, a prioritised action framework of measures involving co-financing to be taken when the site has been designated under Article 4 (4).

5. The measures which have not been retained in the action framework for lack of sufficient resources, as well as those included in the above mentioned action framework which have not received the necessary co-financing or have only been partially co-financed, shall be reconsidered in accordance with the procedure set out in Article 21, in the context of the two-yearly review of the action framework and may, in the meantime, be postponed by the Member States pending such review. This review shall take into account, as appropriate, the new situation of the site concerned.

6. In areas where the measures dependent on co-financing are postponed, Member States shall refrain from any new measures likely to result in deterioration of those areas.

Article 9

The Commission, acting in accordance with the procedure laid down in Article 21, shall periodically review the contribution of Natura 2000 towards achievement of the objectives set out in Article 2 and 3. In this context, a special area of conservation may be considered for declassification where this is warranted by natural developments noted as a result of the surveillance provided for in Article 11.

Article 10

Member States shall endeavour, where they consider it necessary, in their land-use planning and development policies and, in particular, with a view to improving the ecological coherence of the Natura 2000 network, to encourage the management of features of the landscape which are of major importance for wild fauna and flora.

Such features are those which, by virtue of their linear and continuous structure (such as rivers with their banks or the traditional systems for marking field boundaries) or their function as stepping stones (such as ponds or small woods), are essential for the migration, dispersal and genetic exchange of wild species.

Article 11

Member States shall undertake surveillance of the conservation status of the natural habitats and species referred to in Article 2 with particular regard to priority natural habitat types and priority species.

Protection of species

Article 12

1. Member States shall take the requisite measures to establish a system of strict protection for the animal species listed in Annex IV (a) in their natural range, prohibiting:

- (a) all forms of deliberate capture or killing of specimens of these species in the wild;
- (b) deliberate disturbance of these species, particularly during the period of breeding, rearing, hibernation and migration;
- (c) deliberate destruction or taking of eggs from the wild;
- (d) deterioration or destruction of breeding sites or resting places.

2. For these species, Member States shall prohibit the keeping, transport and sale or exchange, and offering for sale or exchange, of specimens taken from the wild, except for those taken legally before this Directive is implemented.

3. The prohibition referred to in paragraph 1 (a) and (b) and paragraph 2 shall apply to all stages of life of the animals to which this Article applies.

4. Member States shall establish a system to monitor the incidental capture and killing of the animal species listed in Annex IV (a). In the light of the information gathered, Member States shall take further research or conservation measures as required to ensure that incidental capture and killing does not have a significant negative impact on the species concerned.

Article 13

1. Member States shall take the requisite measures to establish a system of strict protection for the plant species listed in Annex IV (b), prohibiting:

(a) the deliberate picking, collecting, cutting, uprooting or destruction of such plants in their natural range in the wild;

(b) the keeping, transport and sale or exchange and offering for sale or exchange of specimens of such species taken in the wild, except for those taken legally before this Directive is implemented.

2. The prohibitions referred to in paragraph 1 (a) and (b) shall apply to all stages of the biological cycle of the plants to which this Article applies.

Article 14

1. If, in the light of the surveillance provided for in Article 11, Member States deem it necessary, they shall take measures to ensure that the taking in the wild of specimens of species of wild fauna and flora listed in Annex V as well as their exploitation is compatible with their being maintained at a favourable conservation status.

2. Where such measures are deemed necessary, they shall include continuation of the surveillance provided for in Article 11. Such measures may also include in particular:

- regulations regarding access to certain property,
- temporary or local prohibition of the taking of specimens in the wild and exploitation of certain populations,
- regulation of the periods and/or methods of taking specimens,
- application, when specimens are taken, of hunting and fishing rules which take account of the conservation of such populations,
- establishment of a system of licences for taking specimens or of quotas,
- regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens,
- breeding in captivity of animal species as well as artificial propagation of plant species, under strictly controlled conditions, with a view to reducing the taking of specimens of the wild,
- assessment of the effect of the measures adopted.

Article 15

In respect of the capture or killing of species of wild fauna listed in Annex V (a) and in cases where, in accordance with Article 16, derogations are applied to the taking, capture or killing of species listed in Annex IV (a), Member States shall prohibit the use of all indiscriminate means capable of causing local disappearance of, or serious disturbance to, populations of such species, and in particular:

(a) use of the means of capture and killing listed in Annex VI (a);

(b) any form of capture and killing from the modes of transport referred to in Annex VI (b).

Article 16

1. Provided that there is no satisfactory alternative and the derogation is not detrimental to the maintenance of the populations of the species concerned at a favourable conservation status in their natural range, Member States may derogate from the provisions of Articles 12, 13, 14 and 15 (a) and (b):

(a) in the interest of protecting wild fauna and flora and conserving natural habitats;

(b) to prevent serious damage, in particular to crops, livestock, forests, fisheries and water and other types of property;

(c) in the interests of public health and public safety, or for other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment;

(d) for the purpose of research and education, of repopulating and re-introducing these species and for the breeding operations necessary for these purposes, including the artificial propagation of plants;

(e) to allow, under strictly supervised conditions, on a selective basis and to a limited extent, the taking or keeping of certain specimens of the species listed in Annex IV in limited numbers specified by the competent national authorities.

2. Member States shall forward to the Commission every two years a report in accordance with the format established by the Committee on the derogation's applied under paragraph 1. The Commission shall give its opinion on these derogation's within a maximum time limit of 12 months following receipt of the report and shall give an account to the Committee.

3. The reports shall specify:

(a) the species which are subject to the derogation's and the reason for the derogation, including the nature of the risk, with, if appropriate, a reference to alternatives rejected and scientific data used;

(b) the means, devices or methods authorised for the capture or killing of animal species and the reasons for their use;

(c) the circumstances of when and where such derogation's are granted;

(d) the authority empowered to declare and check that the required conditions obtain and to decide what means, devices or methods may be used, within what limits and by what agencies, and which persons are to carry out the task;

(e) the supervisory measures used and the results obtained.

Information

Article 17

1. Every six years from the date of expiry of the period laid down in Article 23, Member States shall draw up a report on the implementation of the measures taken under this Directive. This report shall include in particular information concerning the conservation measures referred to in Article 6 (1) as well as evaluation of the impact of those measures on the conservation status of the natural habitat types of Annex I and the species in Annex II and the main results of the surveillance referred to in Article 11. The report, in accordance with the format established by the committee, shall be forwarded to the Commission and made accessible to the public.

2. The Commission shall prepare a composite report based on the reports referred to in paragraph 1. This report shall include an appropriate evaluation of the progress achieved and, in particular, of the contribution of Natura 2000 to the achievement of the objectives set out in Article 3. A draft of the part of the report covering the information supplied by a Member State shall be forwarded to the Member State in question for verification. After submission to the committee, the final version of the report shall be published by the Commission, not later than two years after receipt of the reports referred to in paragraph 1, and shall be forwarded to the Member States, the European Parliament, the Council and the Economic and Social Committee.

3. Member States may mark areas designated under this Directive by means of Community notices designed for that purpose by the committee.

Research

Article 18

1. Member States and the Commission shall encourage the necessary research and scientific work having regard to the objectives set out in Article 2 and the obligation referred to in Article 11. They shall

exchange information for the purposes of proper co-ordination of research carried out at Member State and at Community level.

2. Particular attention shall be paid to scientific work necessary for the implementation of Articles 4 and 10, and transboundary co-operative research between Member States shall be encouraged.

Procedure for amending the Annexes

Article 19

Such amendments as are necessary for adapting Annexes I, II, III, V and VI to technical and scientific progress shall be adopted by the Council acting by qualified majority on a proposal from the Commission.

Such amendments as are necessary for adapting Annex IV to technical and scientific progress shall be adopted by the Council acting unanimously on a proposal from the Commission.

Committee

Article 20

The Commission shall be assisted by a committee consisting of representatives of the Member States and chaired by a representative of the Commission.

Article 21

1. The representative of the Commission shall submit to the committee a draft of the measures to be taken. The committee shall deliver its opinion on the draft within a time limit which the Chairman may lay down according to the urgency of the matter. The opinion shall be delivered by the majority laid down in Article 148 (2) of the Treaty in the case of decisions which the Council is required to adopt on a proposal from the Commission. The votes of the representatives of the Member States within the committee shall be weighted in the manner set out in that Article. The Chairman shall not vote.

2. The Commission shall adopt the measures envisaged if they are in accordance with the opinion of the committee.

If the measures envisaged are not in accordance with the opinion of the committee, or if no opinion is delivered, the Commission shall, without delay, submit to the Council a proposal relating to the measures to be taken. The Council shall act by a qualified majority.

If, on the expiry of three months from the date of referral to the Council, the Council has not acted, the proposed measures shall be adopted by the Commission.

Supplementary provisions

Article 22

In implementing the provisions of this Directive, Member States shall:

(a) study the desirability of re-introducing species in Annex IV that are native to their territory where this might contribute to their conservation, provided that an investigation, also taking into account experience in other Member States or elsewhere, has established that such re-introduction contributes effectively to re-establishing these species at a favourable conservation status and that it takes place only after proper consultation of the public concerned;

(b) ensure that the deliberate introduction into the wild of any species which is not native to their territory is regulated so as not to prejudice natural habitats within their natural range or the wild native fauna and flora and, if they consider it necessary, prohibit such introduction. The results of the assessment undertaken shall be forwarded to the committee for information;

(c) promote education and general information on the need to protect species of wild fauna and flora and to conserve their habitats and natural habitats.

Final provisions

Article 23

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive within two years of its notification. They shall forthwith inform the Commission thereof.
2. When Member States adopt such measures, they shall contain a reference to this Directive or be accompanied by such reference on the occasion of their official publication. The methods of making such a reference shall be laid down by the Member States.
3. Member States shall communicate to the Commission the main provisions of national law which they adopt in the field covered by this Directive.

Article 24

This Directive is addressed to the Member States.

Done at Brussels, 21 May 1992.

For the Council

The President

Arlindo MARQUES CUNHA

[ANNEX I](#): NATURAL HABITAT TYPES OF COMMUNITY INTEREST WHOSE CONSERVATION REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION

[ANNEX II](#): ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST WHOSE CONSERVATION REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION

[ANNEX III](#): CRITERIA FOR SELECTING SITES ELIGIBLE FOR IDENTIFICATION AS SITES OF COMMUNITY IMPORTANCE AND DESIGNATION AS SPECIAL AREAS OF CONSERVATION

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[ANNEX V](#): ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST WHOSE TAKING IN THE WILD AND EXPLOITATION MAY BE SUBJECT TO MANAGEMENT MEASURES

[ANNEX VI](#): PROHIBITED METHODS AND MEANS OF CAPTURE AND KILLING AND MODES OF TRANSPORT

ANNEX I

**NATURAL HABITAT TYPES OF COMMUNITY INTEREST WHOSE CONSERVATION
REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION**

Interpretation

Guidance on the interpretation of habitat types is given in the 'Interpretation Manual of European Union Habitats' as approved by the committee set up in Article 20 ('Habitats Committee') and published by the European Commission(1).

The code corresponds to the NATURA 2000 code.

The sign '*' indicates priority habitat types.

1. COASTAL AND HALOPHYTIC HABITATS

11. Open sea and tidal areas

- 1110 Sandbanks which are slightly covered by sea water all the time
- 1120 * *Posidonia* beds (*Posidonia oceanica*)
- 1130 Estuaries
- 1140 Mudflats and sandflats not covered by seawater at low tide
- 1150 *Coastal lagoons
- 1160 Large shallow inlets and bays
- 1170 Reefs
- 1180 Submarine structures made by leaking gases

12. Sea cliffs and shingle or stony beaches

- 1210 Annual vegetation of drift lines
- 1220 Perennial vegetation of stony banks
- 1230 Vegetated sea cliffs of the Atlantic and Baltic Coasts
- 1240 Vegetated sea cliffs of the Mediterranean coasts with endemic *Limonium* spp.
- 1250 Vegetated sea cliffs with endemic flora of the Macaronesian coasts

13. Atlantic and continental salt marshes and salt meadows

- 1310 *Salicornia* and other annuals colonizing mud and sand
- 1320 *Spartina* swards (*Spartinion maritimae*)
- 1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)
- 1340 * Inland salt meadows

14. Mediterranean and thermo-Atlantic salt marshes and salt meadows

- 1410 Mediterranean salt meadows (*Juncetalia maritimi*)
- 1420 Mediterranean and thermo-Atlantic halophilous scrubs (*Sarcocornetea fruticosi*)
- 1430 Halo-nitrophilous scrubs (*Pegano-Salsoletea*)

15. Salt and gypsum inland steppes

- 1510 * Mediterranean salt steppes (*Limonietalia*)
- 1520 * Iberian gypsum vegetation (*Gypsophiletalia*)
- 1530 * Pannonic salt steppes and salt marshes

16. Boreal Baltic archipelago, coastal and landupheaval areas

- 1610 Baltic esker islands with sandy, rocky and shingle beach vegetation and sublittoral vegetation
- 1620 Boreal Baltic islets and small islands
- 1630 * Boreal Baltic coastal meadows
- 1640 Boreal Baltic sandy beaches with perennial vegetation
- 1650 Boreal Baltic narrow inlets

2. COASTAL SAND DUNES AND INLAND DUNES

21. Sea dunes of the Atlantic, North Sea and Baltic coasts

- 2110 Embryonic shifting dunes
 2120 Shifting dunes along the shoreline with *Ammophila arenaria* ('white dunes')
 2130 * Fixed coastal dunes with herbaceous vegetation ('grey dunes')
 2140 * Decalcified fixed dunes with *Empetrum nigrum*
 2150 * Atlantic decalcified fixed dunes (*Calluno-Ulicetea*)
 2160 Dunes with *Hippophaë rhamnoides*
 2170 Dunes with *Salix repens* ssp. *argentea* (*Salicion arenariae*)
 2180 Wooded dunes of the Atlantic, Continental and Boreal region
 2190 Humid dune slacks
 21A0 Machairs (* in Ireland)

22. Sea dunes of the Mediterranean coast

- 2210 *Crucianellion maritimae* fixed beach dunes
 2220 Dunes with *Euphorbia terracina*
 2230 *Malcolmietalia* dune grasslands
 2240 *Brachypodietalia* dune grasslands with annuals
 2250 * Coastal dunes with *Juniperus* spp.
 2260 *Cisto-Lavenduletalia* dune sclerophyllous scrubs
 2270 * Wooded dunes with *Pinus pinea* and/or *Pinus pinaster*

23. Inland dunes, old and decalcified

- 2310 Dry sand heaths with *Calluna* and *Genista*
 2320 Dry sand heaths with *Calluna* and *Empetrum nigrum*
 2330 Inland dunes with open *Corynephorus* and *Agrostis* grasslands
 2340 * Pannonic inland dunes

3. FRESHWATER HABITATS**31. Standing water**

- 3110 Oligotrophic waters containing very few minerals of sandy plains
 (*Littorelletalia uniflorae*)
 3120 Oligotrophic waters containing very few minerals generally on sandy soils of the Mediterranean, with *Isoetes* spp. West
 3130 Oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea* *uniflorae*
 and/or of the *Isoëto-Nanojuncetea*
 3140 Hard oligo-mesotrophic waters with benthic vegetation of *Chara* spp.
 3150 Natural eutrophic lakes with *Magnopotamion* or *Hydrocharition* - type
 vegetation
 3160 Natural dystrophic lakes and ponds
 3170 * Mediterranean temporary ponds
 3180 * Turloughs

32. Running water - sections of water courses with natural or semi-natural dynamics (minor, average and major beds) where the water quality shows no significant deterioration

- 3210 Fennoscandian natural rivers
 3220 Alpine rivers and the herbaceous vegetation along their banks
 3230 Alpine rivers and their ligneous vegetation with *Myricaria germanica*
 3240 Alpine rivers and their ligneous vegetation with *Salix elaeagnos*
 3250 Constantly flowing Mediterranean rivers with *Glaucium flavum*
 3260 Water courses of plain to montane levels with the *Ranunculion fluitantis* and *Callitricho-*
Batrachion vegetation
 3270 Rivers with muddy banks with *Chenopodion rubri* p.p. and *Bidention* p.p. vegetation
 3280 Constantly flowing Mediterranean rivers with *Paspalo-Agrostidion* species and hanging curtains
 of *Salix* and *Populus alba*
 3290 Intermittently flowing Mediterranean rivers of the *Paspalo-Agrostidion*

4. TEMPERATE HEATH AND SCRUB

- 4010 Northern Atlantic wet heaths with *Erica tetralix*
 4020 * Temperate Atlantic wet heaths with *Erica ciliaris* and *Erica tetralix*
 4030 European dry heaths
 4040 * Dry Atlantic coastal heaths with *Erica vagans*
 4050 * Endemic macaronesian heaths
 4060 Alpine and Boreal heaths
 4070 * Bushes with *Pinus mugo* and *Rhododendron hirsutum* (Mugo-
Rhododendretum hirsuti)
 4080 Sub-Arctic *Salix* spp. scrub
 4090 Endemic oro-Mediterranean heaths with gorse

5. SCLEROPHYLLOUS SCRUB (MATORRAL)

51. Sub-Mediterranean and temperate scrub

- 5110 Stable xerothermophilous formations with *Buxus sempervirens* on rock slopes (Berberidion
 p.p.)
 5120 Mountain *Cytisus purgans* formations
 5130 *Juniperus communis* formations on heaths or calcareous grasslands
 5140 * *Cistus palhinhae* formations on maritime wet heaths

52. Mediterranean arborescent matorral

- 5210 Arborescent matorral with *Juniperus* spp.
 5220 * Arborescent matorral with *Zyziphus*
 5230 * Arborescent matorral with *Laurus nobilis*

53. Thermo-Mediterranean and pre-steppe brush

- 5310 *Laurus nobilis* thickets
 5320 Low formations of *Euphorbia* close to cliffs
 5330 Thermo-Mediterranean and pre-desert scrub

54. Phrygana

- 5410 West Mediterranean cliff-top phryganas (*Astragalo-Plantaginetum subulatae*)
 5420 *Sarcopoterium spinosum* phryganas
 5430 Endemic phryganas of the *Euphorbio-Verbascion*

6. NATURAL AND SEMI-NATURAL GRASSLAND FORMATIONS

61. Natural grasslands

- 6110 * Rupicolous calcareous or basophilic grasslands of the *Alysso-Sedion albi*
 6120 * Xeric sand calcareous grasslands
 6130 Calaminarian grasslands of the *Violetalia calaminariae*
 6140 Siliceous Pyrenean *Festuca eskia* grasslands
 6150 Siliceous alpine and boreal grasslands
 6160 Oro-Iberian *Festuca indigesta* grasslands
 6170 Alpine and subalpine calcareous grasslands
 6180 Macaronesian mesophile grasslands

62. Semi-natural dry grasslands and scrubland facies

- 6210 Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-
Brometalia) (* important orchid sites)
 6220 * Pseudo-steppe with grasses and annuals of the *Thero-Brachypodietea*
 6230 * Species-rich *Nardus* grasslands, on siliceous substrates in mountain areas (and submountain
 areas in Continental Europe)
 6240 * Sub-Pannonic steppic grasslands
 6250 * Pannonic loess steppic grasslands

- 6260 * Pannonic sand steppes
 6270 * Fennoscandian lowland species-rich dry to mesic grasslands
 6280 * Nordic alvar and precambrian calcareous flatrocks

63. Sclerophyllous grazed forests (dehesas)

6310 Dehesas with evergreen *Quercus* spp.

64. Semi-natural tall-herb humid meadows

- 6410 *Molinia* meadows on calcareous, peaty or clayey-silt-laden soils (*Molinion caeruleae*)
 6420 Mediterranean tall humid grasslands of the *Molinio-Holoschoenion*
 6430 Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels
 6440 Alluvial meadows of river valleys of the *Cnidion dubii*
 6450 Northern boreal alluvial meadows

65. Mesophile grasslands

- 6510 Lowland hay meadows (*Alopecurus pratensis*, *Sanguisorba officinalis*)
 6520 Mountain hay meadows
 6530 * Fennoscandian wooded meadows

7. RAISED BOGS AND MIRES AND FENS

71. Sphagnum acid bogs

- 7110 * Active raised bogs
 7120 Degraded raised bogs still capable of natural regeneration
 7130 Blanket bogs (* if active bog)
 7140 Transition mires and quaking bogs
 7150 Depressions on peat substrates of the *Rhynchosporion*
 7160 Fennoscandian mineral-rich springs and springfens

72. Calcareous fens

- 7210 * Calcareous fens with *Cladium mariscus* and species of the *Caricion davallianae*
 7220 * Petrifying springs with tufa formation (*Cratoneurion*)
 7230 Alkaline fens
 7240 * Alpine pioneer formations of the *Caricion bicoloris-atrofuscae*

73. Boreal mires

- 7310 * Aapa mires
 7320 * Palsa mires

8. ROCKY HABITATS AND CAVES

81. Scree

- 8110 Siliceous scree of the montane to snow levels (*Androsacetalia alpinae* and *Galeopsietalia ladani*)
 8120 Calcareous and calcshist screes of the montane to alpine levels (*Thlaspietea rotundifolii*)
 8130 Western Mediterranean and thermophilous scree
 8140 Eastern Mediterranean screes
 8150 Medio-European upland siliceous screes
 8160 * Medio-European calcareous scree of hill and montane levels

82. Rocky slopes with chasmophytic vegetation

- 8210 Calcareous rocky slopes with chasmophytic vegetation
 8220 Siliceous rocky slopes with chasmophytic vegetation
 8230 Siliceous rock with pioneer vegetation of the *Sedo-Scleranthion* or of the *Sedo albi-Veronicion dillenii*
 8240 * Limestone pavements

83. Other rocky habitats

- 8310 Caves not open to the public
 8320 Fields of lava and natural excavations
 8330 Submerged or partially submerged sea caves
 8340 Permanent glaciers

9. FORESTS

(Sub)natural woodland vegetation comprising native species forming forests of tall trees, with typical undergrowth, and meeting the following criteria: rare or residual, and/or hosting species of Community interest

90. Forests of Boreal Europe

- 9010 * Western Taïga
 9020 * Fennoscandian hemiboreal natural old broad-leaved deciduous forests (*Quercus*, *Tilia*, *Acer*, *Fraxinus* or *Ulmus*) rich in epiphytes
 9030 * Natural forests of primary succession stages of landupheaval coast
 9040 Nordic subalpine/subarctic forests with *Betula pubescens* ssp. *czerepanovii*
 9050 Fennoscandian herb-rich forests with *Picea abies*
 9060 Coniferous forests on, or connected to, glaciofluvial eskers
 9070 Fennoscandian wooded pastures
 9080 * Fennoscandian deciduous swamp woods

91. Forests of Temperate Europe

- 9110 *Luzulo-Fagetum* beech forests
 9120 Atlantic acidophilous beech forests with *Ilex* and sometimes also *Taxus* in the shrublayer (*Quercion robori-petraeae* or *Ilici-Fagenion*)
 9130 *Asperulo-Fagetum* beech forests
 9140 Medio-European subalpine beech woods with *Acer* and *Rumex arifolius*
 9150 Medio-European limestone beech forests of the *Cephalanthero-Fagion*
 9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests of the *Carpinion betuli*
 9170 *Galio-Carpinetum* oak-hornbeam forests
 9180 * *Tilio-Acerion* forests of slopes, screes and ravines
 9190 Old acidophilous oak woods with *Quercus robur* on sandy plains
 91A0 Old sessile oak woods with *Ilex* and *Blechnum* in the British Isles
 91B0 Thermophilous *Fraxinus angustifolia* woods
 91C0 * Caledonian forest
 91D0 * Bog woodland
 91E0 * Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*)
 91F0 Riparian mixed forests of *Quercus robur*, *Ulmus laevis* and *Ulmus minor*, or *Fraxinus angustifolia*, along the great rivers (*Ulmenion minoris*) *Fraxinus excelsior*
 91G0 * Pannonic woods with *Quercus petraea* and *Carpinus betulus*
 91H0 * Pannonian woods with *Quercus pubescens*
 91I0 * Euro-Siberian steppic woods with *Quercus* spp.
 91J0 * *Taxus baccata* woods of the British Isles

92. Mediterranean deciduous forests

- 9210 * Apennine beech forests with *Taxus* and *Ilex*
 9220 * Apennine beech forests with *Abies alba* and beech forests with *Abies nebrodensis*
 9230 Galicio-Portuguese oak woods with *Quercus robur* and *Quercus pyrenaica*
 9240 *Quercus faginea* and *Quercus canariensis* Iberian woods
 9250 *Quercus trojana* woods
 9260 *Castanea sativa* woods
 9270 Hellenic beech forests with *Abies borisii-regis*
 9280 *Quercus frainetto* woods
 9290 *Cupressus* forests (*Acero-Cupression*)
 92A0 *Salix alba* and *Populus alba* galleries

- 92B0 Riparian formations on intermittent Mediterranean water courses with *Rhododendron ponticum*, *Salix* and others
- 92C0 *Platanus orientalis* and *Liquidambar orientalis* woods (*Platanion orientalis*)
- 92D0 Southern riparian galleries and thickets (*Nerio-Tamaricetea* and *Securinegion tinctoriae*)

93. Mediterranean sclerophyllous forests

- 9310 Aegean *Quercus brachyphylla* woods
- 9320 *Olea* and *Ceratonia* forests
- 9330 *Quercus suber* forests
- 9340 *Quercus ilex* and *Quercus rotundifolia* forests
- 9350 *Quercus macrolepis* forests
- 9360 * Macaronesian laurel forests (*Laurus*, *Ocotea*)
- 9370 * Palm groves of *Phoenix*
- 9380 Forests of *Ilex aquifolium*

94. Temperate mountainous coniferous forests

- 9410 Acidophilous *Picea* forests of the montane to alpine levels (*Vaccinio-Piceetea*)
- 9420 Alpine *Larix decidua* and/or *Pinus cembra* forests
- 9430 Subalpine and montane *Pinus uncinata* forests (* if on gypsum or limestone)

95. Mediterranean and Macaronesian mountainous coniferous forests

- 9510 * Southern Apennine *Abies alba* forests
- 9520 *Abies pinsapo* forests
- 9530 * (Sub-) Mediterranean pine forests with endemic black pines
- 9540 Mediterranean pine forests with endemic Mesogean pines
- 9550 Canarian endemic pine forests
- 9560 * Endemic forests with *Juniperus* spp.
- 9570 * *Tetraclinis articulata* forests
- 9580 * Mediterranean *Taxus baccata* woods

ANNEX II
ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST WHOSE CONSERVATION
REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION

Interpretation

(a) Annex II follows on from Annex I for the establishment of a consistent network of special areas of conservation.

(b) The species listed in this Annex are indicated :

- by the name of the species or subspecies, or
- by the all the species belonging to a higher taxon or to a designated part of that taxon.

The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.

(c) *Symbols*

An asterisk (*) before the name of a species indicates that it is a priority species.

Most species listed in this Annex are also listed in Annex IV.

Where a species appears in this Annex but does not appear in either Annex IV or Annex V, the species name is followed by the symbol (o); where a species which appears in this Annex also appears in Annex V but does not appear in Annex IV, its name is followed by the symbol (V).

(a) ANIMALS
VERTEBRATES

MAMMALS**INSECTIVORA***Talpidae*

Galemys pyrenaicus

CHIROPTERA*Rhinolophidae*

Rhinolophus blasii

Rhinolophus euryale

Rhinolophus ferrumequinum

Rhinolophus hipposideros

Rhinolophus mehelyi

Vespertilionidae

Barbastella barbastellus

Miniopterus schreibersi

Myotis bechsteini

Myotis blythii

Myotis capaccinii

Myotis dasycneme

Myotis emarginatus

Myotis myotis

RODENTIA*Sciuridae*

* *Pteromys volans* (*Sciuropterus russicus*)

Spermophilus citellus (*Citellus citellus*)

Castoridae

Castor fiber (except the Finnish and Swedish populations)

Microtidae

Microtus cabreræ

* *Microtus oeconomus arenicola*

CARNIVORA*Canidae*

* *Alopex lagopus*

* *Canis lupus* (Spanish populations: only those south of the Duero; Greek populations: only south of the 39th parallel; Finnish populations excepted).

Ursidae

* *Ursus arctos* (except the Finnish and Swedish populations)

Mustelidae

* *Gulo gulo*

Lutra lutra

Mustela lutreola

Felidae

Lynx lynx (except the Finnish populations)

* *Lynx pardinus*

Phocidae

Halichoerus grypus (V)

* *Monachus monachus*

Phoca hispida bottnica (o)

* *Phoca hispida saimensis*

Phoca vitulina (V)

ARTIODACTYLA*Cervidae*

* *Cervus elaphus corsicanus*

Rangifer tarandus fennicus (o)

Bovidae

Capra aegagrus (natural populations)

* *Capra pyrenaica pyrenaica*

Ovis gmelini musimon (*Ovis ammon musimon*) (natural populations - Corsica and Sardinia)

* *Rupicapra pyrenaica ornata* (*Rupicapra rupicapra ornata*)

Rupicapra rupicapra balcanica

CETACEA

Tursiops truncatus

Phocoena phocoena

REPTILES**CHELONIA (TESTUDINES)***Testudinidae*

Testudo hermanni

Testudo graeca

Testudo marginata

Cheloniidae

* *Caretta caretta*

Emydidae

Emys orbicularis

Mauremys caspica

Mauremys leprosa

SAURIA*Lacertidae*

Lacerta bonnali (*Lacerta monticola*)

Lacerta monticola

Lacerta schreiberi

Gallotia galloti insulanagae

* *Gallotia simonyi*

Podarcis lilfordi

Podarcis pityusensis

Scincidae

Chalcides simonyi (*Chalcides occidentalis*)

Gekkonidae

Phyllodactylus europaeus

OPHIDIA (SERPENTES)*Colubridae*

Elaphe quatuorlineata

Elaphe situla

Viperidae

* *Macrovipera schweizeri* (*Vipera lebetina schweizeri*)

Vipera ursinii

AMPHIBIANS

CAUDATA

Salamandridae

Chioglossa lusitanica

Mertensiella luschani (*Salamandra luschani*)

* *Salamandra atra aurorae*

Salamandrina terdigitata

Triturus carnifex (*Triturus cristatus carnifex*)

Triturus cristatus (*Triturus cristatus cristatus*)

Triturus dobrogicus (*Triturus cristatus dobrogicus*)

Triturus karelinii (*Triturus cristatus karelinii*)

Proteidae

Proteus anguinus

Plethodontidae

Hydromantes (*Speleomantes*) *ambrosii*

Hydromantes (*Speleomantes*) *flavus*

Hydromantes (*Speleomantes*) *genei*

Hydromantes (*Speleomantes*) *imperialis*

Hydromantes (*Speleomantes*) *strinatii*

Hydromantes (*Speleomantes*) *supramontes*

ANURA

Discoglossidae

Bombina bombina

Bombina variegata

Discoglossus galganoi (including *Discoglossus "jeanneae"*)

Discoglossus montalentii

Discoglossus sardus

* *Alytes muletensis*

Ranidae

Rana latastei

Pelobatidae

* *Pelobates fuscus insubricus*

FISHES

PETROMYZONIFORMES

Petromyzonidae

Eudontomyzon spp. (o)

Lampetra fluviatilis (V) (except the Finnish and Swedish populations)

Lampetra planeri (o) (except the Finnish and Swedish populations)

Lethenteron zanandreaei (V)

Petromyzon marinus (o) (except the Swedish populations)

ACIPENSERIFORMES

Acipenseridae

* *Acipenser naccarii*

* *Acipenser sturio*

CLUPEIFORMES

Clupeidae

Alosa spp. (V)

SALMONIFORMES

Salmonidae

Hucho hucho (natural populations) (V)

Salmo salar (only in fresh water) (V) (except the Finnish populations)

Salmo marmoratus (o)

Salmo macrostigma (o)

Coregonidae

* *Coregonus oxyrhynchus* (anadromous populations in certain sectors of the North Sea)

CYPRINIFORMES

Cyprinidae

Alburnus albidus (o) (*Alburnus vulturius*)

Anaocypris hispanica

Aspius aspius (o) (except the Finnish populations)

Barbus plebejus (V)

Barbus meridionalis (V)

Barbus comiza (V)

Chalcalburnus chalcoides (o)

Chondrostoma soetta (o)

Chondrostoma polylepis (o) (including *C. willkommi*)

Chondrostoma genei (o)

Chondrostoma lusitanicum (o)

Chondrostoma toxostoma (o)

Gobio albipinnatus (o)

Gobio uranoscopus (o)

Iberocypris palaciosi (o)

**Ladigesocypris ghigii* (o)

Leuciscus lucumonis (o)

Leuciscus souffia (o)

Phoxinellus spp. (o)

Rutilus pigus (o)

Rutilus rubilio (o)

Rutilus arcasii (o)

Rutilus macrolepidotus (o)

Rutilus lemmingii (o)

Rutilus frisii meidingeri (o)

Rutilus alburnoides (o)

Rhodeus sericeus amarus (o)

Scardinius graecus (o)

Cobitidae

Cobitis trichonica (o)

Cobitis taenia (o) (except the Finnish populations)

Misgurnus fossilis (o)

Sabanejewia aurata (o)

Sabanejewia larvata (o) (*Cobitis larvata* and *Cobitis conspersa*)

SILURIFORMES

Siluridae

Silurus aristotelis (V)

ATHERINIFORMES

Cyprinodontidae

Aphanius iberus (o)

Aphanius fasciatus (o)

**Valencia hispanica*

**Valencia letourneuxi* (*Valencia hispanica*)

PERCIFORMES

Percidae

Gymnocephalus schraetzer (V)

Zingel spp. [(o) except *Zingel asper* and *Zingel zingel* (V)]

Gobiidae

Pomatoschistus canestrini (o)

Knipowitschia (*Padogobius*) *panizzae* (o)

Padogobius nigricans (o)

SCORPAENIFORMES

Cottidae

Cottus petiti (o)

Cottus gobio (o) (except the Finnish populations)

INVERTEBRATES

ARTHROPODS

CRUSTACEA

Decapoda

Austropotamobius pallipes (V)

INSECTA

Coleoptera

Agathidium pulchellum (o)

Boros schneideri (o)

Buprestis splendens

*Carabus menetriesi pacholei (o)

*Carabus olympiae

Cerambyx cerdo

Corticaria planula (o)

Cucujus cinnaberinus

Dytiscus latissimus

Graphoderus bilineatus

Limoniscus violaceus (o)

Lucanus cervus (o)

Macroplea pubipennis (o)

Mesosa myops (o)

Morimus funereus (o)

*Osmoderma eremita

Oxyporus mannerheimii (o)

Pytho kolwensis (o)

*Rosalia alpina

Stephanopachys linearis (o)

Stephanopachys substriatus (o)

Xyletinus tremulicola (o)

Hemiptera

Aradus angularis (o)

Lepidoptera

Agriades glandon aquilo (o)

*Callimorpha (Euplagia, Panaxia) quadripunctaria (o)

Clossiana improba (o)

Coenonympha oedippus

Erebia calcaria

Erebia christi

Erebia medusa polaris (o)

Eriogaster catax

Euphydryas (Eurodryas, Hypodryas) aurinia (o)

Graellsia isabellae (V)

Hesperia comma catena (o)

Hypodryas maturna

Lycaena dispar

Maculinea nausithous

Maculinea teleius

Melanargia arge

Papilio hospiton

Plebicula golgus

Xestia borealis (o)

HABITAT DIRECTIVE

Xestia brunneopicta (o)
Mantodea
Apteromantis aptera
Odonata
Coenagrion hylas (o)
Coenagrion mercuriale (o)
Cordulegaster trinacriae
Gomphus graslinii
Leucorrhinia pectoralis
Lindenia tetraphylla
Macromia splendens
Ophiogomphus cecilia
Oxygastra curtisii
Orthoptera
Baetica ustulata
ARACHNIDA
Pseudoscorpiones
Anthrenochernes stellae (o)

MOLLUSCS**GASTROPODA**

Caseolus calculus
Caseolus commixta
Caseolus sphaerula
Discula leacockiana
Discula tabellata
Discus guerinianus
Elona quimperiana
Geomalacus maculosus
Geomitra moniziana
 **Helicopsis striata austriaca* (o)
Idiomela (Helix) subplicata
Leiostyla abbreviata
Leiostyla cassida
Leiostyla corneocostata
Leiostyla gibba
Leiostyla lamellosa
Vertigo angustior (o)
Vertigo genesii (o)
Vertigo geyeri (o)
Vertigo moulinsiana (o)

BIVALVIA*Unionoida*

Margaritifera durrovensis (Margaritifera margaritifera) (V)
Margaritifera margaritifera (V)
Unio crassus

(b) PLANTS**PTERIDOPHYTA****ASPLENIACEAE**

Asplenium jahandiezii (Litard.) Rouy

BLECHNACEAE

Woodwardia radicans (L.) Sm.

DICKSONIACEAE

Culcita macrocarpa C. Presl

DRYOPTERIDACEAE

Diplazium sibiricum (Turcz. ex Kunze) Kurata

* *Dryopteris corleyi* Fraser-Jenk.

Dryopteris fragans (L.) Schott

HYMENOPHYLLACEAE

Trichomanes speciosum Willd.

ISOETACEAE

Isoetes boryana Durieu

Isoetes malinverniana Ces. & De Not.

MARSILEACEAE

Marsilea batardae Launert

Marsilea quadrifolia L.

Marsilea strigosa Willd.

OPHIOGLOSSACEAE

Botrychium simplex Hitchc.

Ophioglossum polyphyllum A. Braun

GYMNOSPERMAE

PINACEAE

* *Abies nebrodensis* (Lojac.) Mattei

ANGIOSPERMAE

ALISMATACEAE

* *Alisma wahlenbergii* (Holmberg) Juz.

Caldesia parnassifolia (L.) Parl.

Luronium natans (L.) Raf.

AMARYLLIDACEAE

Leucojum nicaeense Ard.

Narcissus asturiensis (Jordan) Pugsley

Narcissus calcicola Mendonça

Narcissus cyclamineus DC.

Narcissus fernandesii G. Pedro

Narcissus humilis (Cav.) Traub

* *Narcissus nevadensis* Pugsley

Narcissus pseudonarcissus L. subsp. *nobilis* (Haw.) A. Fernandes

Narcissus scaberulus Henriq.

Narcissus triandrus L. subsp. *capax* (Salisb.) D. A. Webb.

Narcissus viridiflorus Schousboe

BORAGINACEAE

* *Anchusa crispa* Viv.

* *Lithodora nitida* (H. Ern) R. Fernandes

Myosotis lusitanica Schuster

Myosotis rehsteineri Wartm.

Myosotis retusifolia R. Afonso

Omphalodes kuzinskyanae Willk.

* *Omphalodes littoralis* Lehm.

Solenanthes albanicus (Degen & al.) Degen & Baldacci

* *Symphytum cycladense* Pawl.

CAMPANULACEAE

Asyneuma giganteum (Boiss.) Bornm.

* *Campanula sabatia* De Not.

Jasione crispa (Pourret) Samp. subsp. *serpentinica* Pinto da Silva

Jasione lusitanica A. DC.

CARYOPHYLLACEAE

Arenaria ciliata L. ssp. *pseudofrigida* Ostenf. & O.C. Dahl

Arenaria humifusa Wahlenberg

* *Arenaria nevadensis* Boiss. & Reuter

Arenaria provincialis Chater & Halliday

Dianthus arenarius L. subsp. *arenarius*

Dianthus cintranus Boiss. & Reuter subsp. *cintranus* Boiss. & Reuter

Dianthus marizii (Samp.) Samp.

Dianthus rupicola Biv.

* *Gypsophila papillosa* P. Porta

Herniaria algarvica Chaudhri

* *Herniaria latifolia* Lapeyr. subsp. *litardierei* Gamis

Herniaria lusitanica (Chaudhri) subsp. *berlengiana* Chaudhri

Herniaria maritima Link

Moehringia lateriflora (L.) Fenzl.

Moehringia tommasinii Marches.

Petrocoptis grandiflora Rothm.

Petrocoptis montsicciana O. Bolos & Rivas Mart.

Petrocoptis pseudoviscosa Fernandez Casas

Silene furcata Rafin. ssp. *angustiflora* (Rupr.) Walters

* *Silene hicesiae* Brullo & Signorello

Silene hifacensis Rouy ex Willk.

* *Silene holzmanii* Heldr. ex Boiss.

Silene longicilia (Brot.) Otth.

Silene mariana Pau

* *Silene orphanidis* Boiss

* *Silene rothmaleri* Pinto da Silva

* *Silene velutina* Pourret ex Loisel.

CHENOPODIACEAE

* *Bassia* (*Kochia*) *saxicola* (Guss.) A. J. Scott

* *Salicornia veneta* Pignatti & Lausi

CISTACEAE

Cistus palhinhae Ingram

Halimium verticillatum (Brot.) Sennen

Helianthemum alypoides Losa & Rivas Goday

Helianthemum caput-felis Boiss.

* *Tuberaria major* (Willk.) Pinto da Silva & Rozeira

COMPOSITAE

* *Anthemis glaberrima* (Rech. f.) Greuter

Artemisia campestris L. subsp. *bottnica* A.N. Lundström ex Kindb.

* *Artemisia granatensis* Boiss.

* *Artemisia laciniata* Willd.

Artemisia oelandica (Besser) Komaror

* *Artemisia pancicii* (Janka) Ronn.

* *Aster pyrenaicus* Desf. ex DC

* *Aster sorrentinii* (Tod) Lojac.

* *Carduus myriacanthus* Salzm. ex DC.

* *Centaurea alba* L. subsp. *heldreichii* (Halacsy) Dostal

* *Centaurea alba* L. subsp. *princeps* (Boiss. & Heldr.) Gugler

* *Centaurea attica* Nyman subsp. *megarensis* (Halacsy & Hayek) Dostal

* *Centaurea balearica* J. D. Rodriguez

* *Centaurea borjajae* Valdes-Berm. & Rivas Goday

* *Centaurea citricolor* Font Quer

Centaurea corymbosa Pourret

Centaurea gadorensis G. Blanca

* *Centaurea horrida* Badaro

* *Centaurea kalambakensis* Freyn & Sint.

Centaurea kartschiana Scop.

* *Centaurea lactiflora* Halacsy

Centaurea micrantha Hoffmanns. & Link subsp. *herminii* (Rouy) Dostál

* *Centaurea niederi* Heldr.

* *Centaurea peucedanifolia* Boiss. & Orph.

**Centaurea pinnata* Pau
Centaurea pulvinata (G. Blanca) G. Blanca
Centaurea rothmalerana (Arènes) Dostál
Centaurea vicentina Mariz
 * *Crepis crocifolia* Boiss. & Heldr.
Crepis granatensis (Willk.) B. Blanca & M. Cueto
Crepis tectorum L. subsp. *nigrescens*
Erigeron frigidus Boiss. ex DC.
Hymenostemma pseudanthemis (Kunze) Willd.
 **Jurinea cyanoides* (L.) Reichenb.
 **Jurinea fontqueri* Cuatrec.
 **Lamyropsis microcephala* (Moris) Dittrich & Greuter
Leontodon microcephalus (Boiss. ex DC.) Boiss.
Leontodon boryi Boiss.
 * *Leontodon siculus* (Guss.) Finch & Sell
Leuzea longifolia Hoffmanns. & Link
Ligularia sibirica (L.) Cass.
Santolina impressa Hoffmanns. & Link
Santolina semidentata Hoffmanns. & Link
 * *Senecio elodes* Boiss. ex DC.
Senecio jacobea L. subsp. *gotlandicus* (Neuman) Sterner
Senecio nevadensis Boiss. & Reuter
 CONVULVULACEAE
 **Convolvulus argyrothamnus* Greuter
 **Convolvulus fernandesii* Pinto da Silva & Teles
 CRUCIFERAE
Alyssum pyrenaicum Lapeyr.
Arabis sadina (Samp.) P. Cout.
 * *Biscutella neustriaca* Bonnet
Biscutella vincentina (Samp.) Rothm.
Boleum asperum (Pers.) Desvoux
Brassica glabrescens Poldini
Brassica insularis Moris
 * *Brassica macrocarpa* Guss.
Braya linearis Rouy
 **Coincya rupestris* Rouy
 **Coronopus navasii* Pau
Diploaxis ibicensis (Pau) Gomez-Campo
 * *Diploaxis siettiana* Maire
Diploaxis vicentina (P. Cout.) Rothm.
Draba cacuminum Elis Ekman
Draba cinerea Adams
Erucastrum palustre (Pirona) Vis.
 * *Iberis arbuscula* Runemark
Iberis procumbens Lange subsp. *microcarpa* Franco & Pinto da Silva
 * *Jonopsidium acaule* (Desf.) Reichenb.
Jonopsidium savianum (Caruel) Ball ex Arcang.
Rhynchosinapis erucastrum (L.) Dandy ex Clapham subsp. *cintrana* (Coutinho)
 Franco & P. Silva (*Coincya cintrana* (P. Cout.) Pinto da Silva)
Sisymbrium cavanillesianum Valdes & Castroviejo
Sisymbrium supinum L.
 CYPERACEAE
Carex holostoma Drejer
 * *Carex panormitana* Guss.
Eleocharis carniolica Koch
 DIOSCOREACEAE

* *Borderea chouardii* (Gaussen) Heslot

DROSERACEAE

Aldrovanda vesiculosa L.

EUPHORBIACEAE

* *Euphorbia margalidiana* Kuhbier & Lewejohann

Euphorbia transtagana Boiss.

GENTIANACEAE

* *Centaurium rigualii* Esteve

* *Centaurium somedanum* Lainz

Gentiana ligustica R. de Vilm. & Chopinet

Gentianella anglica (Pugsley) E. F. Warburg

GERANIACEAE

* *Erodium astragaloides* Boiss. & Reuter

Erodium paularense Fernandez-Gonzalez & Izco

* *Erodium rupicola* Boiss.

GLOBULARIACEAE

* *Globularia stygia* Orph. ex Boiss.

GRAMINEAE

Arctagrostis latifolia (R. Br.) Griseb.

Arctophila fulva (Trin.) N. J. Anderson

Avenula hackelii (Henriq.) Holub

Bromus grossus Desf. ex DC.

Calamagrostis chalybaea (Laest.) Fries

Cinna latifolia (Trev.) Griseb.

Coleanthus subtilis (Tratt.) Seidl

Festuca brigantina (Markgr.-Dannenb.) Markgr.-Dannenb.

Festuca duriotagana Franco & R. Afonso

Festuca elegans Boiss.

Festuca henriquesii Hack.

Festuca summilusitana Franco & R. Afonso

Gaudinia hispanica Stace & Tutin

Holcus setiglumis Boiss. & Reuter subsp. *duriensis* Pinto da Silva

Micropyropsis tuberosa Romero - Zarco & Cabezudo

Pseudarrhenatherum pallens (Link) J. Holub

Puccinellia phryganodes (Trin.) Scribner + Merr.

Puccinellia pungens (Pau) Paunero

* *Stipa austroitalica* Martinovsky

* *Stipa bavarica* Martinovsky & H. Scholz

* *Stipa styriaca* Martinovsky

* *Stipa veneta* Moraldo

Trisetum subalpestre (Hartman) Neuman

GROSSULARIACEAE

* *Ribes sardoum* Martelli

HIPPURIDACEAE

Hippuris tetraphylla L. Fil.

HYPERICACEAE

* *Hypericum aciferum* (Greuter) N.K.B. Robson

JUNCACEAE

Juncus valvatus Link

Luzula arctica Blytt

LABIATAE

Dracocephalum austriacum L.

* *Micromeria taygetea* P. H. Davis

Nepeta dirphyia (Boiss.) Heldr. ex Halacsy

* *Nepeta sphaciotica* P. H. Davis

Origanum dictamnus L.

Sideritis incana subsp. glauca (Cav.) Malagarriga
 Sideritis javalambrensis Pau
 Sideritis serrata Cav. ex Lag.
 Teucrium lepicephalum Pau
 Teucrium turredanum Losa & Rivas Goday
 * Thymus camphoratus Hoffmanns. & Link
 Thymus carnosus Boiss.
 * Thymus lotocephalus G. López & R. Morales (Thymus cephalotos L.)

LEGUMINOSAE

Anthyllis hystrix Cardona, Contandr. & E. Sierra
 *Astragalus algarbiensis Coss. ex Bunge
 *Astragalus aquilanus Anzalone
 Astragalus centralpinus Braun-Blanquet
 *Astragalus maritimus Moris
 Astragalus tremolsianus Pau
 *Astragalus verrucosus Moris
 *Cytisus aeolicus Guss. ex Lindl.
 Genista dorycnifolia Font Quer
 Genista holopetala (Fleischm. ex Koch) Baldacci
 Melilotus segetalis (Brot.) Ser. subsp. fallax Franco
 *Ononis hackelii Lange
 Trifolium saxatile All.
 *Vicia bifoliolata J.D. Rodriguez

LENTIBULARIACEAE

Pinguicula nevadensis (Lindb.) Casper

LILIACEAE

Allium grosii Font Quer
 *Androcymbium rechingeri Greuter
 *Asphodelus bento-rainhae P. Silva
 Hyacinthoides vicentina (Hoffmanns. & Link) Rothm.
 *Muscari gussonei (Parl.) Tod.

LINACEAE

*Linum muelleri Moris (Linum maritimum muelleri)

LYTHRACEAE

*Lythrum flexuosum Lag.

MALVACEAE

Kosteletzkya pentacarpos (L.) Ledeb.

NAJADACEAE

Najas flexilis (Willd.) Rostk. & W.L. Schmidt
 Najas tenuissima (A. Braun) Magnus

ORCHIDACEAE

Calypso bulbosa L.

*Cephalanthera cucullata Boiss. & Heldr.

Cypripedium calceolus L.

Gymnigritella runei Teppner & Klein

Liparis loeselii (L.) Rich.

*Ophrys lunulata Parl.

Platanthera obtusata (Pursh) subsp. oligantha (Turez.) Hulten

PAEONIACEAE

Paeonia cambessedesii (Willk.) Willk.

Paeonia parnassica Tzanoudakis

Paeonia clusii F.C. Stern subsp. rhodia (Stearn) Tzanoudakis

PALMAE

Phoenix theophrasti Greuter

PAPAVERACEAE

Corydalis gotlandica Lidén

Papaver laestadianum (Nordh.) Nordh.
Papaver radicum Rottb. subsp. *hyperboreum* Nordh.
 PLANTAGINACEAE
Plantago algarbiensis Sampaio (*Plantago bracteosa* (Willk.) G. Sampaio)
Plantago almogravensis Franco
 PLUMBAGINACEAE
Armeria berlengensis Daveau
 **Armeria helodes* Martini & Pold
Armeria neglecta Girard
Armeria pseudarmeria (Murray) Mansfeld
 **Armeria rouyana* Daveau
Armeria soleirolii (Duby) Godron
Armeria velutina Welw. ex Boiss. & Reuter
Limonium dodartii (Girard) O. Kuntze subsp. *lusitanicum* (Daveau) Franco
 **Limonium insulare* (Beg. & Landi) Arrig. & Diana
Limonium lanceolatum (Hoffmans. & Link) Franco
Limonium multiflorum Erben
 **Limonium pseudolaetum* Arrig. & Diana
 **Limonium strictissimum* (Salzmann) Arrig.
 POLYGONACEAE
Persicaria foliosa (H. Lindb.) Kitag.
Polygonum praelongum Coode & Cullen
Rumex rupestris Le Gall
 PRIMULACEAE
Androsace mathildae Levier
Androsace pyrenaica Lam.
 **Primula apennina* Widmer
Primula nutans Georgi
Primula palinuri Petagna
Primula scandinavica Bruun
Soldanella villosa Darracq.
 RANUNCULACEAE
 **Aconitum corsicum* Gay (Aconitum *napellus* subsp. *corsicum*)
Adonis distorta Ten.
Aquilegia bertolonii Schott
Aquilegia kitaibelii Schott
 **Aquilegia pyrenaica* D.C. subsp. *cazorlensis* (Heywood) Galiano
 **Consolida samia* P.H. Davis
Pulsatilla patens (L.) Miller
Ranunculus lapponicus L.
Pulsatilla vulgaris Hill. subsp. *gotlandica* (Johanss.) Zaemelis & Paegle
 **Ranunculus weyleri* Mares
 RESEDACEAE
 **Reseda decursiva* Forssk.
 ROSACEAE
Agrimonia pilosa Ledebour
Potentilla delphinensis Gren. & Godron
Sorbus teodorii Liljefors
 RUBIACEAE
 **Galium litorale* Guss.
 **Galium viridiflorum* Boiss. & Reuter
 SALICACEAE
Salix salvifolia Brot. subsp. *australis* Franco
 SANTALACEAE
Thesium ebracteatum Hayne
 SAXIFRAGACEAE

Saxifraga berica (Beguinot) D.A. Webb
Saxifraga florulenta Moretti
Saxifraga hirculus L.
Saxifraga osloënsis Knaben
Saxifraga tombeanensis Boiss. ex Engl.
 SCROPHULARIACEAE
Antirrhinum charidemi Lange
Chaenorrhinum serpyllifolium (Lange) Lange
 subsp. *lusitanicum* R. Fernandes
 **Euphrasia genargentea* (Feoli) Diana
Euphrasia marchesettii Wettst. ex Marches.
Linaria algarviana Chav.
Linaria coutinhoi Valdés
 **Linaria ficalhoana* Rouy
Linaria flava (Poiret) Desf.
 **Linaria hellenica* Turrill
 **Linaria ricardoi* Cout.
 **Linaria tursica* B. Valdes & Cabezudo
Linaria tonzigii Lona
Odontites granatensis Boiss.
Verbascum litigiosum Samp.
Veronica micrantha Hoffmanns. & Link
 **Veronica oetaea* L.-A. Gustavsson
 SOLANACEAE
 **Atropa baetica* Willk.
 THYMELAEACEAE
Daphne petraea Leybold
 **Daphne rodriguezii* Texidor
 ULMACEAE
Zelkova abelicea (Lam.) Boiss.
 UMBELLIFERAE
 * *Angelica heterocarpa* Lloyd
Angelica palustris (Besser) Hoffm.
 * *Apium bermejoi* Llorens
Apium repens (Jacq.) Lag.
Athamanta cortiana Ferrarini
 **Bupleurum capillare* Boiss. & Heldr.
 * *Bupleurum kakiskalae* Greuter
Eryngium alpinum L.
 **Eryngium viviparum* Gay
 **Laserpitium longiradium* Boiss.
 * *Naufraja balearica* Constans & Cannon
 **Oenanthe conioides* Lange
Petagnia saniculifolia Guss.
Rouya polygama (Desf.) Coincy
 * *Seseli intricatum* Boiss.
Thorella verticillatinundata (Thore) Briq.
 VALERIANACEAE
Centranthus trinervis (Viv.) Beguinot
 VIOLACEAE
 * *Viola hispida* Lam.
Viola jaubertiana Mares & Vigineix
Viola rupestris F.W. Schmidt
 subsp. *relicta* Jalas

Lower plants

BRYOPHYTA

- Bruchia vogesiaca* Schwaegr. (o)
Bryhnia novae-angliae (Sull & Lesq.) Grout (o)
 **Bryoerythrophyllum campylocarpum* (C. Müll.) Crum. (*Bryoerythrophyllum machadoanum* (Sergio) M. O. Hill) (o)
Buxbaumia viridis (Moug.) Moug. & Nestl. (o)
Cephalozia macounii (Aust.) Aust. (o)
Cynodontium suecicum (H. Arn. & C. Jens.) I. Hag. (o)
Dichelyma capillaceum (Dicks) Myr. (o)
Dicranum viride (Sull. & Lesq.) Lindb. (o)
Distichophyllum carinatum Dix. & Nich. (o)
Drepanocladus (Hamatocaulis) vernicosus (Mitt.) Warnst. (o)
Encalypta mutica (I. Hagen) (o)
Hamatocaulis lapponicus (Norrl.) Hedenäs (o)
Herzogiella turfacea (Lindb.) I. Wats. (o)
Hygrohypnum montanum (Lindb.) Broth. (o)
Jungermannia handelii (Schiffn.) Amak. (o)
Mannia triandra (Scop.) Grolle (o)
 * *Marsupella profunda* Lindb. (o)
Meesia longiseta Hedw. (o)
Nothothylas orbicularis (Schwein.) Sull. (o)
Orthothecium lapponicum (Schimp.) C. Hartm. (o)
Orthotrichum rogeri Brid. (o)
Petalophyllum ralfsii (Wils.) Nees & Gott. (o)
Plagiomnium drummondii (Bruch & Schimp.) T. Kop. (o)
Riccia breidleri Jur. (o)
Riella helicophylla (Bory & Mont.) Mont. (o)
Scapania massolongi (K. Müll.) K. Müll. (o)
Sphagnum pylaisii Brid. (o)
Tayloria rudolphiana (Garov) B. & S. (o)
Tortella rigens (N. Alberts) (o)

SPECIES FOR MACARONESIA**PTERIDOPHYTA****HYMENOPHYLLACEAE**

Hymenophyllum maderensis Gibby & Lovis

DRYOPTERIDACEAE

* *Polystichum drepanum* (Sw.) C. Presl.

ISOETACEAE

Isoetes azorica Durieu & Paiva ex Milde

MARSILEACEAE

* *Marsilea azorica* Launert & Paiva

ANGIOSPERMAE**ASCLEPIADACEAE**

Caralluma burchardii N. E. Brown

* *Ceropegia chrysantha* Svent.

BORAGINACEAE

Echium candicans L. fil.

* *Echium gentianoides* Webb & Coincy

Myosotis azorica H. C. Watson

Myosotis maritima Hochst. in Seub.

CAMPANULACEAE

* *Azorina vidalii* (H. C. Watson) Feer

Musschia aurea (L. f.) DC.

* *Musschia wollastonii* Lowe

HABITAT DIRECTIVE

CAPRIFOLIACEAE

* *Sambucus palmensis* Link

CARYOPHYLLACEAE

Spergularia azorica (Kindb.) Lebel

CELASTRACEAE

Maytenus umbellata (R. Br.) Mabb.

CHENOPODIACEAE

Beta patula Ait.

CISTACEAE

Cistus chinamadensis Banares & Romero

* *Helianthemum bystropogophyllum* Svent.

COMPOSITAE

Andryala crithmifolia Ait.

* *Argyranthemum lidii* Humphries

Argyranthemum thalassophyllum (Svent.) Hump.

Argyranthemum winterii (Svent.) Humphries

* *Atractylis arbuscula* Svent. & Michaelis

Atractylis preauxiana Schultz.

Calendula maderensis DC.

Cheirolophus duranii (Burchard) Holub

Cheirolophus ghomerytus (Svent.) Holub

Cheirolophus junonianus (Svent.) Holub

Cheirolophus massonianus (Lowe) Hansen & Sund.

Cirsium latifolium Lowe

Helichrysum gossypinum Webb

Helichrysum monogynum Burt & Sund.

Hypochoeris oligocephala (Svent. & Bramw.) Lack

* *Lactuca watsoniana* Trel.

* *Onopordum nogalesii* Svent.

* *Onopordum carduelinum* Bolle

* *Pericallis hadrosoma* (Svent.) B. Nord.

Phagnalon benettii Lowe

Stemmacantha cynaroides (Chr. Son. in Buch) Ditt

Sventenia bupleuroides Font Quer

* *Tanacetum ptarmiciflorum* Webb & Berth

CONVOLVULACEAE

* *Convolvulus caput-medusae* Lowe

* *Convolvulus lopez-socasii* Svent.

* *Convolvulus massonii* A. Dietr.

CRASSULACEAE

Aeonium gomeraense Praeger

Aeonium saundersii Bolle

Aichryson dumosum (Lowe) Praeg.

Monanthes wildpretii Banares & Scholz

Sedum brissemoretii Raymond-Hamet

CRUCIFERAE

* *Crambe arborea* Webb ex Christ

Crambe laevigata DC. ex Christ

* *Crambe sventenii* R. Petters ex Bramwell & Sund.

* *Parolinia schizogynoides* Svent.

Sinapidendron rupestre (Ait.) Lowe

CYPERACEAE

Carex malato-belizii Raymond

DIPSACACEAE

Scabiosa nitens Roemer & J. A. Schultes

ERICACEAE

Erica scoparia L. subsp. *azorica* (Hochst.) D. A. Webb

EUPHORBIACEAE

* *Euphorbia handiensis* Burchard

Euphorbia lambii Svent.

Euphorbia stygiana H. C. Watson

GERANIACEAE

* *Geranium maderense* P. F. Yeo

GRAMINEAE

Deschampsia maderensis (Haeck. & Born.) Buschm.

Phalaris maderensis (Menezes) Menezes

GLOBULARIACEAE

* *Globularia ascanii* D. Bramwell & Kunkel

* *Globularia sarcophylla* Svent.

LABIATAE

* *Sideritis cystosiphon* Svent.

* *Sideritis discolor* (Webb ex de Noe) Bolle

Sideritis infernalis Bolle

Sideritis marmorea Bolle

Teucrium abutiloides L'Hér.

Teucrium betonicum L'Hér.

LEGUMINOSAE

* *Anagyris latifolia* Brouss. ex. Willd.

Anthyllis lemanniana Lowe

* *Dorycnium spectabile* Webb & Berthel

* *Lotus azoricus* P. W. Ball

Lotus callis-viridis D. Bramwell & D. H. Davis

* *Lotus kunkelii* (E. Chueca) D. Bramwell & al.

* *Teline rosmarinifolia* Webb & Berthel.

* *Teline salsoloides* Arco & Acebes.

Vicia dennesiana H. C. Watson

LILIACEAE

* *Androcymbium psammophilum* Svent.

Scilla maderensis Menezes

Semele maderensis Costa

LORANTHACEAE

Arceuthobium azoricum Wiens & Hawksw.

MYRICACEAE

* *Myrica rivas-martinezii* Santos.

OLEACEAE

Jasminum azoricum L.

Picconia azorica (Tutin) Knobl.

ORCHIDACEAE

Goodyera macrophylla Lowe

PITTOSPORACEAE

* *Pittosporum coriaceum* Dryand. ex. Ait.

PLANTAGINACEAE

Plantago malato-belizii Lawalree

PLUMBAGINACEAE

* *Limonium arborescens* (Brouss.) Kuntze

Limonium dendroides Svent.

* *Limonium spectabile* (Svent.) Kunkel & Sunding

* *Limonium sventenii* Santos & Fernandez Galvan

POLYGONACEAE

Rumex azoricus Rech. fil.

RHAMNACEAE

Frangula azorica Tutin

ROSACEAE

- * *Bencomia brachystachya* Svent.
- Bencomia sphaerocarpa* Svent.
- * *Chamaemeles coriacea* Lindl.
- Dendriopoterium pulidoi* Svent.
- Marcetella maderensis* (Born.) Svent.
- Prunus lusitanica* L.
- subsp. *azorica* (Mouillef.) Franco
- Sorbus maderensis* (Lowe) Dode

SANTALACEAE

Kunkeliella subsucculenta Kammer

SCROPHULARIACEAE

- * *Euphrasia azorica* H.C. Watson
- Euphrasia grandiflora* Hochst. in Seub.
- * *Isoplexis chalcantha* Svent. & O'Shanahan
- Isoplexis isabelliana* (Webb & Berthel.) Masferrer
- Odontites holliana* (Lowe) Benth.
- Sibthorpia peregrina* L.

SOLANACEAE

- * *Solanum lidii* Sunding

UMBELLIFERAE

- Ammi trifoliatum* (H. C. Watson) Trelease
- Bupleurum handiense* (Bolle) Kunkel
- Chaerophyllum azoricum* Trelease
- Ferula latipinna* Santos
- Melanoselinum decipiens* (Schrader & Wendl.) Hoffm.
- Monizia edulis* Lowe
- Oenanthe divaricata* (R. Br.) Mabb.
- Sanicula azorica* Guthnick ex Seub.

VIOLACEAE

Viola paradoxa Lowe

Lower plants

BRYOPHYTA

- **Echinodium spinosum* (Mitt.) Jur. (o)
- **Thamnobryum fernandesii* Sergio (o)

ANNEX III

CRITERIA FOR SELECTING SITES ELIGIBLE FOR IDENTIFICATION AS SITES OF COMMUNITY IMPORTANCE AND DESIGNATION AS SPECIAL AREAS OF CONSERVATION

STAGE 1: Assessment at national level of the relative importance of sites for each natural habitat type in Annex I and each species in Annex II (including priority natural habitat types and priority species)

A. Site assessment criteria for a given natural habitat type in Annex I

- (a) Degree of representativity of the natural habitat type on the site.
- (b) Area of the site covered by the natural habitat type in relation to the total area covered by that natural habitat type within national territory.
- (c) Degree of conservation of the structure and functions of the natural habitat type concerned and restoration possibilities.
- (d) Global assessment of the value of the site for conservation of the natural habitat type concerned.

B. Site assessment criteria for a given species in Annex II

- (a) Size and density of the population of the species present on the site in relation to the populations present within national territory.
- (b) Degree of conservation of the features of the habitat which are important for the species concerned and restoration possibilities.
- (c) Degree of isolation of the population present on the site in relation to the natural range of the species.
- (d) Global assessment of the value of the site for conservation of the species concerned.

C. On the basis of these criteria, Member States will classify the sites which they propose on the national list as sites eligible for identification as sites of Community importance according to their relative value for the conservation of each natural habitat type in Annex I or each species in Annex II.

D. That list will show the sites containing the priority natural habitat types and priority species selected by the Member States on the basis of the criteria in A and B above.

STAGE 2: Assessment of the Community importance of the sites included on the national lists

1. All the sites identified by the Member States in Stage 1 which contain priority natural habitat types and/or species will be considered as sites of Community importance.
2. The assessment of the Community importance of other sites on Member States' lists, i.e. their contribution to maintaining or re-establishing, at a favourable conservation status, a natural habitat in Annex I or a species in Annex II and/or to the coherence of Natura 2000 will take account of the following criteria:
 - (a) relative value of the site at national level;
 - (b) geographical situation of the site in relation to migration routes of species in Annex II and whether it belongs to a continuous ecosystem situated on both sides of one or more internal Community frontiers;
 - (c) total area of the site;
 - (d) number of natural habitat types in Annex I and species in Annex II present on the site;
 - (e) global ecological value of the site for the biogeographical regions concerned and/or for the whole of the territory referred to in Article 2, as regards both the characteristic of unique aspect of its features and the way they are combined.

ANNEX IV
ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST
IN NEED OF STRICT PROTECTION

The species listed in this Annex are indicated:

- by the name of species or subspecies, or

- by the body of species belonging to a higher taxon or to a designated part of that taxon.

The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.

(a) ANIMALS VERTEBRATES MAMMALS

INSECTIVORA

Erinaceidae

-Erinaceus algirus

Soricidae

-Crocidura canariensis

Talpidae

-Galemys pyrenaicus

MICROCHIROPTERA

All species

RODENTIA

Gliridae

-All species except Glis glis and Eliomys quercinus

Sciuridae

-Citellus citellus

-Sciurus anomalus

Castoridae

-Castor fiber

Cricetidae

-Cricetus cricetus

Microtidae

-Microtus cabrerae

-Microtus oeconomus arenicola

Zapodidae

-Sicista betulina

Hystricidae

-Hystrix cristata

CARNIVORA

Canidae

HABITAT DIRECTIVE

-*Canis lupus* (Except Spanish populations north of the Duero and Greek populations north of the 39th parallel)

Ursidae

-*Ursus arctos*

Mustelidae

-*Lutra lutra*

-*Mustela lutreola*

Felidae

-*Felis silvestris*

-*Lynx lynx*

-*Lynx pardina*

Phocidae

-*Monachus monachus*

ARTIODACTYLA

Cervidae

-*Cervus elaphus corsicanus*

Bovidae

-*Capra aegagrus* (natural populations)

-*Capra pyrenaica pyrenaica*

-*Ovis ammon musimon* (natural populations - Corsica and Sardinia)

-*Rupicapra rupicapra balcanica*

-*Rupicapra ornata*

CETACEA

All species

REPTILES

TESTUDINATA

Testudinidae

-*Testudo hermanni*

-*Testudo graeca*

-*Testudo marginata*

Cheloniidae

-*Caretta caretta*

-*Chelonia mydas*

-*Lepidochelys kempii*

-*Eretmochelys imbricata*

Dermochelyidae

-*Dermochelys coriacea*

Emydidae

-*Emys orbicularis*

HABITAT DIRECTIVE

-*Mauremys caspica*

-*Mauremys leprosa*

SAURIA

Lacertidae

-*Algyroides fitzingeri*

-*Algyroides marchi*

-*Algyroides moreoticus*

-*Algyroides nigropunctatus*

-*Lacerta agilis*

-*Lacerta bedriagae*

-*Lacerta danfordi*

-*Lacerta dugesi*

-*Lacerta graeca*

-*Lacerta horvathi*

-*Lacerta monticola*

-*Lacerta schreiberi*

-*Lacerta trilineata*

-*Lacerta viridis*

-*Gallotia atlantica*

-*Gallotia galloti*

-*Gallotia galloti insulanagae*

-*Gallotia simonyi*

-*Gallotia stehlini*

-*Ophisops elegans*

-*Podarcis erhardii*

-*Podarcis filfolensis*

-*Podarcis hispanica atrata*

-*Podarcis lilfordi*

-*Podarcis melisellensis*

-*Podarcis milensis*

-*Podarcis muralis*

-*Podarcis peloponnesiaca*

-*Podarcis pityusensis*

-*Podarcis sicula*

-*Podarcis taurica*

-*Podarcis tiliguerta*

-*Podarcis wagleriana*

Scincidae

- Ablepharus kitaibelli
- Chalcides bedriagai
- Chalcides occidentalis
- Chalcides ocellatus
- Chalcides sexlineatus
- Chalcides viridianus
- Ophiomorus punctatissimus

Gekkonidae

- Cyrtopodion kotschy
- Phyllodactylus europaeus
- Tarentola angustimentalis
- Tarentola boettgeri
- Tarentola delalandii
- Tarentola gomerensis

Agamidae

- Stellio stellio

Chamaeleontidae

- Chamaeleo chamaeleon

Anguidae

- Ophisaurus apodus

OPHIDIA

Colubridae

- Coluber caspius
- Coluber hippocrepis
- Coluber jugularis
- Coluber laurenti
- Coluber najadum
- Coluber nummifer
- Coluber viridiflavus
- Coronella austriaca
- Eirenis modesta
- Elaphe longissima
- Elaphe quatuorlineata
- Elaphe situla
- Natrix natrix cetti
- Natrix natrix corsa
- Natrix tessellata
- Telescopus falax

Viperidae

- Vipera ammodytes*
- Vipera schweizeri*
- Vipera seoanni* (except Spanish populations)
- Vipera ursinii*
- Vipera xanthina*

Boidae

- Eryx jaculus*

AMPHIBIANS

CAUDATA

Salamandridae

- Chioglossa lusitanica*
- Euproctus asper*
- Euproctus montanus*
- Euproctus platycephalus*
- Salamandra atra*
- Salamandra aurorae*
- Salamandra lanzai*
- Salamandra luschani*
- Salamandrina terdigitata*
- Triturus carnifex*
- Triturus cristatus*
- Triturus italicus*
- Triturus karelinii*
- Triturus marmoratus*

Proteidae

- Proteus anguinus*

Plethodontidae

- Speleomantes ambrosii*
- Speleomantes flavus*
- Speleomantes genei*
- Speleomantes imperialis*
- Speleomantes italicus*
- Speleomantes supramontes*

ANURA

Discoglossidae

- Bombina bombina*
- Bombina variegata*

HABITAT DIRECTIVE

- Discoglossus galganoi
- Discoglossus jeanneae
- Discoglossus montalentii
- Discoglossus pictus
- Discoglossus sardus
- Alytes cisternasii
- Alytes muletensis
- Alytes obstetricans

Ranidae

- Rana arvalis
- Rana dalmatina
- Rana graeca
- Rana iberica
- Rana italica
- Rana latastei
- Rana lessonae

Pelobatidae

- Pelobates cultripes
- Pelobates fuscus
- Pelobates syriacus

Buфонidae

- Bufo calamita
- Bufo viridis

Hylidae

- Hyla arborea
- Hyla meridionalis
- Hyla sarda

FISH

ACIPENSERIFORMES

Acipenseridae

- Acipenser naccarii
- Acipenser sturio

ATHERINIFORMES

Cyprinodontidae

- Valencia hispanica

CYPRINIFORMES

Cyprinidae

- Anaecypris hispanica

HABITAT DIRECTIVE

PERCIFORMES

Percidae

-Zingel asper

SALMONIFORMES

Coregonidae

-Coregonus oxyrinchus (anadromous populations in certain sectors of the North Sea)

INVERTEBRATES ARTHROPODS

INSECTA

Coleoptera

-Buprestis splendens

-Carabus olympiae

-Cerambyx cerdo

-Cucujus cinnaberinus

-Dytiscus latissimus

-Graphoderus bilineatus

-Osmoderma eremita

-Rosalia alpina

Lepidoptera

-Apatura metis

-Coenonympha hero

-Coenonympha oedippus

-Erebia calcaria

-Erebia christi

-Erebia sudetica

-Eriogaster catax

-Fabriciana elisa

-Hypodryas maturna

-Hyles hippophaes

-Lopinga achine

-Lycaena dispar

-Maculinea arion

-Maculinea nausithous

-Maculinea teleius

-Melanagria arge

-Papilio alexanor

-Papilio hospiton

-Parnassius apollo

-Parnassius mnemosyne

HABITAT DIRECTIVE

- Plebicula golgus
- Proserpinus proserpina
- Zerynthia polyxena

Mantodea

- Apteromantis aptera

Odonata

- Aeshna viridis
- Cordulegaster trinacriae
- Gomphus graslinii
- Leucorrhina albifrons
- Leucorrhina caudalis
- Leucorrhina pectoralis
- Lindenia tetraphylla
- Macromia splendens
- Ophiogomphus cecilia
- Oxygastra curtisii
- Stylurus flavipes
- Sympecma braueri

Orthoptera

- Baetica ustulata
- Saga pedo

ARACHNIDA

Araneae

- Macrothele calpeiana

MOLLUSCS

GASTROPODA

Prosobranchia

- Patella feruginea

Stylommatophora

- Caseolus calculus
- Caseolus commixta
- Caseolus sphaerula
- Discula leacockiana
- Discula tabellata
- Discula testudinalis
- Discula turricula
- Discus defloratus
- Discus guerinianus

HABITAT DIRECTIVE

- Elona quimperiana
- Geomalacus maculosus
- Geomitra moniziana
- Helix subplicata
- Leiostyla abbreviata
- Leiostyla cassida
- Leiostyla corneocostata
- Leiostyla gibba
- Leiostyla lamellosa

BIVALVIA

Anisomyaria

- Lithophaga lithophaga
- Pinna nobilis

Unionoida

- Margaritifera auricularia
- Unio crassus

ECHINODERMATA

Echinoidea

- Centrostephanus longispinus

(b) PLANTS Annex IV (b) contains all the plant species listed in Annex II (b) ⁽¹⁾ plus those mentioned below

PTERIDOPHYTA

ASPLENIACEAE

- Asplenium hemionitis L.

ANGIOSPERMAE

AGAVACEAE

- Dracaena draco (L.) L.

AMARYLLIDACEAE

- Narcissus longispathus Pugsley
- Narcissus triandrus L.

⁽¹⁾ Except bryophytes in Annex II (b).

BERBERIDACEAE

- Berberis maderensis Lowe

CAMPANULACEAE

- Campanula morettiana Reichenb.
- Physoplexis comosa (L.) Schur.

CARYOPHYLLACEAE

- Moehringia fontqueri Pau

COMPOSITAE

HABITAT DIRECTIVE

- Argyranthemum pinnatifidum (L.f.) Lowe
- subsp. succulentum (Lowe) C. J. Humphries
- Helichrysum sibthorpii Rouy
- Picris willkommii (Schultz Bip.) Nyman
- Santolina elegans Boiss. ex DC.
- Senecio caespitosus Brot.
- Senecio lagascanus DC.
- subsp. lusitanicus (P. Cout.) Pinto da Silva
- Wagenitzia lancifolia (Sieber ex Sprengel) Dostal

CRUCIFERAE

- Murbeckiella sousae Rothm.

EUPHORBIACEAE

- Euphorbia nevadensis Boiss. & Reuter

GESNERIACEAE

- Jankaea heldreichii (Boiss.) Boiss.
- Ramonda serbica Pancic

IRIDACEAE

- Crocus etruscus Parl.
- Iris boissieri Henriq.
- Iris marisca Ricci & Colasante

LABIATAE

- Rosmarinus tomentosus Huber-Morath & Maire
- Teucrium charidemi Sandwith
- Thymus capitellatus Hoffmanns. & Link
- Thymus villosus L.
- subsp. villosus L.

LILIACEAE

- Androcymbium europeum (Lange) K. Richter
- Bellevalia hackelli Freyn
- Colchicum corsicum Baker
- Colchicum cousturieri Greuter
- Fritillaria conica Rix
- Fritillaria drenovskii Dogen & Stoy.
- Fritillaria gussichiae (Degen & Doerfler) Rix
- Fritillaria obliqua Ker-Gawl.
- Fritillaria rhodocanakis Orph. ex Baker
- Ornithogalum reverchonii Degen & Herv.-Bass.
- Scilla beirana Samp.

HABITAT DIRECTIVE

-*Scilla odorata* Link

ORCHIDACEAE

-*Ophrys argolica* Fleischm.

-*Orchis scopulorum* Simsmerh.

-*Spiranthes aestivalis* (Poiret) L. C. M. Richard

PRIMULACEAE

-*Androsace cylindrica* DC.

-*Primula glaucescens* Moretti

-*Primula spectabilis* Tratt.

RANUNCULACEAE

-*Aquilegia alpina* L.

SAPOTACEAE

-*Sideroxylon marmulano* Banks ex Lowe

SAXIFRAGACEAE

-*Saxifraga cintrana* Kuzinsky ex Willk.

-*Saxifraga portosanctana* Boiss.

-*Saxifraga presolanensis* Engl.

-*Saxifraga valdensis* DC.

-*Saxifraga vayredana* Luizet

SCROPHULARIACEAE

-*Antirrhinum lopesianum* Rothm.

-*Lindernia procumbens* (Krocker) Philcox

SOLANACEAE

-*Mandragora officinarum* L.

THYMELAEACEAE

-*Thymelaea broterana* P. Cout.

UMBELLIFERAE

-*Bunium brevifolium* Lowe

VIOLACEAE

-*Viola athois* W. Becker

-*Viola cazorlensis* Gandoger

-*Viola delphinantha* Boiss.

ANNEX V

ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST WHOSE TAKING IN THE WILD
AND EXPLOITATION
MAY BE SUBJECT TO MANAGEMENT MEASURES

The species listed in this Annex are indicated:

- by the name of the species or subspecies, or
- by the body of species belonging to a higher taxon or to a designated part of that taxon.

The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.

(a) ANIMALS VERTEBRATES MAMMALS
CARNIVORA

Canidae

- Canis aureus
- Canis lupus (Spanish populations north of the Duera and Greek populations north of the 39th parallel)

Mustelidae

- Martes martes
- Mustela putorius

Phocidae

- All species not mentioned in Annex IV

Viverridae

- Genetta genetta
- Herpestes ichneumon

DUPLICIDENTATA

Leporidae

- Lepus timidus

ARTIODACTYLA

Bovidae

- Capra ibex
- Capra pyrenaica (except Capra pyrenaica pyrenaica)
- Rupicapra rupicapra (except Rupicapra rupicapra balcanica and rupicapra ornata)

AMPHIBIANS

ANURA

Ranidae

- Rana esculenta
- Rana perezi
- Rana ridibunda

HABITAT DIRECTIVE

-Rana temporaria

FISH

PETROMYZONIFORMES

Petromyzonidae

-Lampetra fluviatilis

-Lethenteron zanandrai

ACIPENSERIFORMES

Acipenseridae

-All species not mentioned in Annex IV

SALMONIFORMES

Salmonidae

-Thymallus thymallus

-Coregonus spp. (except Coregonus oxyrhynchus - anadromous populations in certain sectors of the North Sea)

-Hucho hucho

-Salmo salar (only in fresh water)

Cyprinidae

-Barbus spp.

PERCIFORMES

Percidae

-Gymnocephalus schraetzer

-Zingel zingel

CLUPEIFORMES

Clupeidae

-Alosa spp.

SILURIFORMES

Siluridae

-Silurus arctotolis

INVERTEBRATES COELENTERATA

CNIDARIA

Corallium rubrum

MOLLUSCA

GASTROPODA - STYLOMMATOPHORA

Helicidae

-Helix pomatia

BIVALVIA - UNIONOIDA

Margaritiferidae

-Margaritifera margaritifera

HABITAT DIRECTIVE

Unionidae

-*Microcondylaea compressa*

-*Unio elongatulus*

ANNELIDA

HIRUDINOIDEA - ARHYNCHOBDELLAE

Hirudinidae

-*Hirudo medicinalis*

ARTHROPODA

CRUSTACEA - DECAPODA

Astacidae

-*Astacus astacus*

-*Austropotamobius pallipes*

-*Austropotamobius torrentium*

Scyllaridae

-*Scyllarides latus*

INSECTA - LEPIDOPTERA

Saturniidae

-*Graellsia isabellae*

(b) PLANTS ALGAE

RHODOPHYTA

CORALLINACEAE

-*Lithothamnium coralloides* Crouan frat.

-*Phymatholithon calcareum* (Poll.) Adey & McKibbin

LICHENES

CLADONIACEAE

-*Cladonia* L. subgenus *Cladina* (Nyl.) Vain.

BRYOPHYTA

MUSCI

LEUCOBRYACEAE

-*Leucobryum glaucum* (Hedw.) AAngstr.

SPHAGNACEAE

-*Sphagnum* L. spp. (except *Sphagnum pylasii* Brid.)

PTERIDOPHYTA

-*Lycopodium* spp.

ANGIOSPERMAE

AMARYLLIDACEAE

-*Galanthus nivalis* L.

-*Narcissus bulbocodium* L.

HABITAT DIRECTIVE

-*Narcissus juncifolius* Lagasca

COMPOSITAE

-*Arnica montana* L.

-*Artemisia eriantha* Ten

-*Artemisia genipi* Weber

-*Doronicum plantagineum* L.

- subsp. *tournefortii* (Rouy) P. Cout.

CRUCIFERAE

-*Alyssum pintadasilvae* Dudley.

-*Malcolmia lacera* (L.) DC.

- subsp. *graccilima* (Samp.) Franco

-*Murbeckiella pinnatifida* (Lam.) Rothm.

- subsp. *herminii* (Rivas-Martinez) Greuter & Burdet

GENTIANACEAE

-*Gentiana lutea* L.

IRIDACEAE

-*Iris lusitana* Ker-Gawler

LABIATAE

-*Teucrium salviastrum* Schreber

- subsp. *salviastrum* Schreber

LEGUMINOSAE

-*Anthyllis lusitana* Cullen & Pinto da Silva

-*Dorycnium pentaphyllum* Scop.

- subsp. *transmontana* Franco

-*Ulex densus* Welw. ex Webb.

LILIACEAE

-*Lilium rubrum* Lmk

-*Ruscus aculeatus* L.

PLUMBAGINACEAE

-*Armeria sampaio* (Bernis) Nieto Feliner

ROSACEAE

-*Rubus genevieri* Boreau

- subsp. *herminii* (Samp.) P. Cout.

SCROPHULARIACEAE

-*Anarrhinum longipedicelatum* R. Fernandes

-*Euphrasia mendonçae* Samp.

-*Scrophularia grandiflora* DC.

- subsp. *grandiflora* DC.

HABITAT DIRECTIVE

-*Scrophularia berminii* Hoffmanns & Link

-*Scrophularia sublyrata* Brot.

COMPOSITAE

-*Leuzea rhaponticoides* Graells

ANNEX VI
PROHIBITED METHODS AND MEANS OF CAPTURE AND KILLING
AND MODES OF TRANSPORT

(a) Non-selective means

MAMMALS

- Blind or mutilated animals used as live decoys
- Tape recorders
- Electrical and electronic devices capable of killing or stunning
- Artificial light sources
- Mirrors and other dazzling devices
- Devices for illuminating targets
- Sighting devices for night shooting comprising an electronic image magnifier or image converter
- Explosives
- Nets which are non-selective according to their principle or their conditions of use
- Traps which are non-selective according to their principle or their conditions of use
- Crossbows
- Poisons and poisoned or anaesthetic bait
- Gassing or smoking out
- Semi-automatic or automatic weapons with a magazine capable of holding more than two rounds of ammunition

FISH

- Poison
- Explosives

(b) Modes of transport

- Aircraft
- Moving motor vehicles