Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora

COUNCIL DIRECTIVE 92/43/EEC

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⁽¹⁾,

Having regard to the opinion of the European Parliament⁽²⁾,

Having regard to the opinion of the Economic and Social Committee⁽³⁾,

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 $(1987 to 1992)^{(4)}$ 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⁽⁵⁾, 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 recognized 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 derogations 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) [^{F1}present outstanding examples of typical characteristics of one or more of the nine following biogeographical regions: Alpine, Atlantic, Black Sea, Boreal, Continental, Macaronesian, Mediterranean, Pannonian and Steppic.]

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

- (d) *priority natural habitat types* means natural habitat types in danger of disappearence, 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.

[^{X1}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 [^{X1}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;

- (1) *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.

Editorial Information

X1 Substituted by Corrigendum to Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (Official Journal of the European Communities No L 206 of 22 July 1992).

Textual Amendments

F1 Substituted by Council Directive 2006/105/EC of 20 November 2006 adapting Directives 73/239/EEC, 74/557/EEC and 2002/83/EC in the field of environment, by reason of the accession of Bulgaria and Romania.

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 [^{F1}nine] 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 [^{X1}those which host 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).

Editorial Information

X1 Substituted by Corrigendum to Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (Official Journal of the European Communities No L 206 of 22 July 1992).

Textual Amendments

F1 Substituted by Council Directive 2006/105/EC of 20 November 2006 adapting Directives 73/239/EEC, 74/557/EEC and 2002/83/EC in the field of environment, by reason of the accession of Bulgaria and Romania.

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 recognized 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 prioritized 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 abovementioned 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 twoyearly review of the action framework and may, in the maintime, 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 [^{x1}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.

Editorial Information

X1 Substituted by Corrigendum to Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (Official Journal of the European Communities No L 206 of 22 July 1992).

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 incidential 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 breedings 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 derogations applied under paragraph 1. The Commission shall give its opinion on these derogations 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 derogations 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 authorized for the capture or killing of animal species and the reasons for their use;
- c the circumstances of when and where such derogations 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 [^{x1}are to carry out the] task;
- e the supervisory measures used and the results obtained.

Editorial Information

X1 Substituted by Corrigendum to Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (Official Journal of the European Communities No L 206 of 22 July 1992).

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 coordination 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 cooperative 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

[^{F2}Article 20

The Commission shall be assisted by a committee.

Textual Amendments

F2 Substituted by Regulation (EC) No 1882/2003 of the European Parliament and of the Council of 29 September 2003 adapting to Council Decision 1999/468/EC the provisions relating to committees which assist the Commission in the exercise of its implementing powers laid down in instruments subject to the procedure referred to in Article 251 of the EC Treaty.

Article 21

1 Where reference is made to this Article, Articles 5 and 7 of Decision 1999/468/EC⁽⁶⁾ shall apply, having regard to the provisions of Article 8 thereof.

The period laid down in Article 5(6) of Decision 1999/468/EC shall be set at three months.

2 The Committee shall adopt its rules of procedure.]

Textual Amendments

F2 Substituted by Regulation (EC) No 1882/2003 of the European Parliament and of the Council of 29 September 2003 adapting to Council Decision 1999/468/EC the provisions relating to committees which assist the Commission in the exercise of its implementing powers laid down in instruments subject to the procedure referred to in Article 251 of the EC Treaty.

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.

[^{F1}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 under Article 20 ('Habitats Committee') and published by the European Commission⁽⁷⁾.

The code corresponds to the NATURA 2000 code.

The sign '*' indicates priority habitat types.

11.	Open sea and tidal areas
1110 1120 1130 1140 1150 1160 1170 1180	Sandbanks which are slightly covered by sea water all the time * <i>Posidonia</i> beds (<i>Posidonion oceanicae</i>) Estuaries Mudflats and sandflats not covered by seawater at low tide * Coastal lagoons Large shallow inlets and bays Reefs Submarine structures made by leaking gases
12.	Sea cliffs and shingle or stony beaches
1210 1220 1230 1240 1250	Annual vegetation of drift lines Perennial vegetation of stony banks Vegetated sea cliffs of the Atlantic and Baltic Coasts Vegetated sea cliffs of the Mediterranean coasts with endemic <i>Limonium</i> spp. Vegetated sea cliffs with endemic flora of the Macaronesian coasts
13.	Atlantic and continental salt marshes and salt meadows
1310 1320 1330 1340	Salicornia and other annuals colonizing mud and sand Spartina swards (Spartinion maritimae) Atlantic salt meadows (Glauco-Puccinellietalia maritimae) * Inland salt meadows
14.	Mediterranean and thermo-Atlantic salt marshes and salt meadows
1410 1420 1430	Mediterranean salt meadows (<i>Juncetalia maritimi</i>) Mediterranean and thermo-Atlantic halophilous scrubs (<i>Sarcocornetea fruticosi</i>) Halo-nitrophilous scrubs (<i>Pegano-Salsoletea</i>)
1450	Salt and gypsum inland steppes
15. 1510	* Mediterranean salt steppes (<i>Limonietalia</i>)
1520 1530	 * Iberian gypsum vegetation (<i>Gypsophiletalia</i>) * Pannonic salt steppes and salt marshes
16.	Boreal Baltic archipelago, coastal and landupheaval areas

1610 1620 1630 1640 1650	Baltic esker islands with sandy, rocky and shingle beach vegetation and sublittoral vegetation Boreal Baltic islets and small islands * Boreal Baltic coastal meadows Boreal Baltic sandy beaches with perennial vegetation Boreal Baltic narrow inlets
2.	COASTAL SAND DUNES AND INLAND DUNES
21.	Sea dunes of the Atlantic, North Sea and Baltic coasts
2110 2120	Embryonic shifting dunes Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ('white dunes')
2130 2140 2150	 * Fixed coastal dunes with herbaceous vegetation ("grey dunes") * Decalcified fixed dunes with <i>Empetrum nigrum</i> * Atlantic decalcified fixed dunes (<i>Calluno-Ulicetea</i>)
2160 2170 2180 2190 21A0	Dunes with <i>Hippophaë rhamnoides</i> Dunes with <i>Salix repens</i> ssp. <i>argentea</i> (<i>Salicion arenariae</i>) Wooded dunes of the Atlantic, Continental and Boreal region Humid dune slacks Machairs (* in Ireland)
22.	Sea dunes of the Mediterranean coast
2210 2220 2230 2240 2250 2260 2270	Crucianellion maritimae fixed beach dunes Dunes with Euphorbia terracina Malcolmietalia dune grasslands Brachypodietalia dune grasslands with annuals * Coastal dunes with Juniperus spp. Cisto-Lavenduletalia dune sclerophyllous scrubs * Wooded dunes with Pinus pinea and/or Pinus pinaster
23.	Inland dunes, old and decalcified
2310 2320 2330 2340	Dry sand heaths with <i>Calluna</i> and <i>Genista</i> Dry sand heaths with <i>Calluna</i> and <i>Empetrum nigrum</i> Inland dunes with open <i>Corynephorus</i> and <i>Agrostis</i> grasslands * Pannonic inland dunes
3.	FRESHWATER HABITATS
31.	Standing water
3110	Oligotrophic waters containing very few minerals of sandy plains (<i>Littorelletalia uniflorae</i>)
31203130	Oligotrophic waters containing very few minerals generally on sandy soils of the West Mediterranean, with <i>Isoetes</i> spp. Oligotrophic to mesotrophic standing waters with vegetation of the
3140 3150	<i>Littorelletea uniflorae</i> and/or of the <i>Isoëto-Nanojuncetea</i> Hard oligo-mesotrophic waters with benthic vegetation of <i>Chara</i> spp. Natural eutrophic lakes with <i>Magnopotamion</i> or <i>Hydrocharition</i> — type vegetation
3160 3170 3180 3190	Natural dystrophic lakes and ponds * Mediterranean temporary ponds * Turloughs Lakes of gypsum karst

31A0 * Transylvanian hot-spring lotus beds 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 Alpine rivers and their ligneous vegetation with Myricaria germanica 3230 Alpine rivers and their ligneous vegetation with Salix elaeagnos 3240 3250 Constantly flowing Mediterranean rivers with Glaucium flavum Water courses of plain to montane levels with the Ranunculion fluitantis 3260 and Callitricho-Batrachion vegetation 3270 Rivers with muddy banks with Chenopodion rubri p.p. and Bidention p.p. vegetation Constantly flowing Mediterranean rivers with Paspalo-Agrostidion 3280 species and hanging curtains of Salix and Populus alba Intermittently flowing Mediterranean rivers of the Paspalo-Agrostidion 3290 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 * Dry Atlantic coastal heaths with Erica vagans 4040 * Endemic macaronesian heaths 4050 4060 Alpine and Boreal heaths 4070 Bushes with Pinus mugo and Rhododendron hirsutum (Mugo-*Rhododendretum hirsuti*) Sub-Arctic Salix spp. Scrub 4080 4090 Endemic oro-Mediterranean heaths with gorse * Subcontinental peri-Pannonic scrub 40A0 40B0 Rhodope *Potentilla fruticosa* thickets * Ponto-Sarmatic deciduous thickets 40C0 SCLEROPHYLLOUS SCRUB (MATORRAL) 5. 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 * Cistus palhinhae formations on maritime wet heaths 5140 52. Mediterranean arborescent matorral 5210 Arborescent matorral with Juniperus spp. 5220 * Arborescent matorral with Zyziphus * Arborescent matorral with Laurus nobilis 5230 53. Thermo-Mediterranean and pre-steppe brush 5310 Laurus nobilis thickets Low formations of Euphorbia close to cliffs 5320 5330 Thermo-Mediterranean and pre-desert scrub

54. Phrygana

5410	West Mediterranean clifftop phryganas (<i>Astragalo-Plantaginetum subulatae</i>)
5420 5430	Sarcopoterium spinosum phryganas Endemic phryganas of the <i>Euphorbio-Verbascion</i>
6.	NATURAL AND SEMI-NATURAL GRASSLAND FORMATIONS
61.	Natural grasslands
6110	* Rupicolous calcareous or basophilic grasslands of the <i>Alysso-Sedion</i> albi
6120 6130 6140 6150 6160 6170 6180 6190	* Xeric sand calcareous grasslands Calaminarian grasslands of the Violetalia calaminariae Siliceous Pyrenean Festuca eskia grasslands Siliceous alpine and boreal grasslands Oro-Iberian Festuca indigesta grasslands Alpine and subalpine calcareous grasslands Macaronesian mesophile grasslands Rupicolous pannonic grasslands (Stipo-Festucetalia pallentis)
62.	Semi-natural dry grasslands and scrubland facies
6210	Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometalia</i>) (* important orchid sites)
6220 6230	 * Pseudo-steppe with grasses and annuals of the <i>Thero-Brachypodietea</i> * Species-rich <i>Nardus</i> grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe)
6240	* Sub-Pannonic steppic grasslands
6250	* Pannonic loess steppic grasslands
6260 6270	* Pannonic sand steppes* Fennoscandian lowland species-rich dry to mesic grasslands
6270 6280	* Nordic alvar and precambrian calcareous flatrocks
62A0	Eastern sub-Mediterranean dry grasslands (<i>Scorzoneratalia villosae</i>)
62B0	* Serpentinophilous grassland of Cyprus
62C0	* Ponto-Sarmatic steppes
62D0	Oro-Moesian acidophilous grasslands
63.	Sclerophillous grazed forests (dehesas)
6310	Dehesas with evergreen Quercus spp.
64.	Semi-natural tall-herb humid meadows
6410	<i>Molinia</i> meadows on calcareous, peaty or clayey-silt-laden soils (<i>Molinion caeruleae</i>)
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 6460	Northern boreal alluvial meadows Peat grasslands of Troodos
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 7120 7130 7140 7150 7160	* Active raised bogs Degraded raised bogs still capable of natural regeneration Blanket bogs (* if active bog) Transition mires and quaking bogs Depressions on peat substrates of the <i>Rhynchosporion</i> Fennoscandian mineral-rich springs and springfens
72.	Calcareous fens
7210 7220 7230 7240	 * Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i> * Petrifying springs with tufa formation (<i>Cratoneurion</i>) Alkaline fens * Alpine pioneer formations of the <i>Caricion bicoloris-atrofuscae</i>
73.	Boreal mires
7310 7320	* Aapa mires * Palsa mires
8.	ROCKY HABITATS AND CAVES
81.	Scree
 8110 8120 8130 8140 8150 8160 	Siliceous scree of the montane to snow levels (<i>Androsacetalia alpinae and Galeopsietalia ladani</i>) Calcareous and calcshist screes of the montane to alpine levels (<i>Thlaspietea rotundifolii</i>) Western Mediterranean and thermophilous scree Eastern Mediterranean screes Medio-European upland siliceous screes * Medio-European calcareous scree of hill and montane levels
82.	Rocky slopes with chasmophytic vegetation
8210 8220 8230 8240	Calcareous rocky slopes with chasmophytic vegetation Siliceous rocky slopes with chasmophytic vegetation Siliceous rock with pioneer vegetation of the <i>Sedo-Scleranthion</i> or of the <i>Sedo albi-Veronicion dillenii</i> * Limestone pavements
83.	Other rocky habitats
8310 8320 8330 8340	Caves not open to the public Fields of lava and natural excavations Submerged or partially submerged sea caves 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 <i>Ilex</i> and sometimes also <i>Taxus</i>
	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 <i>Quercus robur</i> on sandy plains
91A0	Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> 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-
0150	Padion, Alnion incanae, Salicion albae)
91F0	Riparian mixed forests of <i>Quercus robur</i> , <i>Ulmus laevis</i> and <i>Ulmus</i>
	minor, Fraxinus excelsior or Fraxinus angustifolia, along the great
91G0	rivers (<i>Ulmenion minoris</i>) * Pannonic woods with <i>Quercus petraea</i> and <i>Carpinus betulus</i>
91H0	* Pannonian woods with <i>Quercus pubescens</i>
91I0 91I0	* Euro-Siberian steppic woods with <i>Quercus</i> spp.
91J0	* Taxus baccata woods of the British Isles
91K0	Illyrian Fagus sylvatica forests (Aremonio-Fagion)
91L0	Illyrian oak-hornbeam forests (<i>Erythronio-Carpinion</i>)
91M0	Pannonian-Balkanic turkey oak –sessile oak forests
91N0	* Pannonic inland sand dune thicket (Junipero-Populetum albae)
91P0	Holy Cross fir forest (<i>Abietetum polonicum</i>)
91Q0	Western Carpathian calcicolous Pinus sylvestris forests
91R0	Dinaric dolomite Scots pine forests (Genisto januensis-Pinetum)
91S0	* Western Pontic beech forests
91T0	Central European lichen Scots pine forests
91U0	Sarmatic steppe pine forest
91V0	Dacian Beech forests (Symphyto-Fagion)
91W0	Moesian beech forests
91X0	* Dobrogean beech forests
91Y0	Dacian oak & hornbeam forests
91Z0	Moesian silver lime woods
91AA	* Eastern white oak woods
91BA	Moesian silver fir forests

91CA	Rhodopide and Balkan Range Scots pine forests
92.	Mediterranean deciduous forests
9210	* Apeninne beech forests with <i>Taxus</i> and <i>Ilex</i>
9220	* Apennine beech forests with <i>Abies alba</i> and beech forests with <i>Abies nebrodensis</i>
9230	Galicio-Portuguese oak woods with <i>Quercus robur</i> and <i>Quercus pyrenaica</i>
9240	Quercus faginea and Quercus canariensis Iberian woods
9250	Quercus trojana woods
9260	\tilde{c} astanea sativa woods
9270	Hellenic beech forests with Abies borisii-regis
9280	Quercus frainetto woods
9290	<i>Cupressus</i> forests (<i>Acero-Cupression</i>)
92A0	Salix alba and Populus alba galleries
92B0	Riparian formations on intermittent Mediterranean water courses with <i>Rhododendron ponticum, Salix</i> and others
92C0	Platanus orientalis and Liquidambar orientalis woods (Platanion orientalis)
92D0	Southern riparian galleries and thickets (<i>Nerio-Tamaricetea</i> and <i>Securinegion tinctoriae</i>)
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 <i>Phoenix</i>
9380	Forests of <i>Ilex aquifolium</i>
9390	* Scrub and low forest vegetation with <i>Quercus alnifolia</i>
93A0	Woodlands with <i>Quercus infectoria</i> (Anagyro foetidae-Quercetum infectoriae)
94.	Temperate mountainous coniferous forests
9410	Acidophilous <i>Picea</i> forests of the montane to alpine levels (<i>Vaccinio-Piceetea</i>)
9420	Alpine Larix decidua and/or Pinus cembra forests
9430	Subalpine and montane <i>Pinus uncinata</i> 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 <i>Taxus baccata</i> woods
9590	* Cedrus brevifolia forests (Cedrosetum brevifoliae)

High oro-Mediterranean pine forests

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 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 schreibersii Myotis bechsteinii Myotis blythii Myotis capaccinii Myotis dasycneme Myotis emarginatus

95A0

Myotis myotis

Pteropodidae

Rousettus aegyptiacus RODENTIA

Gliridae

Myomimus roachi

Sciuridae

* Marmota marmota latirostris
 * Pteromys volans (Sciuropterus russicus)
 Spermophilus citellus (Citellus citellus)
 * Spermophilus suslicus (Citellus suslicus)

Castoridae

Castor fiber (except the Estonian, Latvian, Lithuanian, Finnish and Swedish populations)

Cricetidae

Mesocricetus newtoni

Microtidae

Microtus cabrerae * Microtus oeconomus arenicola * Microtus oeconomus mehelyi Microtus tatricus

Zapodidae

Sicista subtilis CARNIVORA

Canidae

* *Canis lupus* (except the Estonian population; Greek populations: only south of the 39th parallel; Spanish populations: only those south of the Duero; Latvian, Lithuanian and Finnish populations).

Ursidae

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

Mustelidae

* Gulo gulo Lutra lutra Mustela eversmanii * Mustela lutreola Vormela peregusna

Felidae

Lynx lynx (except the Estonian, Latvian and Finnish populations) * *Lynx pardinus*

Phocidae

^{*} Alopex lagopus

Halichoerus grypus (V) * Monachus monachus Phoca hispida bottnica (V) * Phoca hispida saimensis Phoca vitulina (V)

ARTIODACTYLA

Cervidae

* Cervus elaphus corsicanus Rangifer tarandus fennicus (0)

Bovidae

* Bison bonasus
Capra aegagrus (natural populations)
* Capra pyrenaica pyrenaica
Ovis gmelini musimon (Ovis ammon musimon) (natural populations — Corsica and Sardinia)
Ovis orientalis ophion (Ovis gmelini ophion)
* Rupicapra pyrenaica ornata (Rupicapra rupicapra ornata)
Rupicapra rupicapra balcanica
* Rupicapra rupicapra tatrica

CETACEA

Phocoena phocoena

Tursiops truncatus

REPTILES CHELONIA (TESTUDINES)

Testudinidae

Testudo graeca Testudo hermanni Testudo marginata

Cheloniidae

* Caretta caretta * Chelonia mydas

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

* Coluber cypriensis Elaphe quatuorlineata Elaphe situla * Natrix natrix cypriaca

Viperidae

* Macrovipera schweizeri (Vipera lebetina schweizeri) Vipera ursinii (except Vipera ursinii rakosiensis) * Vipera ursinii rakosiensis

AMPHIBIANS CAUDATA

Salamandridae

Chioglossa lusitanica Mertensiella luschani (Salamandra luschani) * Salamandra aurorae (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) Triturus montandoni Triturus vulgaris ampelensis

Proteidae

* Proteus anguinus

Plethodontidae

Hydromantes (Speleomantes) ambrosii Hydromantes (Speleomantes) flavus Hydromantes (Speleomantes) genei Hydromantes (Speleomantes) imperialis Hydromantes (Speleomantes) strinatii Hydromantes (Speleomantes) supramontis

ANURA

Discoglossidae

* Alytes muletensis Bombina bombina Bombina variegata Discoglossus galganoi (including Discoglossus 'jeanneae') Discoglossus montalentii

Discoglossus sardus

Ranidae

Rana latastei

Pelobatidae

* Pelobates fuscus insubricus

FISH

PETROMYZONIFORMES

Petromyzonidae

Eudontomyzon spp. (o) Lampetra fluviatilis (V) (except the Finnish and Swedish populations) Lampetra planeri (o) (except the Estonian, Finnish, and Swedish populations) Lethenteron zanandreai (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 macrostigma (o) Salmo marmoratus (o) Salmo salar (only in fresh water) (V) (except the Finnish populations)

Coregonidae

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

Umbridae

Umbra krameri (o) CYPRINIFORMES

Cyprinidae

Alburnus albidus (o) (Alburnus vulturius) Anaecypris hispanica Aspius aspius (V) (except the Finnish populations) Barbus comiza (V) Barbus meridionalis (V) Barbus plebejus (V) Chalcalburnus chalcoides (o) Chondrostoma genei (o) Chondrostoma lusitanicum (o)

Chondrostoma polylepis (o) *(including C. willkommi) Chondrostoma soetta* (0) *Chondrostoma toxostoma* (0) *Gobio albipinnatus* (0) Gobio kessleri (o) *Gobio uranoscopus* (0) *Iberocypris palaciosi* (0) * Ladigesocypris ghigii (0) *Leuciscus lucumonis* (0) *Leuciscus souffia* (o) Pelecus cultratus (V) *Phoxinellus spp.* (0) * Phoxinus percnurus *Rhodeus sericeus amarus* (0) *Rutilus pigus* (V) Rutilus rubilio (o) Rutilus arcasii (0) *Rutilus macrolepidotus* (o) Rutilus lemmingii (o) Rutilus frisii meidingeri (V) *Rutilus alburnoides* (0) Scardinius graecus (o)

Cobitidae

Cobitis elongata (0) Cobitis taenia (0) (except the Finnish populations) Cobitis trichonica (0) Misgurnus fossilis (0) Sabanejewia aurata (0) Sabanejewia larvata (0) (Cobitis larvata and Cobitis conspersa) SILURIFORMES

Siluridae

Silurus aristotelis (V) ATHERINIFORMES

Cyprinodontidae

Aphanius iberus (0) Aphanius fasciatus (0) * Valencia hispanica * Valencia letourneuxi (Valencia hispanica) PERCIFORMES

Percidae

Gymnocephalus baloni Gymnocephalus schraetzer (V) * Romanichthys valsanicola Zingel spp. ((o) except Zingel asper and Zingel zingel (V))

Gobiidae

Knipowitschia (Padogobius) panizzae (0) Padogobius nigricans (0) Pomatoschistus canestrini (0) SCORPAENIFORMES

Cottidae

Cottus gobio (o) (except the Finnish populations) Cottus petiti (o) INVERTEBRATES ARTHROPODS CRUSTACEA

Decapoda

Austropotamobius pallipes (V) * *Austropotamobius torrentium* (V)

Isopoda

* Armadillidium ghardalamensis

INSECTA

Coleoptera

Agathidium pulchellum (0) Bolbelasmus unicornis Boros schneideri (o) Buprestis splendens Carabus hampei Carabus hungaricus * Carabus menetriesi pacholei * Carabus olympiae Carabus variolosus Carabus zawadszkii Cerambyx cerdo *Corticaria planula* (0) Cucujus cinnaberinus Dorcadion fulvum cervae Duvalius gebhardti Duvalius hungaricus Dytiscus latissimus Graphoderus bilineatus Leptodirus hochenwarti *Limoniscus violaceus* (0) *Lucanus cervus* (0) *Macroplea pubipennis* (0) Mesosa myops (o) *Morimus funereus* (o) * Osmoderma eremita Oxyporus mannerheimii (o)

Pilemia tigrina * Phryganophilus ruficollis Probaticus subrugosus Propomacrus cypriacus * Pseudogaurotina excellens Pseudoseriscius cameroni Pytho kolwensis Rhysodes sulcatus (0) * Rosalia alpina Stephanopachys linearis (0) Stephanopachys substriatus (0) Xyletinus tremulicola (0)

Hemiptera

Aradus angularis (o)

Lepidoptera

Agriades glandon aquilo (o) Arytrura musculus * Callimorpha (Euplagia, Panaxia) quadripunctaria (o) Catopta thrips Chondrosoma fiduciarium *Clossiana improba* (o) Coenonympha oedippus Colias myrmidone Cucullia mixta Dioszeghyana schmidtii Erannis ankeraria Erebia calcaria Erebia christi *Erebia medusa polaris* (0) Eriogaster catax Euphydryas (Eurodryas, Hypodryas) aurinia (o) Glyphipterix loricatella Gortyna borelii lunata Graellsia isabellae (V) *Hesperia comma catena* (o) Hypodryas maturna Leptidea morsei Lignyoptera fumidaria Lycaena dispar Lycaena helle Maculinea nausithous Maculinea teleius Melanargia arge * Nymphalis vaualbum

Papilio hospiton Phyllometra culminaria Plebicula golgus Polymixis rufocincta isolata Polyommatus eroides Pseudophilotes bavius Xestia borealis (0) Xestia brunneopicta (0) * Xylomoia strix

Mantodea

Apteromantis aptera

Odonata

Coenagrion hylas (0) Coenagrion mercuriale (0) Coenagrion ornatum (0) Cordulegaster heros Cordulegaster trinacriae Gomphus graslinii Leucorrhinia pectoralis Lindenia tetraphylla Macromia splendens Ophiogomphus cecilia Oxygastra curtisii

Orthoptera

Baetica ustulata Brachytrupes megacephalus Isophya costata Isophya harzi Isophya stysi Myrmecophilus baronii Odontopodisma rubripes Paracaloptenus caloptenoides Pholidoptera transsylvanica Stenobothrus (Stenobothrodes) eurasius

ARACHNIDA

Pseudoscorpiones Anthrenochernes stellae (0) MOLLUSCS GASTROPODA Anisus vorticulus

Caseolus calculus Caseolus commixta Caseolus sphaerula Chilostoma banaticum

Discula leacockiana Discula tabellata Discus guerinianus Elona quimperiana Geomalacus maculosus Geomitra moniziana Gibbula nivosa * Helicopsis striata austriaca (o) Hygromia kovacsi Idiomela (Helix) subplicata Lampedusa imitatrix * Lampedusa melitensis Leiostyla abbreviata Leiostyla cassida Leiostyla corneocostata Leiostyla gibba Leiostyla lamellosa * Paladilhia hungarica Sadleriana pannonica Theodoxus transversalis *Vertigo angustior* (0) *Vertigo genesii* (0) Vertigo geyeri (0) *Vertigo moulinsiana* (0)

BIVALVIA

Unionoida

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

Dreissenidae

Congeria kusceri

(b) PLANTS PTERIDOPHYTA

ASPLENIACEAE

Asplenium jahandiezii (Litard.) Rouy Asplenium adulterinum Milde

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

ASCLEPIADACEAE

Vincetoxicum pannonicum (Borhidi) Holub

BORAGINACEAE

* Anchusa crispa Viv. Echium russicum J.F.Gemlin * Lithodora nitida (H. Ern) R. Fernandes Myosotis lusitanica Schuster Myosotis rehsteineri Wartm. Myosotis retusifolia R. Afonso

Omphalodes kuzinskyanae Willk.

* Omphalodes littoralis Lehm.

* Onosma tornensis Javorka

Solenanthus albanicus (Degen & al.) Degen & Baldacci

* Symphytum cycladense Pawl.

CAMPANULACEAE

Adenophora lilifolia (L.) Ledeb.

Asyneuma giganteum (Boiss.) Bornm.

* Campanula bohemica Hruby

* Campanula gelida Kovanda

Campanula romanica Săvul.

* Campanula sabatia De Not.

* Campanula serrata (Kit.) Hendrych

Campanula zoysii Wulfen

Jasione crispa (Pourret) Samp. subsp. serpentinica Pinto da Silva Jasione lusitanica A. DC.

CARYOPHYLLACEAE

Arenaria ciliata L. subsp. pseudofrigida Ostenf. & O.C. Dahl Arenaria humifusa Wahlenberg * Arenaria nevadensis Boiss. & Reuter Arenaria provincialis Chater & Halliday * Cerastium alsinifolium Tausch Cerastium dinaricum G. Beck & Szysz. Dianthus arenarius L. subsp. arenarius * Dianthus arenarius subsp. bohemicus (Novak) O.Schwarz Dianthus cintranus Boiss. & Reuter subsp. cintranus Boiss. & Reuter * Dianthus diutinus Kit. * Dianthus lumnitzeri Wiesb. Dianthus marizii (Samp.) Samp. * Dianthus moravicus Kovanda * Dianthus nitidus Waldst. et Kit. Dianthus plumarius subsp. regis-stephani (Rapcs.) Baksay 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 * Minuartia smejkalii Dvorakova Moehringia jankae Griseb. ex Janka Moehringia lateriflora (L.) Fenzl. Moehringia tommasinii Marches. Moehringia villosa (Wulfen) Fenzl Petrocoptis grandiflora Rothm. Petrocoptis montsicciana O. Bolos & Rivas Mart.

Petrocoptis pseudoviscosa Fernández Casas

Silene furcata Rafin. subsp. 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

* Cremnophyton lanfrancoi Brullo et Pavone

* 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 pyrenaeus Desf. ex DC

* Aster sorrentinii (Tod) Lojac.

Carlina onopordifolia Besser

* Carduus myriacanthus Salzm. ex DC.

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

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

* Centaurea akamantis T. Georgiadis & G. Chatzikyriakou

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

* Centaurea balearica J. D. Rodriguez

* Centaurea borjae Valdes-Berm. & Rivas Goday

* Centaurea citricolor Font Quer

Centaurea corymbosa Pourret

Centaurea gadorensis G. Blanca

* Centaurea horrida Badaro

Centaurea immanuelis-loewii Degen

Centaurea jankae Brandza

* 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 pontica Prodan & E. I. Nyárády Centaurea pulvinata (G. Blanca) G. Blanca Centaurea rothmalerana (Arènes) Dostál Centaurea vicentina Mariz Cirsium brachycephalum Juratzka * Crepis crocifolia Boiss. & Heldr. Crepis granatensis (Willk.) B. Blanca & M. Cueto Crepis pusilla (Sommier) Merxmüller Crepis tectorum L. subsp. nigrescens Erigeron frigidus Boiss. ex DC. * Helichrysum melitense (Pignatti) Brullo et al Hymenostemma pseudanthemis (Kunze) Willd. Hyoseris frutescens Brullo et Pavone * 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. * Palaeocyanus crassifolius (Bertoloni) Dostal Santolina impressa Hoffmanns. & Link Santolina semidentata Hoffmanns. & Link Saussurea alpina subsp. esthonica (Baer ex Rupr) Kupffer * Senecio elodes Boiss. ex DC. Senecio jacobea L. subsp. gotlandicus (Neuman) Sterner Senecio nevadensis Boiss. & Reuter * Serratula lycopifolia (Vill.) A.Kern Tephroseris longifolia (Jacq.) Griseb et Schenk subsp. moravica CONVOLVULACEAE

* Convolvulus argyrothamnus Greuter

* Convolvulus fernandesii Pinto da Silva & Teles

CRUCIFERAE

Alyssum pyrenaicum Lapeyr. * Arabis kennedyae Meikle Arabis sadina (Samp.) P. Cout. Arabis scopoliana Boiss

* Biscutella neustriaca Bonnet Biscutella vincentina (Samp.) Rothm. Boleum asperum (Pers.) Desvaux Brassica glabrescens Poldini Brassica hilarionis Post Brassica insularis Moris * Brassica macrocarpa Guss. Braya linearis Rouy * Cochlearia polonica E. Fröhlich * Cochlearia tatrae Borbas * Coincya rupestris Rouy * Coronopus navasii Pau Crambe tataria Sebeok Diplotaxis ibicensis (Pau) Gómez-Campo * Diplotaxis siettiana Maire Diplotaxis vicentina (P. Cout.) Rothm. Draba cacuminum Elis Ekman Draba cinerea Adams Draba dorneri Heuffel. Erucastrum palustre (Pirona) Vis. * Erysimum pieninicum (Zapal.) Pawl. * *Iberis arbuscula* Runemark Iberis procumbens Lange subsp. microcarpa Franco & Pinto da Silva * Jonopsidium acaule (Desf.) Reichenb. Jonopsidium savianum (Caruel) Ball ex Arcang. Rhvnchosinapis erucastrum (L.) Dandy ex Clapham subsp. cintrana (Coutinho) Franco & P. Silva (Coincya cintrana (P. Cout.) Pinto da Silva) Sisymbrium cavanillesianum Valdés & Castroviejo Sisymbrium supinum L. Thlaspi jankae A.Kern. **CYPERACEAE**

Carex holostoma Drejer * *Carex panormitana* Guss. *Eleocharis carniolica* Koch

DIOSCOREACEAE

* Borderea chouardii (Gaussen) Heslot

DROSERACEAE

Aldrovanda vesiculosa L.

ELATINACEAE

Elatine gussonei (Sommier) Brullo et al

ERICACEAE

Rhododendron luteum Sweet

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

* Gentianella bohemica Skalicky

GERANIACEAE

* *Erodium astragaloides* Boiss. & Reuter *Erodium paularense* Fernández-González & 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

Poa granitica Br.-Bl. subsp. disparilis (E. I. Nyárády) E. I. Nyárády

* Poa riphaea (Ascher et Graebner) Fritsch

Pseudarrhenatherum pallens (Link) J. Holub

Puccinellia phryganodes (Trin.) Scribner + Merr.

Puccinellia pungens (Pau) Paunero

* Stipa austroitalica Martinovsky

* Stipa bavarica Martinovsky & H. Scholz

Stipa danubialis Dihoru & Roman

* Stipa styriaca Martinovsky

* Stipa veneta Moraldo

* Stipa zalesskii Wilensky

Trisetum subalpestre (Hartman) Neuman

GROSSULARIACEAE

* Ribes sardoum Martelli

HIPPURIDACEAE

Hippuris tetraphylla L. Fil.

HYPERICACEAE

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

IRIDACEAE

Crocus cyprius Boiss. et Kotschy Crocus hartmannianus Holmboe Gladiolus palustris Gaud. Iris aphylla L. subsp. hungarica Hegi Iris humilis Georgi subsp. arenaria (Waldst. et Kit.) A. et D.Löve

JUNCACEAE

Juncus valvatus Link Luzula arctica Blytt

LABIATAE

Dracocephalum austriacum L. * Micromeria taygetea P. H. Davis Nepeta dirphya (Boiss.) Heldr. ex Halacsy * Nepeta sphaciotica P. H. Davis Origanum dictamnus L. Phlomis brevibracteata Turril Phlomis cypria Post Salvia veneris Hedge Sideritis cypria Post 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**

EGUMINOSAE

Anthyllis hystrix Cardona, Contandr. & E. Sierra

* Astragalus algarbiensis Coss. ex Bunge

* Astragalus aquilanus Anzalone

Astragalus centralpinus Braun-Blanquet

* Astragalus macrocarpus DC. subsp. lefkarensis

* Astragalus maritimus Moris

Astragalus peterfii Jáv.

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. Rodríguez

LENTIBULARIACEAE

* *Pinguicula crystallina* Sm. *Pinguicula nevadensis* (Lindb.) Casper

LILIACEAE

Allium grosii Font Quer * Androcymbium rechingeri Greuter * Asphodelus bento-rainhae P. Silva * Chionodoxa lochiae Meikle in Kew Bull. Colchicum arenarium Waldst. et Kit. Hyacinthoides vicentina (Hoffmans. & Link) Rothm. * Muscari gussonei (Parl.) Tod. Scilla litardierei Breist. * Scilla morrisii Meikle Tulipa cypria Stapf Tulipa hungarica Borbas

LINACEAE

* Linum dolomiticum Borbas

* 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

OLEACEAE

Syringa josikaea Jacq. Fil. ex Reichenb.

ORCHIDACEAE

Anacamptis urvilleana Sommier et Caruana Gatto Calypso bulbosa L. * Cephalanthera cucullata Boiss. & Heldr. Cypripedium calceolus L. Dactylorhiza kalopissii E.Nelson Gymnigritella runei Teppner & Klein Himantoglossum adriaticum Baumann Himantoglossum caprinum (Bieb.) V.Koch Liparis loeselii (L.) Rich. * Ophrys kotschyi H.Fleischm. et Soo * Ophrys lunulata Parl. Ophrys melitensis (Salkowski) J et P Devillers-Terschuren Platanthera obtusata (Pursh) subsp. oligantha (Turez.) Hulten

OROBANCHACEAE

Orobanche densiflora Salzm. ex Reut.

PAEONIACEAE

Paeonia cambessedesii (Willk.) Willk. Paeonia clusii F.C. Stern subsp. rhodia (Stearn) Tzanoudakis Paeonia officinalis L. subsp. banatica (Rachel) Soo Paeonia parnassica Tzanoudakis

PALMAE

Phoenix theophrasti Greuter

PAPAVERACEAE

Corydalis gotlandica Lidén Papaver laestadianum (Nordh.) Nordh. Papaver radicatum 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.

* Cyclamen fatrense Halda et Sojak * Primula apennina Widmer Primula carniolica Jacq. Primula nutans Georgi Primula palinuri Petagna Primula scandinavica Bruun Soldanella villosa Darracq.

RANUNCULACEAE

* Aconitum corsicum Gayer (Aconitum napellus subsp. corsicum) Aconitum firmum (Reichenb.) Neilr subsp. moravicum Skalicky Adonis distorta Ten.

Aquilegia bertolonii Schott

Aquilegia kitaibelii Schott

* Aquilegia pyrenaica D.C. subsp. cazorlensis (Heywood) Galiano

* Consolida samia P.H. Davis

* Delphinium caseyi B.L.Burtt

Pulsatilla grandis Wenderoth Pulsatilla patens (L.) Miller

* Pulsatilla pratensis (L.) Miller subsp. hungarica Soo

* Pulsatilla slavica G.Reuss.

* Pulsatilla subslavica Futak ex Goliasova

Pulsatilla vulgaris Hill. subsp. gotlandica (Johanss.) Zaemelis & Paegle

Ranunculus kykkoensis Meikle

Ranunculus lapponicus L.

* Ranunculus weyleri Mares

RESEDACEAE

*Reseda decursiva Forssk.

ROSACEAE

Agrimonia pilosa Ledebour Potentilla delphinensis Gren. & Godron Potentilla emilii-popii Nyárády * Pyrus magyarica Terpo Sorbus teodorii Liljefors

RUBIACEAE

Galium cracoviense Ehrend.

* Galium litorale Guss.

Galium moldavicum (Dobrescu) Franco

* Galium sudeticum Tausch

* 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 loeselii Schweigger * Linaria ficalhoana Rouy Linaria flava (Poiret) Desf. * Linaria hellenica Turrill Linaria pseudolaxiflora Lojacono * Linaria ricardoi Cout. Linaria tonzigii Lona * Linaria tursica B. Valdés & Cabezudo Odontites granatensis Boiss. * Pedicularis sudetica Willd. Rhinanthus oesilensis (Ronniger & Saarsoo) Vassilcz Tozzia carpathica Wol. Verbascum litigiosum Samp. Veronica micrantha Hoffmanns. & Link * Veronica oetaea L.-A. Gustavsson

SOLANACEAE

*Atropa baetica Willk.

THYMELAEACEAE

* Daphne arbuscula Celak 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

* Ferula sadleriana Lebed.

Hladnikia pastinacifolia Reichenb.

* Laserpitium longiradium Boiss.

* Naufraga balearica Constans & Cannon

* Oenanthe conioides Lange

Petagnia saniculifolia Guss.

Rouya polygama (Desf.) Coincy

* Seseli intricatum Boiss.

Seseli leucospermum Waldst. et Kit

Thorella verticillatinundata (Thore) Briq.

VALERIANACEAE

Centranthus trinervis (Viv.) Beguinot

VIOLACEAE

Viola delphinantha Boiss.

* *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) Ochyraea tatrensis Vana (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

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 thalassophylum (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 Burtt & Sund. Hypochoeris oligocephala (Svent. & Bramw.) Lack * Lactuca watsoniana Trel. * Onopordum nogalesii Svent. * Onorpordum 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 & Fernández Galván

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 [^{X1}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 Assessment of the Community importance of the sites included on the national lists 2:
- 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 [^{X1}the characteristic or unique] aspect of its features and the way they are combined.

[^{F1}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 Crocidura sicula

Talpidae

Galemys pyrenaicus MICROCHIROPTERA All species MEGACHIROPTERA

Pteropodidae

Rousettus aegyptiacus RODENTIA

Gliridae

All species except Glis glis and Eliomys quercinus

Sciuridae

Marmota marmota latirostris Pteromys volans (Sciuropterus russicus) Spermophilus citellus (Citellus citellus) Spermophilus suslicus (Citellus suslicus) Sciurus anomalus

Castoridae

Castor fiber (except the Estonian, Latvian, Lithuanian, Polish, Finnish and Swedish, populations)

Cricetidae

Cricetus cricetus (except the Hungarian populations) *Mesocricetus newtoni*

Microtidae

Microtus cabrerae Microtus oeconomus arenicola Microtus oeconomus mehelyi Microtus tatricus

Zapodidae

Sicista betulina Sicista subtilis

Hystricidae

Hystrix cristata CARNIVORA

Canidae

Alopex lagopus

Canis lupus (except the Greek populations north of the 39th parallel; Estonian populations, Spanish populations north of the Duero; Bulgarian, Latvian, Lithuanian, Polish, Slovak populations and Finnish populations within the reindeer management area as defined in paragraph 2 of the Finnish Act No 848/90 of 14 September 1990 on reindeer management)

Ursidae

Ursus arctos

Mustelidae

Lutra lutra Mustela eversmanii Mustela lutreola Vormela peregusna

Felidae

Felis silvestris Lynx lynx (except the Estonian population) *Lynx pardinus*

Phocidae

Monachus monachus Phoca hispida saimensis ARTIODACTYLA

Cervidae

Cervus elaphus corsicanus

Bovidae

Bison bonasus Capra aegagrus (natural populations) Capra pyrenaica pyrenaica Ovis gmelini musimon (Ovis ammon musimon) (natural populations — Corsica and Sardinia) Ovis orientalis ophion (Ovis gmelini ophion) Rupicapra pyrenaica ornata (Rupicapra rupicapra ornata) Rupicapra rupicapra balcanica Rupicapra rupicapra tatrica

CETACEA

All species

REPTILES TESTUDINATA

Testudinidae

Testudo graeca Testudo hermanni Testudo marginata

Cheloniidae

Caretta caretta Chelonia mydas Lepidochelys kempii Eretmochelys imbricata

Dermochelyidae

Dermochelys coriacea

Emydidae

Emys orbicularis Mauremys caspica

Mauremys leprosa

SAURIA

Lacertidae

Algyroides fitzingeri Algyroides marchi Algyroides moreoticus Algyroides nigropunctatus Gallotia atlantica Gallotia galloti Gallotia galloti insulanagae Gallotia simonyi Gallotia stehlini Lacerta agilis Lacerta bedriagae Lacerta bonnali (Lacerta monticola) Lacerta monticola Lacerta danfordi Lacerta dugesi Lacerta graeca Lacerta horvathi Lacerta schreiberi Lacerta trilineata Lacerta viridis Lacerta vivipara pannonica **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 kitaibelii Chalcides bedriagai Chalcides ocellatus Chalcides sexlineatus Chalcides simonyi (Chalcides occidentalis) Chalcides viridianus

Ophiomorus punctatissimus

Gekkonidae

Cyrtopodion kotschyi Phyllodactylus europaeus Tarentola angustimentalis Tarentola boettgeri Tarentola delalandii Tarentola gomerensis

Agamidae

Stellio stellio

Chamaeleontidae

Chamaeleo chamaeleon

Anguidae

Ophisaurus apodus OPHIDIA

Colubridae

Coluber caspius *Coluber cypriensis* 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 natrix cypriaca Natrix tessellata Telescopus falax

Viperidae

Vipera ammodytes Macrovipera schweizeri (Vipera lebetina schweizeri) Vipera seoanni (except Spanish populations) Vipera ursinii Vipera xanthina

Boidae

Eryx jaculus AMPHIBIANS

CAUDATA

Salamandridae

Chioglossa lusitanica Euproctus asper *Euproctus montanus Euproctus platycephalus* Mertensiella luschani (Salamandra luschani) Salamandra atra Salamandra aurorae Salamandra lanzai Salamandrina terdigitata Triturus carnifex (Triturus cristatus carnifex) Triturus cristatus (Triturus cristatus cristatus) Triturus italicus Triturus karelinii (Triturus cristatus karelinii) Triturus marmoratus Triturus montandoni Triturus vulgaris ampelensis

Proteidae

Proteus anguinus

Plethodontidae

Hydromantes (Speleomantes) ambrosii Hydromantes (Speleomantes) flavus Hydromantes (Speleomantes) genei Hydromantes (Speleomantes) imperialis Hydromantes (Speleomantes) strinatii (Hydromantes (Speleomantes) italicus) Hydromantes (Speleomantes) supramontis

ANURA

Discoglossidae

Alytes cisternasii Alytes muletensis Alytes obstetricans Bombina bombina Bombina variegata Discoglossus galganoi (including Discoglossus 'jeanneae') Discoglossus montalentii Discoglossus pictus Discoglossus sardus

Ranidae

Rana arvalis Rana dalmatina Rana graeca Rana iberica

Rana italica Rana latastei Rana lessonae

Pelobatidae

Pelobates cultripes Pelobates fuscus Pelobates syriacus

Bufonidae

Bufo calamita Bufo viridis

Hylidae

Hyla arborea Hyla meridionalis Hyla sarda

FISH

ACIPENSERIFORMES

Acipenseridae

Acipenser naccarii Acipenser sturio SALMONIFORMES

Coregonidae

Coregonus oxyrhynchus (anadromous populations in certain sectors of the North Sea, except the Finnish populations) CYPRINIFORMES

Cyprinidae

Anaecypris hispanica Phoxinus percnurus ATHERINIFORMES

Cyprinodontidae

Valencia hispanica PERCIFORMES

Percidae

Gymnocephalus baloni Romanichthys valsanicola Zingel asper INVERTEBRATES ARTHROPODS CRUSTACEA

Isopoda

Armadillidium ghardalamensis INSECTA

Coleoptera

Bolbelasmus unicornis

Buprestis splendens Carabus hampei Carabus hungaricus Carabus olympiae Carabus variolosus Carabus zawadszkii Cerambyx cerdo Cucujus cinnaberinus Dorcadion fulvum cervae Duvalius gebhardti Duvalius hungaricus Dytiscus latissimus *Graphoderus bilineatus* Leptodirus hochenwarti Pilemia tigrina Osmoderma eremita Phryganophilus ruficollis Probaticus subrugosus Propomacrus cypriacus Pseudogaurotina excellens Pseudoseriscius cameroni Pytho kolwensis Rosalia alpina

Lepidoptera

Apatura metis Arytrura musculus *Catopta thrips* Chondrosoma fiduciarium Coenonympha hero Coenonympha oedippus *Colias myrmidone* Cucullia mixta Dioszeghyana schmidtii Erannis ankeraria Erebia calcaria *Erebia christi Erebia sudetica* Eriogaster catax Fabriciana elisa Glyphipterix loricatella Gortyna borelii lunata Hypodryas maturna Hyles hippophaes Leptidea morsei Lignyoptera fumidaria

Lopinga achine Lycaena dispar Lycaena helle Maculinea arion Maculinea nausithous *Maculinea teleius* Melanargia arge Nymphalis vaualbum Papilio alexanor Papilio hospiton Parnassius apollo Parnassius mnemosyne Phyllometra culminaria Plebicula golgus Polymixis rufocincta isolata Polyommatus eroides Proserpinus proserpina Pseudophilotes bavius Xylomoia strix Zerynthia polyxena

Mantodea

Apteromantis aptera

Odonata

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

Orthoptera

Baetica ustulata Brachytrupes megacephalus Isophya costata Isophya harzi Isophya stysi Myrmecophilus baronii Odontopodisma rubripes

Paracaloptenus caloptenoides Pholidoptera transsylvanica Saga pedo Stenobothrus (Stenobothrodes) eurasius ARACHNIDA

Araneae

Macrothele calpeiana

MOLLUSCS GASTROPODA

Anisus vorticulus *Caseolus calculus* Caseolus commixta Caseolus sphaerula Chilostoma banaticum Discula leacockiana Discula tabellata Discula testudinalis Discula turricula Discus defloratus Discus guerinianus Elona quimperiana *Geomalacus maculosus* Geomitra moniziana Gibbula nivosa Hygromia kovacsi Idiomela (Helix) subplicata Lampedusa imitatrix Lampedusa melitensis Leiostyla abbreviata Leiostyla cassida Leiostyla corneocostata Leiostyla gibba Leiostyla lamellosa Paladilhia hungarica Patella ferruginea Sadleriana pannonica Theodoxus prevostianus Theodoxus transversalis

BIVALVIA

Anisomyaria

Lithophaga lithophaga Pinna nobilis

Unionoida

Margaritifera auricularia Unio crassus

Dreissenidae

Congeria kusceri ECHINODERMATA

Echinoidea

Centrostephanus longispinus

(b) PLANTS

Annex IV (b) contains all the plant species listed in Annex II (b) ⁽⁸⁾ plus those mentioned below: PTERIDOPHYTA
ASPLENIACEAE
Asplenium hemionitis L.
ANGIOSPERMAE
AGAVACEAE
Dracaena draco (L.) L.
AMARYLLIDACEAE
Narcissus longispathus Pugsley Narcissus triandrus L.
BERBERIDACEAE
Berberis maderensis Lowe CAMPANULACEAE
Campanula morettiana Reichenb.
Physoplexis comosa (L.) Schur.
CARYOPHYLLACEAE
Moehringia fontqueri Pau
COMPOSITAE
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
<i>Teucrium charidemi</i> Sandwith
<i>Thymus capitellatus</i> Hoffmanns. & Link

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

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 RODENTIA

Castoridae

Castor fiber (Finnish, Swedish, Latvian, Lithuanian, Estonian and Polish populations)

Cricetidae

Cricetus cricetus (Hungarian populations) CARNIVORA

Canidae

Canis aureus

Canis lupus (Spanish populations north of the Duero, Greek populations north of the 39th parallel, Finnish populations within the reindeer management area as defined in paragraph 2 of the Finnish Act No 848/90 of 14 September 1990 on reindeer management, Bulgarian, Latvian, Lithuanian, Estonian, Polish and Slovak populations)

Mustelidae

Martes martes Mustela putorius

Felidae

Lynx lynx (Estonian population)

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, Rupicapra rupicapra ornata and Rupicapra rupicapra tatrica) AMPHIBIANS ANURA

Ranidae

Rana esculenta Rana perezi Rana ridibunda Rana temporaria

FISH

PETROMYZONIFORMES

Petromyzonidae

Lampetra fluviatilis Lethenteron zanandrai ACIPENSERIFORMES

Acipenseridae

All species not mentioned in Annex IV CLUPEIFORMES

Clupeidae

Alosa spp. 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) CYPRINIFORMES

Cyprinidae

Aspius aspius Barbus spp. Pelecus cultratus Rutilus friesii meidingeri Rutilus pigus

SILURIFORMEŜ

Siluridae

Silurus aristotelis PERCIFORMES

Percidae

Gymnocephalus schraetzer Zingel zingel INVERTEBRATES COELENTERATA CNIDARIA

Corallium rubrum MOLLUSCA GASTROPODA — STYLOMMATOPHORA Helix pomatia BIVALVIA — UNIONOIDA

Margaritiferidae

Margaritifera margaritifera

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

RHODORFORFALLINACEAE

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 pylaisii Brid.) PTERIDOPHYTA Lycopodium spp. ANGIOSPERMAE AMARYLLIDACEAE Galanthus nivalis L. Narcissus bulbocodium L.

Narcissus juncifolius Lagasca COMPOSITAE Arnica montana L. Artemisia eriantha Tem Artemisia genipi Weber Doronicum plantagineum L. subsp. tournefortii (Rouy) P. Cout. Leuzea rhaponticoides Graells **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 lusitanica Ker-Gawler LABIATAE Teucrium salviastrum Schreber subsp. salviastrum Schreber LEGUMINOSAE Anthyllis lusitanica 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. Scrophularia berminii Hoffmanns & Link *Scrophularia sublyrata* Brot.]

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

- (1) OJ No C 247, 21. 9. 1988, p. 3 and OJ No C 195, 3. 8. 1990, p. 1.
- (2) OJ No C 75, 20. 3. 1991, p. 12.
- (**3**) OJ No C 31, 6. 2. 1991, p. 25.
- (4) OJ No C 328, 7. 12. 1987, p. 1.
- (5) OJ No L 103, 25. 4. 1979, p. 1. Directive as last amended by Directive 91/244/ECC (OJ No L 115, 8. 5. 1991, p. 41).
- (6) [^{F2}Council Decision 1999/468/EC of 28 June 1999 laying down the procedures for the exercise of implementing powers conferred on the Commission (OJ L 184, 17.7.1999, p. 23).]
- (7) [^{F1} Interpretation Manual of European Union Habitats', version EUR 15/2" adopted by the Habitats Committee on 4 October 1999 and 'Amendments to the "Interpretation Manual of European Union Habitats" with a view to EU enlargement' (Hab. 01/11b-rev. 1) adopted by the Habitats Committee on 24 April 2002 after written consultation, European Commission, Directorate General for Environment.]
- (8) [^{F1}Except bryophytes in Annex II (b).]

Textual Amendments

- **F1** Substituted by Council Directive 2006/105/EC of 20 November 2006 adapting Directives 73/239/EEC, 74/557/EEC and 2002/83/EC in the field of environment, by reason of the accession of Bulgaria and Romania.
- F2 Substituted by Regulation (EC) No 1882/2003 of the European Parliament and of the Council of 29 September 2003 adapting to Council Decision 1999/468/EC the provisions relating to committees which assist the Commission in the exercise of its implementing powers laid down in instruments subject to the procedure referred to in Article 251 of the EC Treaty.