

Convention on the conservation of european wildlife and natural habitats

The member States of the Council of Europe and the other signatories hereto,

Considering that the aim of the Council of Europe is to achieve a greater unity between its members;

Considering the wish of the Council of Europe to co-operate with other States in the field of nature conservation;

Recognising that wild flora and fauna constitute a natural heritage of aesthetic, scientific, cultural, recreational, economic and intrinsic value that needs to be preserved and handed on to future generations;

Recognising the essential role played by wild flora and fauna in maintaining biological balances;

Noting that numerous species of wild flora and fauna are being seriously depleted and that some of them are threatened with extinction;

Aware that the conservation of natural habitats is a vital component of the protection and conservation of wild flora and fauna;

Recognising that the conservation of wild flora and fauna should be taken into consideration by the governments in their national goals and programmes, and that international co-operation should be established to protect migratory species in particular;

Bearing in mind the widespread requests for common action made by governments or by international bodies, in particular the requests expressed by the United Nations Conference on the Human Environment 1972 and the Consultative Assembly of the Council of Europe;

Desiring particularly to follow, in the field of wildlife conservation, the recommendations of Resolution No. 2 of the Second European Ministerial Conference on the Environment,

Have agreed as follows:

Chapter I - General provisions

Article 1

1. The aims of this Convention are to conserve wild flora and fauna and their natural habitats, especially those species and habitats whose conservation requires the co-operation of several States, and to promote such co-operation.

2. Particular emphasis is given to endangered and vulnerable species, including endangered and vulnerable migratory species.

Article 2

The Contracting Parties shall take requisite measures to maintain the population of wild flora and fauna at, or adapt it to, a level which corresponds in particular to ecological, scientific and cultural requirements, while taking account of economic and recreational requirements and the needs of sub-species, varieties or forms at risk locally.

Article 3

1. Each Contracting Party shall take steps to promote national policies for the conservation of wild flora, wild fauna and natural habitats, with particular attention to endangered and vulnerable species, especially endemic ones, and endangered habitats, in accordance with the provisions of this Convention.

2. Each Contracting Party undertakes, in its planning and development policies and in its measures against pollution, to have regard to the conservation of wild flora and fauna.

3. Each Contracting Party shall promote education and disseminate general information on the need to conserve species of wild flora and fauna and their habitats.

Chapter II - Protection of habitats

Article 4

1. Each Contracting Party shall take appropriate and necessary legislative and administrative measures to ensure the conservation of the habitats of the wild flora and fauna species, especially those specified in Appendices I and II, and the conservation of endangered natural habitats.

2. The Contracting Parties in their planning and development policies shall have regard to the conservation requirements of the areas protected under the preceding paragraph, so as to avoid or minimise as far as possible any deterioration of such areas.

3. The Contracting Parties undertake to give special attention to the protection of areas that are of importance for the migratory species specified in Appendices II and III and which are appropriately situated in relation to migration routes, as wintering, staging, feeding, breeding or moulting areas.

4. The Contracting Parties undertake to co-ordinate as appropriate their efforts for the protection of the natural habitats referred to in this article when these are situated in frontier areas.

Chapter III - Protection of species

Article 5

Each Contracting Party shall take appropriate and necessary legislative and administrative measures to ensure the special protection of the wild flora species specified in Appendix I. Deliberate picking, collecting, cutting or uprooting of such plants shall be prohibited. Each Contracting Party shall, as appropriate, prohibit the possession or sale of these species.

Article 6

Each Contracting Party shall take appropriate and necessary legislative and administrative measures to ensure the special protection of the wild fauna species specified in Appendix II. The following will in particular be prohibited for these species:

- a. all forms of deliberate capture and keeping and deliberate killing;
- b. the deliberate damage to or destruction of breeding or resting sites;
- c. the deliberate disturbance of wild fauna, particularly during the period of breeding, rearing and hibernation, insofar as disturbance would be significant in relation to the objectives of this Convention;
- d. the deliberate destruction or taking of eggs from the wild or keeping these eggs even if empty;
- e. the possession of and internal trade in these animals, alive or dead, including stuffed animals and any readily recognisable part or derivative thereof, where this would contribute to the effectiveness of the provisions of this article.

Article 7

1. Each Contracting Party shall take appropriate and necessary legislative and administrative measures to ensure the protection of the wild fauna species specified in Appendix III.
2. Any exploitation of wild fauna specified in Appendix III shall be regulated in order to keep the populations out of danger, taking into account the requirements of Article 2.
3. Measures to be taken shall include:
 - a. closed seasons and/or other procedures regulating the exploitation;
 - b. the temporary or local prohibition of exploitation, as appropriate, in order to restore satisfactory population levels;
 - c. the regulation as appropriate of sale, keeping for sale, transport for sale or offering for sale of live and dead wild animals.

Article 8

In respect of the capture or killing of wild fauna species specified in Appendix III and in cases where, in accordance with Article 9, exceptions are applied to species specified in Appendix II, Contracting Parties shall prohibit the use of all indiscriminate means of capture and killing and the use of all means capable of causing local disappearance of, or serious disturbance to, populations of a species, and in particular, the means specified in Appendix IV.

Article 9

1. Each Contracting Party may make exceptions from the provisions of Articles 4, 5, 6, 7 and from the prohibition of the use of the means mentioned in Article 8 provided that there is no other satisfactory solution and that the exception will not be detrimental to the survival of the population concerned:

- for the protection of flora and fauna;
- to prevent serious damage to crops, livestock, forests, fisheries, water and other forms of property;
- in the interests of public health and safety, air safety or other overriding public interests;
- for the purposes of research and education, of repopulation, of reintroduction and for the necessary breeding;
- to permit, under strictly supervised conditions, on a selective basis and to a limited extent, the taking, keeping or other judicious exploitation of certain wild animals and plants in small numbers.

2. The Contracting Parties shall report every two years to the Standing Committee on the exceptions made under the preceding paragraph. These reports must specify:

- the populations which are or have been subject to the exceptions and, when practical, the number of specimens involved;
- the means authorised for the killing or capture;
- the conditions of risk and the circumstances of time and place under which such exceptions were granted;
- the authority empowered to declare that these conditions have been fulfilled, and to take decisions in respect of the means that may be used, their limits and the persons instructed to carry them out;
- the controls involved.

Chapter IV - Special provisions for migratory species

Article 10

1. The Contracting Parties undertake, in addition to the measures specified in Articles 4, 6, 7 and 8, to co-

ordinate their efforts for the protection of the migratory species specified in Appendices II and III whose range extends into their territories.

2. The Contracting Parties shall take measures to seek to ensure that the closed seasons and/or other procedures regulating the exploitation established under paragraph 3.a of Article 7 are adequate and appropriately disposed to meet the requirements of the migratory species specified in Appendix III.

Chapter V - Supplementary provisions

Article 11

1. In carrying out the provisions of this Convention, the Contracting Parties undertake:

a. to co-operate whenever appropriate and in particular where this would enhance the effectiveness of measures taken under other articles of this Convention;

b. to encourage and co-ordinate research related to the purposes of this Convention.

2. Each Contracting Party undertakes:

a. to encourage the reintroduction of native species of wild flora and fauna when this would contribute to the conservation of an endangered species, provided that a study is first made in the light of the experiences of other Contracting Parties to establish that such reintroduction would be effective and acceptable;

b. to strictly control the introduction of non-native species.

3. Each Contracting Party shall inform the Standing Committee of the species receiving complete protection on its territory and not included in Appendices I and II.

Article 12

The Contracting Parties may adopt stricter measures for the conservation of wild flora and fauna and their natural habitats than those provided under this Convention.

Chapter VI - Standing Committee

Article 13

1. For the purposes of this Convention, a Standing Committee shall be set up.

2. Any Contracting Party may be represented on the Standing Committee by one or more delegates. Each delegation shall have one vote. Within the areas of its competence, the European Economic Community shall exercise its right to vote with a number of votes equal to the number of its member States which are Contracting Parties to this Convention; the European Economic Community shall not exercise its right to vote in cases

where the member States concerned exercise theirs, and conversely.

3. Any member State of the Council of Europe which is not a Contracting Party to the Convention may be represented on the committee as an observer.

The Standing Committee may, by unanimous decision, invite any non-member State of the Council of Europe which is not a Contracting Party to the Convention to be represented by an observer at one of its meetings.

Any body or agency technically qualified in the protection, conservation or management of wild fauna and flora and their habitats, and belonging to one of the following categories:

a. international agencies or bodies, either governmental or non-governmental, and national governmental agencies or bodies;

b. national non-governmental agencies or bodies which have been approved for this purpose by the State in which they are located, may inform the Secretary General of the Council of Europe, at least three months before the meeting of the Committee, of its wish to be represented at that meeting by observers. They shall be admitted unless, at least one month before the meeting, one-third of the Contracting Parties have informed the Secretary General of their objection.

4. The Standing Committee shall be convened by the Secretary General of the Council of Europe. Its first meeting shall be held within one year of the date of the entry into force of the Convention. It shall subsequently meet at least every two years and whenever a majority of the Contracting Parties so request.

5. A majority of the Contracting Parties shall constitute a quorum for holding a meeting of the Standing Committee.

6. Subject to the provisions of this Convention, the Standing Committee shall draw up its own Rules of Procedure.

Article 14

1. The Standing Committee shall be responsible for following the application of this Convention. It may in particular:

- keep under review the provisions of this Convention, including its appendices, and examine any modifications necessary;

- make recommendations to the Contracting Parties concerning measures to be taken for the purposes of this Convention;

- recommend the appropriate measures to keep the public informed about the activities undertaken within the framework of this Convention;

- make recommendations to the Committee of Ministers concerning non-member States of the Council of Europe to be invited to accede to this Convention;

- make any proposal for improving the effectiveness of this Convention, including proposals for the conclusion, with the States which are not Contracting Parties to the Convention, of agreements that would enhance the effective conservation of species or groups of species.

2. In order to discharge its functions, the Standing Committee may, on its own initiative, arrange for meetings of groups of experts.

Article 15

After each meeting, the Standing Committee shall forward to the Committee of Ministers of the Council of Europe a report on its work and on the functioning of the Convention.

Chapter VII - Amendments

Article 16

1. Any amendment to the articles of this Convention proposed by a Contracting Party or the Committee of Ministers shall be communicated to the Secretary General of the Council of Europe and forwarded by him at least two months before the meeting of the Standing Committee to the member States of the Council of Europe, to any signatory, to any Contracting Party, to any State invited to sign this Convention in accordance with the provisions of Article 19 and to any State invited to accede to it in accordance with the provisions of Article 20.

2. Any amendment proposed in accordance with the provisions of the preceding paragraph shall be examined by the Standing Committee which:

a. for amendments to Articles 1 to 12, shall submit the text adopted by a three-quarters majority of the votes cast to the Contracting Parties for acceptance;

b. for amendments to Articles 13 to 24, shall submit the text adopted by a three-quarters majority of the votes cast to the Committee of Ministers for approval. After its approval, this text shall be forwarded to the Contracting Parties for acceptance.

3. Any amendment shall enter into force on the thirtieth day after all the Contracting Parties have informed the Secretary General that they have accepted it.

4. The provisions of paragraphs 1, 2.a and 3 of this article shall apply to the adoption of new appendices to this Convention.

Article 17

1. Any amendment to the appendices of this Convention proposed by a Contracting Party or the Committee of

Ministers shall be communicated to the Secretary General of the Council of Europe and forwarded by him at least two months before the meeting of the Standing Committee to the member States of the Council of Europe, to any signatory, to any Contracting Party, to any State invited to sign this Convention in accordance with the provisions of Article 19 and to any State invited to accede to it in accordance with the provisions of Article 20.

2. Any amendment proposed in accordance with the provisions of the preceding paragraph shall be examined by the Standing Committee, which may adopt it by a two-thirds majority of the Contracting Parties. The text adopted shall be forwarded to the Contracting Parties.

3. Three months after its adoption by the Standing Committee and unless one-third of the Contracting Parties have notified objections, any amendment shall enter into force for those Contracting Parties which have not notified objections.

Chapter VIII - Settlement of disputes

Article 18

1. The Standing Committee shall use its best endeavours to facilitate a friendly settlement of any difficulty to which the execution of this Convention may give rise.

2. Any dispute between Contracting Parties concerning the interpretation or application of this Convention which has not been settled on the basis of the provisions of the preceding paragraph or by negotiation between the parties concerned shall, unless the said parties agree otherwise, be submitted, at the request of one of them, to arbitration. Each party shall designate an arbitrator and the two arbitrators shall designate a third arbitrator. Subject to the provisions of paragraph 3 of this article, if one of the parties has not designated its arbitrator within the three months following the request for arbitration, he shall be designated at the request of the other party by the President of the European Court of Human Rights within a further three months' period. The same procedure shall be observed if the arbitrators cannot agree on the choice of the third arbitrator within the three months following the designation of the two first arbitrators.

3. In the event of a dispute between two Contracting Parties one of which is a member State of the European Economic Community, the latter itself being a Contracting Party, the other Contracting Party shall address the request for arbitration both to the member State and to the Community, which jointly shall notify it, within two months of receipt of the request, whether the member State or the Community, or the member and the Community jointly, shall be party to the dispute. In the absence of such notification within the said time limit, the member State and the Community shall be considered as being one and the same party to the dispute for the

purposes of the application of the provisions governing the constitution and procedure of the arbitration tribunal. The same shall apply when the member State and the Community jointly present themselves as party to the dispute.

4. The arbitration tribunal shall draw up its own Rules of Procedure. Its decisions shall be taken by majority vote. Its award shall be final and binding.

5. Each party to the dispute shall bear the expenses of the arbitrator designated by it and the parties shall share equally the expenses of the third arbitrator, as well as other costs entailed by the arbitration.

Chapter IX - Final provisions

Article 19

1. This Convention shall be open for signature by the member States of the Council of Europe and non-member States which have participated in its elaboration and by the European Economic Community.

Up until the date when the Convention enters into force, it shall also be open for signature by any other State so invited by the Committee of Ministers.

The Convention is subject to ratification, acceptance or approval. Instruments of ratification, acceptance or approval shall be deposited with the Secretary General of the Council of Europe.

2. The Convention shall enter into force on the first day of the month following the expiry of a period of three months after the date on which five States, including at least four member States of the Council of Europe, have expressed their consent to be bound by the Convention in accordance with the provisions of the preceding paragraph.

3. In respect of any signatory State or the European Economic Community which subsequently express their consent to be bound by it, the Convention shall enter into force on the first day of the month following the expiry of a period of three months after the date of the deposit of the instrument of ratification, acceptance or approval.

Article 20

1. After the entry into force of this Convention, the Committee of Ministers of the Council of Europe, after consulting the Contracting Parties, may invite to accede to the Convention any non-member State of the Council which, invited to sign in accordance with the provisions of Article 19, has not yet done so, and any other non-member State.

2. In respect of any acceding State, the Convention shall enter into force on the first day of the month following the expiry of a period of three months after the date of the

deposit of the instrument of accession with the Secretary General of the Council of Europe.

Article 21

1. Any State may, at the time of signature or when depositing its instrument of ratification, acceptance, approval or accession, specify the territory or territories to which this Convention shall apply.

2. Any Contracting Party may, when depositing its instrument of ratification, acceptance, approval or accession or at any later date, by declaration addressed to the Secretary General of the Council of Europe, extend the application of this Convention to any other territory specified in the declaration and for whose international relations it is responsible or on whose behalf it is authorised to give undertakings.

3. Any declaration made under the preceding paragraph may, in respect of any territory mentioned in such declaration, be withdrawn by notification addressed to the Secretary General. Such withdrawal shall become effective on the first day of the month following the expiry of a period of six months after the date of receipt of the notification by the Secretary General.

Article 22¹

1. Any State may, at the time of signature or when depositing its instrument of ratification, acceptance, approval or accession, make one or more reservations regarding certain species specified in Appendices I to III and/or, for certain species mentioned in the reservation or reservations, regarding certain means or methods of killing, capture and other exploitation listed in Appendix IV. No reservations of a general nature may be made.

2. Any Contracting Party which extends the application of this Convention to a territory mentioned in the declaration referred to in paragraph 2 of Article 21 may, in respect of the territory concerned, make one or more reservations in accordance with the provisions of the preceding paragraph.

3. No other reservation may be made.

4. Any Contracting Party which has made a reservation under paragraphs 1 and 2 of this article may wholly or partly withdraw it by means of a notification addressed to the Secretary General of the Council of Europe. Such withdrawal shall take effect as from the date of receipt of the notification by the Secretary General.

Article 23

1. Any Contracting Party may, at any time, denounce this Convention by means of a notification addressed to the Secretary General of the Council of Europe.

2. Such denunciation shall become effective on the first day of the month following the expiry of a period of six

months after the date of receipt of the notification by the Secretary General.

Article 24

The Secretary General of the Council of Europe shall notify the member States of the Council of Europe, any signatory State, the European Economic Community if a signatory of this Convention and any Contracting Party of:

- a. any signature;
- b. the deposit of any instrument of ratification, acceptance, approval or accession;
- c. any date of entry into force of this Convention in accordance with Articles 19 and 20;
- d. any information forwarded under the provisions of paragraph 3 of Article 13;
- e. any report established in pursuance of the provisions of Article 15;
- f. any amendment or any new appendix adopted in accordance with Articles 16 and 17 and the date on which the amendment or new appendix comes into force;
- g. any declaration made under the provisions of paragraphs 2 and 3 of Article 21;
- h. any reservation made under the provisions of paragraphs 1 and 2 of Article 22;
- i. the withdrawal of any reservation carried out under the provisions of paragraph 4 of Article 22;
- j. any notification made under the provisions of Article 23 and the date on which the denunciation takes effect.

In witness whereof the undersigned, being duly authorised thereto, have signed this Convention.

Done at Bern, this 19th day of September 1979, in English and French, both texts being equally authentic, in a single copy which shall be deposited in the archives of the Council of Europe. The Secretary General of the Council of Europe shall transmit certified copies to each member State of the Council of Europe, to any signatory State, to the European Economic Community if a signatory and to any State invited to sign this Convention or to accede thereto.

Appendix I

Strictly protected flora species

(Med.) = in the Mediterranean

I. - Pteridophyta

Aspleniaceae

- *Asplenium hemionitis* L.

- *Asplenium jahandiezii* (Litard.) Rouy

Blechnaceae

- *Woodwardia radicans* (L.) Sm.

Dicksoniaceae

- *Culcita macrocarpa* C.Presl

Dryopteridaceae

- *Dryopteris corleyi* Fraser-Jenk.

Hymenophyllaceae

- *Trichomanes speciosum* Willd.

Isoetaceae

- *Isoetes boryana* Durieu

- *Isoetes malinverniana* Ces. & De Not.

Marsileaceae

- *Marsilea batardae* Launert

- *Marsilea quadrifolia* L.

- *Marsilea strigosa* Willd.

- *Pilularia minuta* Durieu ex.Braun

Ophioglossaceae

- *Botrychium matricariifolium* A. Braun ex Koch

- *Botrychium multifidum* (S. G. Gmelin) Rupr.

- *Botrychium simplex* Hitchc.

- *Ophioglossum polyphyllum* A.Braun

Salviniaceae

- *Salvinia natans* (L.) All.

Gymnospinaceae

- *Abies nebrodensis* (Lojac.) Mattei

II. - Angiospermae

Alismataceae

- *Alisma wahlenbergii* (O.R.Holmb.) Juz.

- *Caldesia parnassifolia* (L.) Parl.

- *Luronium natans* (L.) Raf.

Amaryllidaceae

- *Leucojum nicaeense* Ard.

- *Narcissus angustifolius* Curt.

- *Narcissus longispathus* Pugsley

- *Narcissus nevadensis* Pugsley

- *Narcissus scaberulus* Henriq.

- *Narcissus triandrus* L.

- *Narcissus viridiflorus* Schousboe
- *Sternbergia candida* B.Mathew & Baytop

Apocynaceae

- *Rhazya orientalis* (Decaisne) A.DC.

Araceae

- *Arum purpureospathum* Boyce

Aristolochiaceae

- *Aristolochia samsunensis* Davis

Asclepiadaceae

- *Vincetoxicum pannonicum* (Borhidi) Holub

Boraginaceae

- *Alkanna pinardii* Boiss.
- *Anchusa crispa* Viv. (inclu. *A. litorea*)
- *Lithodora nitida* (H.Ern) R.Fernandes
- *Myosotis praecox* Hulphers
- *Myosotis rehsteineri* Wartm.
- *Omphalodes kuzinskyana* Willk.
- *Omphalodes littoralis* Lehm.
- *Onosma halophilum* Boiss. & Heldr.
- *Onosma polyphylla* Lebed.
- *Onosma proponticum* Aznav.
- *Onosma tornensis* Javorka
- *Onosma troodi* Kotschy
- *Solenanthus albanicus* (Degen et al.)
- Degen & Baldacci
- *Symphytum cycladense* Pawl.

Campanulaceae

- *Asyneuma giganteum* (Boiss.) Bornm.
- *Campanula abietina* Griseb. et Schenk.
- *Campanula damboldtiana* Davis
- *Campanula gelida* Kovanda
- *Campanula lanata* Friv.
- *Campanula lycica* Sorger & Kit Tan
- *Campanula morettiana* Reichenb.
- *Campanula romanica* Savul.
- *Campanula sabatia* De Not.
- *Jasione lusitanica* A.DC.
- *Physoplexis comosa* (L.) Schur
- *Trachelium asperuloides* Boiss. & Orph.

Caryophyllaceae

- *Arenaria nevadensis* Boiss. & Reuter
- *Arenaria provincialis* Chater & Halliday
- *Cerastium alsinifolium* Tausch
- *Dianthus hypanicus* Andrz.
- *Dianthus nitidus* Waldst. et Kit.
- *Dianthus rupicola* Biv.
- *Dianthus serotinus* Waldst. et Kit.
- *Dianthus urumoffii* Stoj. et Acht.
- *Gypsophila papillosa* P.Porta
- *Herniaria algarvica* Chaudri
- *Herniaria maritima* Link
- *Minuartia smejkalii* Dvorakova
- *Moehringia fontqueri* Pau
- *Moehringia hypanica* Grynj. et Klok.
- *Moehringia jankae* Griseb. ex Janka
- *Moehringia tommasinii* Marches.
- *Petrocoptis grandiflora* Rothm.
- *Petrocoptis montsicciana* O.Bolos Rivas Mart.
- *Petrocoptis pseudoviscosa* Fernandez Casas
- *Saponaria halophila* Hedge & Hub.-Mor.
- *Silene cretacea* Fisch. ex Spreng.
- *Silene furcata* Raf. subsp. *angustiflora* (Rupr.) Walters
- *Silene haussknechtii* Heldr. ex Hausskn.
- *Silene hifacensis* Rouy ex Willk.
- *Silene holzmannii* Heldr. ex Boiss.
- *Silene mariana* Pau
- *Silene orphanidis* Boiss.
- *Silene pompeiopopolitana* Gay ex Boiss.
- *Silene rothmaleri* Pinto da Silva
- *Silene salsuginea* Hub.-Mor.
- *Silene sangaria* Coode & Cullen
- *Silene velutina* Pourret ex Loisel.

Chenopodiaceae

- *Beta adanensis* Pamuk. apud Aellen
- *Beta trojana* Pamuk. apud Aellen
- *Kalidiopsis wagenitzii* Aellen
- *Kochia saxicola* Guss.

- *Microcnemum coralloides* (Loscos & Pardo) subsp. *anatolicum* Wagenitz

- *Salicornia veneta* Pignatti & Lausi

- *Salsola anatolica* Aellen

- *Suaeda cucullata* Aellen

Cistaceae

- *Helianthemum alypoides* Losa & Rivas Goday

- *Helianthemum arcticum* (Grosser) Janch.

- *Helianthemum caput-felis* Boiss.

- *Tuberaria major* (Willk.) Pinto da Silva & Roseira

Compositae

- *Achillea glaberrima* Klok.

- *Achillea thracica* Velen.

- *Anacyclus latealatus* Hub.-Mor.

- *Andryala levitomentosa* (E. I. Nayar) P. D. Sell

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

- *Anthemis halophila* Boiss. & Bal.

- *Anthemis trotzkiana* Claus ex Bunge.

- *Artemisia granatensis* Boiss.

- *Artemisia insipida* Vill.

- *Artemisia laciniata* Willd.

- *Artemisia panicii* (Janka) Ronn.

- *Aster pyrenaicus* Desf. ex DC. France,

- *Aster sibiricus* L.

- *Carduus myriacanthus* Salzm. ex DC.

- *Carlina diae* (Rech.f.) Meusel & Kastener

- *Carlina onopordifolia* Besser

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

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

- *Gugler* (*Centaurea princeps* Boiss. & Heldr.)

- *Centaurea akamatis*

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

- *Centaurea balearica* J.D.Rodríguez

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

- *Centaurea citricolor* Font Quer

- *Centaurea corymbosa* Pourret

- *Centaurea dubjanskyi* Iljin.

- *Centaurea hermannii* F.Hermann

- *Centaurea horrida* Badaro

- *Centaurea jankae* Brandza

- *Centaurea kalambakensis* Freyn & Sint.

- *Centaurea kartschiana* Scop.

- *Centaurea lactiflora* Halacsy

- *Centaurea niederi* Heldr.

- *Centaurea peucedanifolia* Boiss. & Orph.

- *Centaurea pineticola* Iljin.

- *Centaurea pinnata* Pau

- *Centaurea pontica* Prodan & E. I. Nayar

- *Centaurea pseudoleucolepis* Kleop

- *Centaurea pulvinata* (G.Blanca) G.Blanca

- *Centaurea tchihatcheffii* Fich. & Mey.

- *Crepis crocifolia* Boiss. & Heldr.

- *Crepis granatensis* (Willk.) G.Blanca & M.Cueto

- *Crepis purpurea* Willd. Bieb.

- *Dendranthema zawadskyi* (Herb.) Tzvel.

- *Erigeron frigidus* Boiss. ex DC.

- *Helichrysum sibthorpii* Rouy

- *Hymenostemma pseudanthemis* (Kunze) Willd.

- *Jurinea cyanoides* (L.) Reichenb.

- *Jurinea fontqueri* Cuatrec.

- *Lagoseris purpurea* (Willd.) Boiss.

- *Lamyropsis microcephala* (Moris) Dittrich & Greuter

- *Leontodon boryi* Boiss. ex DC.

- *Leontodon microcephalus* (Boiss. ex DC.) Boiss.

- *Leontodon siculus* (Guss.) Finch & Sell

- *Ligularia sibirica* (L.) Cass.**

- *Picris willkommii* (Schultz Bip.) Nyman

- *Santolina elegans* Boiss. ex DC.

- *Senecio elodes* Boiss. ex DC.

- *Senecio nevadensis* Boiss. & Reuter

- *Serratula tanaitica* P. Smirn.

- *Sonchus erzincanicus* Matthews

- *Wagenitzia lancifolia* (Sieber ex Sprengel) Dostal

Convolvulaceae

- *Convolvulus argyrothamnos* Greuter

- *Convolvulus pulvinatus* Sa'ad

Cruciferae

- *Alyssum akamasicum* B.L.Burt
- *Alyssum borzaeanum* E. I. Nayardy
- *Alyssum pyrenaicum* Lapeyr. (*Ptilotrichum pyrenaicum* (Lapeyr.) Boiss.)
- *Arabis kennedyae* Meikle
- *Armoracia macrocarpa* (Waldst. & Kit.) Kit. ex Baumg.
- *Aurinia uechtriziana* (Bornm.) Cullen et T. R. Dudley
- *Biscutella neustriaca* Bonnet
- *Boleum asperum* (Pers.) Desvaux
- *Brassica glabrescens* Poldini
- *Brassica hilarionis* Post
- *Brassica insularis* Moris
- *Brassica macrocarpa* Guss.
- *Brassica sylvestris* (L.) Mill. subsp. *taurica* Tzvel.
- *Braya purpurascens* (R.Br.) Bunge
- *Cochlearia polonica* Frohlich
- *Coincya rupestris* Rouy (*Hutera rupestris* P. Porta)
- *Coronopus navasii* Pau
- *Crambe koktebelica* (Junge) N. Busch.
- *Crambe litwinowii* K. Gross.
- *Diplotaxis ibicensis* (Pau) Gomez-Campo
- *Diplotaxis siettiana* Maire
- *Draba dorneri* Heuffel
- *Erucastrum palustre* (Pirona) Vis.
- *Erysimum pieninicum* (Zapal.) Pawl.
- *Iberis arbuscula* Runemark
- *Ionopsidium acaule* (Desf.) Reichemb.
- *Ionopsidium savianum* (Caruel) Ball ex Arcang.
- *Lepidium turczaninowii* Lipsky.
- *Murbeckiella sousae* Rothm.
- *Schivereckia podolica* (Besser) Andrz.
- *Sisymbrium cavanillesianum* Valdes & Castroviejo (*S. matritense* P.W.Ball & Heywood)
- *Sisymbrium confertum* Stev.
- *Sisymbrium supinum* L.
- *Thlaspi carriense* A.Carlström
- *Thlaspi jankae* A. Kern

Cyperaceae

- *Carex secalina* Willd. ex Wahlenb.

- *Eleocharis carniolica* Koch

Dioscoreaceae

- *Borderea chouardii* (Gausson) Heslot

Dipsacaceae

- *Dipsacus cephalarioides* Mathews & Kupicha

Droseraceae

- *Aldrovanda vesiculosa* L.

Ericaceae

- *Vaccinium arctostaphylos* L.

Euphorbiaceae

- *Euphorbia margalidiana* Kuhbier & Lewejohann
- *Euphorbia nevadensis* Boiss. & Reuter

Gentianaceae

- *Centaurium rigualii* Esteve Chueca
- *Centaurium somedanum* Lainz
- *Gentiana ligustica* R. de Vilm. Chopinet
- *Gentianella anglica* (Pugsley) E.F. Warburg

Geraniaceae

- *Erodium astragaloides* Boiss. & Reuter
- *Erodium chrysanthum* L'Herit. ex DC.
- *Erodium paularense* Fernandez-Gonzalez & Izco
- *Erodium rupicola* Boiss.

Gesneriaceae

- *Haberlea rhodopensis* Friv.
- *Jankaea heldreichii* (Boiss.) Boiss.
- *Ramonda serbica* Pancic

Gramineae

- *Avenula hackelii* (Henriq.) Holub
- *Bromus bromoideus* (Lej.) Crepin
- *Bromus grossus* Desf. ex DC.
- *Bromus interruptus* (Hackel) Druce
- *Bromus moesiacus* Velen.
- *Bromus psammophilus* P.M.Smith
- *Coleanthus subtilis* (Tratt.) Seidl
- *Eremopoa mardinensis* R.Mill
- *Gaudinia hispanica* Stace & Tutin
- *Micropyropsis tuberosa* Romero-Zarco Cabezudo
- *Poa granitica* Br.- Bl.
- *Poa riphaea* (Ascherson et Graebner) Fritsch

- *Puccinellia pungens* (Pau) Paunero
- *Stipa austroitalica* Martinovsky
- *Stipa bavarica* Martinovsky & H.Scholz
- *Stipa danubialis* Dihoru & Roman
- *Stipa styriaca* Martinovsky
- *Stipa syreistschikowii* P. Smirn.
- *Trisetum subalpestre* (Hartm.) Neuman

Grossulariaceae

- *Ribes sardoum* Martelli

Hypericaceae

- *Hypericum aciferum* (Greuter) N.K.B.Robson
- *Hypericum salsugineum* Robson & Hub.-Mor.

Iridaceae

- *Crocus abantensis* T.Baytop & Mathew
- *Crocus cyprius* Boiss. & Kotschy
- *Crocus etruscus* Parl.
- *Crocus hartmannianus* Holmboe
- *Crocus robertianus* C.D. Brickell
- *Gladiolus felicitis* Mirek
- *Iris marsica* Ricci & Colasante

Labiatae

- *Dracocephalum austriacum* L.
- *Dracocephalum ruyschiana* L.
- *Micromeria taygetea* P.H.Davis
- *Nepeta dirphyia* (Boiss.) Heldr. ex Halacsy
- *Nepeta sphaciotica* P.H.Davis
- *Origanum cordifolium* (Auch. & Montbr.) Vogel
(*Amaracus cordifolium* Montr. & Auch.)
- *Origanum dictamnus* L.
- *Origanum scabrum* Boiss. & Heldr
- *Phlomis brevibracteata* Turrill
- *Phlomis cypria* Post
- *Rosmarinus tomentosus* Huber-Morath & Maire
- *Salvia crassifolia* Sibth. & Smith
- *Sideritis cypria* Post
- *Sideritis incana* L. subsp. *glauca* (Cav.) Malagarriga
- *Sideritis javalambrensis* Pau
- *Sideritis serrata* Cav. ex Lag.
- *Teucrium charidemi* Sandwith

- *Teucrium lamiifolium* D'Urv.
- *Teucrium lepicephalum* Pau
- *Teucrium turredanum* Losa & Rivas Goday
- *Thymus aznavourii* Velen.
- *Thymus camphoratus* Hoffmanns. & Link
- *Thymus carnosus* Boiss.
- *Thymus cephalotos* L.

Leguminosae

- *Anthyllis hystrix* Cardona, Contandr. & E.Sierra
- *Astragalus aitosensis* Ivanisch.
- *Astragalus algarbiensis* Coss. ex Bunge
- *Astragalus aquilanus* Anzalone
- *Astragalus centralpinus* Braun-Blanquet
- *Astragalus kungurensis* Boriss.
- *Astragalus macrocarpus* DC. subsp. *lefkarensis*
- *Agerer-Kirchoff* & Meikle
- *Astragalus maritimus* Moris
- *Astragalus peterfii* Jav.
- *Astragalus physocalyx* Fischer
- *Astragalus psedopurpureus* Gusul.
- *Astragalus setosulus* Gontsch.
- *Astragalus tanaiticus* C. Koch.
- *Astragalus tremolsianus* Pau
- *Astragalus verrucosus* Moris
- *Cytisus aeolicus* Guss. ex Lindl.
- *Genista dorycnifolia* Font Quer
- *Genista holopetala* (Fleischm. ex Koch) Baldacci
- *Genista tetragona* Bess.
- *Glycyrrhiza iconica* Hub. Mor.
- *Hedysarum razoumovianum* Fisch. et Helm.
- *Ononis maweana* Ball
- *Oxytropis deflexa* (Pallas) DC. subsp. *norvegica* Nordh.
- *Sphaerophysa kotschyana* Boiss.
- *Thermopsis turcica* Kit Tan, Vural & Küçüködü
- *Trifolium banaticum* (Heuffel) Majovsky
- *Trifolium pachycalyx* Zoh.
- *Trifolium saxatile* All.
- *Trigonella arenicola* Hub. Mor.
- *Trigonella halophila* Boiss.

- *Trigonella polycarpa* Boiss. & Heldr.

- *Vicia bifoliolata* J.D.Rodriguez

Lentibulariaceae

- *Pinguicula crystallina* Sibth. & Sm.

- *Pinguicula nevadensis* (Lindb.) Casper

Liliaceae

- *Allium grosii* Font Quer

- *Allium regelianum* A. Beck.

- *Allium vuralii* Kit Tan

- *Androcymbium europaeum* (Lange) K.Richter

- *Androcymbium rechingeri* Greuter

- *Asparagus lycaonicus* Davis

- *Asphodelus bento-rainhae* Pinto da Silva

- *Chionodoxa lochiai* Meikle

- *Chionodoxa luciliae* Boiss.

- *Colchicum arenarium* Waldst. & Kit.

- *Colchicum corsicum* Baker

- *Colchicum cousturieri* Greuter

- *Colchicum davidovii* Stef.

- *Colchicum fominii* Bordz.

- *Colchicum micranthum* Boiss.

- *Fritillaria conica* Boiss.

- *Fritillaria drenovskii* Degen & Stoy.

- *Fritillaria epirotica* Turrill ex Rix

- *Fritillaria euboeica* (Rix Doerfler) Rix

- *Fritillaria graeca* Boiss.

- *Fritillaria gussichiae* (Degen & Doerfler) Rix

- *Fritillaria montana* Hoppe.

- *Fritillaria obliqua* Ker-Gawl.

- *Fritillaria rhodocanakis* Orph. ex Baker

- *Fritillaria tuntasia* Heldr. ex Halacsy

- *Lilium jankae* A. Kerner

- *Lilium rhodopaeum* Delip.

- *Muscari gussonei* (Parl.) Tod.

- *Ornithogalum reverchonii* Lange

- *Scilla morrisii* Meikle

- *Scilla odorata* Link

- *Tulipa cypria* Stapf

- *Tulipa goulimya* Sealy & Turrill

- *Tulipa hungarica* Borbas

- *Tulipa praecox* Ten.

- *Tulipa sprengeri* Baker

Linaceae

- *Linum dolomiticum* Borbas

Lythraceae

- *Lythrum flexuosum* Lag.

- *Lythrum thesioides* M.Bieb.

Malvaceae

- *Kosteletzkya pentacarpos* (L.) Ledeb.

Najadaceae

- *Caulinia tenuissima* (A. br. ex Magnus) Tzvel.

- *Najas flexilis* (Willd.) Rostk. & W.L.Schmidt

- *Najas tenuissima* (A.Braun) Magnus

Oleaceae

- *Syringa josikaea* Jacq. fil.

Orchidaceae

- *Cephalanthera cucullata* Boiss. & Heldr.

- *Comperia comperiana* (Steven) Aschers. & Graebner

- *Cypripedium calceolus* L.

- *Dactylorhiza chuhensis* Renz & Taub.

- *Himantoglossum caprinum* (Bieb.) C. Koch.

- *Liparis loeselii* (L.) Rich.

- *Ophrys argolica* Fleischm.

- *Ophrys isaura* Renz & Taub.

- *Ophrys kotschyi* Fleischm. & Soo

- *Ophrys lunulata* Parl.

- *Ophrys lycia* Renz & Taub.

- *Ophrys oestrifera* Bieb.

- *Ophrys taurica* (Agg.) Nevski.

- *Orchis provincialis* Balb.

- *Orchis punctulata* Stev. ex Lindl.

- *Platanthera obtusata* (Pursh) Lindl. subsp.

- *oligantha* (Turcz.) Hulten

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

- *Steveniella satyrioides* (Stev.) Schlechter.

Paeoniaceae

- *Paeonia cambessedesii* (Willk.) Willk.

- *Paeonia clusii* F.C.Stern subsp. *rhodia* (Stearn)

- Tzanoudakis
- *Paeonia officinalis* L. subsp. *banatica* (Rochel) Soo
- *Paeonia parnassica* Tzanoudakis
- *Paeonia tenuifolia* L.

Palmae

- *Phoenix theophrasti* Greuter

Papaveraceae

- *Papaver lapponicum* (Tolm.) Nordh.
- *Rupicapnos africana* (Lam.) Pomel

Plumbaginaceae

- *Armeria pseudarmeria* (Murray) Mansfeld
- *Armeria rouyana* Daveau
- *Armeria soleirolii* (Duby) Godron
- *Armeria velutina* Welv. ex Boiss. & Reuter
- *Limonium anatolicum* Hedge
- *Limonium tamaricoides* Bokhari

Polemoniaceae

- *Polemonium boreale* Adams

Polygonaceae

- *Polygonum praelongum* Coode & Cullen
- *Rheum rhaponticum* L.
- *Rumex rupestris* Le Gall

Potamogetonaceae

- *Cymodocea nodosa* (Med.)
- *Posidonia oceanica* (Med.)
- *Zostera marina* (Med.)

Primulaceae

- *Androsace cylindrica* DC.
- *Androsace mathildae* Levier
- *Androsace pyrenaica* Lam.
- *Cyclamen coum* Mill.
- *Cyclamen kuznetzovii* Kotov et Czernova.
- *Cyclamen mirabile* Hildebr.
- *Lysimachia minoricensis* J.D.Rodriguez
- *Primula apennina* Widmer
- *Primula deorum* Velen.
- *Primula frondosa* Janka
- *Primula egaliksensis* Wormsk.
- *Primula glaucescens* Moretti

- *Primula palinuri* Petagna
- *Primula spectabilis* Tratt.
- *Primula wulfeniana* Scot subsp. *baumgarteniana* (Degen & Moesz) Ludi

- *Soldanella villosa* Darracq

Ranunculaceae

- *Aconitum corsicum* Gayer
 - *Aconitum flerovii* Steinb.
 - *Aconitum lasiocarpum* (Reichenb.) Gáyér
 - *Adonis cyllenea* Boiss., Heldr. & Orph.
 - *Adonis distorta* Ten.
 - *Anemone uralense* Nevski.
 - *Aquilegia bertolonii* Schott
 - *Aquilegia kitaibelii* Schott
 - *Aquilegia ottonis* subsp. *taygetea* (Orph.) Strid
 - *Aquilegia pyrenaica* DC. subsp. *cazorlensis* (Heywood) Galiano & Rivas Martinez (*Aquilegia cazorlensis* Heywood)
 - *Consolida samia* P.H.Davis
 - *Delphinium caseyi* B.L.Burt
 - *Pulsatilla grandis* Wend. (*Pulsatilla halleri* (All.) Willd. subsp. *grandis* (Wend.) Meikle
 - *Pulsatilla patens* (L.) Miller
 - *Pulsatilla slavica* G. Reuss
 - *Ranunculus fontanus* C. Presl
 - *Ranunculus kykkoensis* Meikle
 - *Ranunculus weyleri* Mares
- #### Resedaceae
- *Reseda decursiva* Forssk. Gibraltar
- #### Rosaceae
- *Crataegus dikmensis* Pojark
 - *Geum bulgaricum* Panc.
 - *Potentilla delphinensis* Gren. & Godron
 - *Potentilla emilii-poppii* E. I. Nayardy
 - *Potentilla silesiaca* Uechtr.
 - *Pyrus anatolica* Browicz
- #### Rubiaceae
- *Galium cracoviense* Ehrend.
 - *Galium globuliferum* Hub.-Mor. & Reese
 - *Galium litorale* Guss.

- *Galium moldavicum* (Dobrescu) Franco
- *Galium rhodopeum* Velen.
- *Galium viridiflorum* Boiss. & Reuter

Santalaceae

- *Thesium ebracteatum* Hayne

Saxifragaceae

- *Saxifraga berica* (Beguinot) D.A. Webb
- *Saxifraga cintrana* Kuzinsky ex Willk.
- *Saxifraga florulenta* Moretti
- *Saxifraga hirculus* L.
- *Saxifraga presolanensis* Engl.
- *Saxifraga tombeanensis* Boiss. ex Engl.
- *Saxifraga valdensis* DC.
- *Saxifraga vayredana* Luizet

Scrophulariaceae

- *Antirrhinum charidemi* Lange
- *Euphrasia marchesettii* Wettst. ex Marches.
- *Linaria algarviana* Chav.
- *Linaria ficalhoana* Rouy
- *Linaria flava* (Poir.) Desf.
- *Linaria hellenica* Turrill
- *Linaria loeselii* Schweigger
- *Linaria ricardoi* Cout.
- *Linaria tursica* B. Valdes & Cabezudo
- *Lindernia procumbens* (Krocker) Philcox
- *Odontites granatensis* Boiss.
- *Pedicularis sudetica* Willd.
- *Verbascum afyonense* Hub.-Mor.
- *Verbascum basivelatum* Hub.-Mor.
- *Verbascum cylleneum* (Boiss. & Heldr.) Kuntze
- *Verbascum degenii* Hal.
- *Verbascum purpureum* (Janka) Huber-Morath
- *Verbascum stepporum* Hub.-Mor.
- *Veronica euxina* Turrill
- *Veronica oetaea* L.-A. Gustavsson
- *Veronica turrilliana* Stoj. et Stef.

Selaginaceae

- *Globularia stygia* Orph. ex Boiss.

Solanaceae

- *Atropa baetica* Willk.
- *Mandragora officinarum* L.

Thymelaeaceae

- *Daphne arbuscula* Celak.
- *Daphne petraea* Leybold
- *Daphne rodriguezii* Texidor
- *Thymelea broterana* Coutinho

Trapaceae

- *Trapa natans* L.

Typhaceae

- *Typha minima* Funk
- *Typha shuttleworthii* Koch & Sonder

Ulmaceae

- *Zelkova abelicea* (Lam.) Boiss.

Umbelliferae

- *Angelica heterocarpa* Lloyd
- *Angelica palustris* (Besser) Hoffman
- *Apium bermejoi* Llorens
- *Apium repens* (Jacq.) Lag.
- *Athamanta cortiana* Ferrarini
- *Bupleurum capillare* Boiss. & Heldr.
- *Bupleurum dianthifolium* Guss.
- *Bupleurum kakiskalae* Greuter
- *Eryngium alpinum* L.
- *Eryngium viviparum* Gay
- *Ferula halophila* H. Pesmen
- *Ferula orientalis* L.
- *Ferula sadleriana* Ledebour
- *Laserpitium longiradium* Boiss.
- *Naufraga balearica* Constance & Cannon
- *Oenanthe conioides* Lange
- *Petagnia saniculifolia* Guss.
- *Rouya polygama* (Desf.) Coincy
- *Seseli intricatum* Boiss.
- *Thorella verticillatundata* (Thore) Briq.

Valeianaceae

- *Centranthus kellererii* (Stoj. Stef. et Georg.) Stoj. et Stef.
- *Centranthus trinervis* (Viv.) Beguinot

Violaceae

- *Viola athois* W.Becker
- *Viola cazorensis* Gandoger
- *Viola cryana* Gillot
- *Viola delphinantha* Boiss.
- *Viola hispida* Lam.
- *Viola jaubertiana* Mares & Vigineix

III. - Bryophyta

A. - Bryopsida: anthocerotae

Anthocerotaceae

- *Notothylas orbicularis* (Schwein.) Sull.

B. - Bryopsida: hepaticae

Aytoniaceae

- *Mannia triandra* (Scop.) Grolle

Cephaloziaceae

- *Cephalozia macounii* (Aust.) Aust.

Codoniaceae

- *Petalophyllum ralfsii* (Wils.) Nees et Gott. ex Lehm.

Frullaniaceae

- *Frullania parvistipula* Steph.

Gymnomitriaceae

- *Marsupella profunda* Lindb.

Jungermanniaceae

- *Jungermannia handelii* (Schiffn.) Amak.

Ricciaceae

- *Riccia breidleri* Jur. ex Steph.

Riellaceae

- *Riella helicophylla* (Mont.) Hook.

Scapaniaceae

- *Scapania massalongi* (K.Muell.) K.Muell.

C. - Bryopsida: musci

Amblystegiaceae

- *Drepanocladus vernicosus* (Mitt.) Warnst.

Bruchiaceae

- *Bruchia vogesiaca* Schwaegr.

Buxbaumiaceae

- *Buxbaumia viridis* (Moug. ex Lam. & DC.)

- Brid. ex Moug. & Nestl.

Dicranaceae

- *Atractyllocarpus alpinus* (Schimp. ex Milde) Lindb.
- *Cynodontium suecicum* (H.Arn. & C.Jens.) I.Hag.
- *Dicranum viride* (Sull. & Lesq.) Lindb.

Fontinalaceae

- *Dichelyma capillaceum* (With.) Myr.

Funariaceae

- *Pyramidula tetragona* (Brid.) Brid.

Hookeriaceae

- *Distichophyllum carinatum* Dix. & Nich.

Meesiaceae

- *Meesia longiseta* Hedw.

Orthotrichaceae

- *Orthotrichum rogeri* Brid.

Sphagnaceae

- *Sphagnum pylaisii* Brid.

Splachnaceae

- *Tayloria rudolphiana* (Garov.) B.S.G.

IV. - Algae

Chlorophyta

- *Caulerpa ollivieri* (Med.)

Fucophyceae

- *Cystoseira amentacea* (inclus var. *stricta* et var. *spicata*) (Med.)

- *Cystoseira mediterranea* (Med.)

- *Cystoseira sedoides* (Med.)

- *Cystoseira spinosa* (inclus *C. adriatica*) (Med.)

- *Cystoseira zosteroides* (Med.)

- *Laminaria rodriguezii* (Med.)

- *Laminaria ochroleuca* (Med.)

Rhodophyta

- *Goniolithon byssoides* (Med.)

- *Lithophyllum lichenoides* (Med.)

- *Ptilophora mediterranea* (Med.)

- *Schimmelmannia schousboei* = *S. ornata* (Med.)

Endemic species of the macaronesian region

I. - Pteridophyta

Aspleniaceae

- *Asplenium azoricum* Lovis

Dryopteridaceae

- *Polystichum drepanum* (Swartz) C.Presl

Hymenophyllaceae

- *Hymenophyllum maderensis*

Isoetaceae

- *Isoetes azorica* Durieu ex Milde

Lycopodiaceae

- *Diphasium madeirense* (Wilee.) Rothm.

Marsileaceae

- *Marsilea azorica* Launert

II. - Gymnospermae

Cupresaceae

- *Juniperus brevifolia* (Seub.) Antoine

III. - Angiospermae

Agavaceae

- *Dracaena draco* (L.) L.

Asclepiadaceae

- *Caralluma burchardii* N.E.Brown
- *Ceropegia chrysantha* Svent.

Berberidaceae

- *Berberis maderensis* Lowe

Boraginaceae

- *Echium gentianoides* Webb ex Coincy
- *Echium handiense* Svent.
- *Echium pininana* Webb et Berth.
- *Myosotis azorica* H.C.Watson
- *Myosotis maritima* Hochst. ex Seub.

Campanulaceae

- *Azorina vidalii* (H.C.Watson) Feer
- *Musschia aurea* (L.f.) DC.
- *Musschia wollastonii* Lowe

Caprifoliaceae

- *Sambucus palmensis* Link

Caryophyllaceae

- *Cerastium azoricum* Hochst.
- *Silene nocteolens* Webb et Berth

Cistaceae

- *Cistus chinamadensis* Bañares & Romero
- *Helianthemum bystropogophyllum* Svent.

- *Helianthemum teneriffae* Cosson

Compositae

- *Andryala crithmifolia* Ait.
- *Argyranthemum lidii* Humphries
- *Argyranthemum pinnatifidum* (L.F.) Lowe subsp. *succulentum* (Lowe) Humphries
- *Argyranthemum winterii* (Svent.) Humphries
- *Atractylis arbuscula* Svent. & Michaelis
- *Atractylis preauxiana* Schultz Bip.
- *Bellis azorica* Hochst. ex Seub.
- *Calendula maderensis* Dc.
- *Cheirolophus duranii* (Burchard) Holub
- *Cheirolophus falsisectus* Montelongo et Moraleda
- *Cheirolophus ghomerythus* (Svent.) Holub
- *Cheirolophus junonianus* (Svent.) Holub
- *Cheirolophus metlesicsii* Montelongo
- *Cheirolophus santosabreui* Santos
- *Cheirolophus satarataensis* (Svent.) Holub
- *Cheirolophus tagananensis* (Svent.) Holub
- *Helichrysum monogynum* B.L. Burth. & Sunding
- *Helichrysum gossypinum* Webb
- *Hypochoeris oligocephala* (Svent. & D.Bramwell) Lack
- *Lactuca watsoniana* Trelease
- *Leotodon filii* (Hochst. ex Seub.) Paiva & Orm.
- *Onopordum carduelinum* Bolle
- *Onopordum nogalesii* Svent.
- *Pericallis hadrosomus* Svent.
- *Pericallis malvifolia* (L'Hér) B. Nord.
- *Phagnalon benetii* Lowe
- *Senecio hermosae* Pitard
- *Sonchus gandogeri* Pitard
- *Stemmactanthia cynaroides*
- *Sventenia bupleuroides* Font Quer
- *Tanacetum o'shanahanii* Febles, Marrero et Suárez
- *Tanacetum ptarmiciflorum* (Webb) Schultz Bip.
- *Tolpis glabrescens* Kämmer

Convolvulaceae

- Convolvulus caput-medusae Lowe
- Convolvulus lopez-socasi Svent.
- Convolvulus massonii A.Dietr.
- Pharbitis preauxii Webb

Crassulaceae

- Aeonium balsamiferum Webb et Berth.
- Aeonium gomeraense Praeger
- Aeonium saundersii Bolle
- Aichrysum dumosum (Lowe) Praeg.
- Monanthes wildpretii Bañares & Scholz

Cruciferae

- Crambe arborea Webb ex Christ
- Crambe laevigata DC. ex Christ
- Crambe scoparia Svent.
- Crambe sventenii B.Petters. ex Bramw. & Sunding
- Parolinia schizogynoides Svent.
- Sinapidendron sempervivifolium Mnzs.

Cyperaceae

- Carex malato-belizii Raymond

Dipsacaceae

- Scabiosa nitens Roem. & Schult.

Ericaceae

- Daboecia azorica Tutin & Warb.
- Erica scoparia L. subsp. azorica (Hochst.) D.A.Webb

Euphorbiaceae

- Euphorbia bourgaeana Gay ex Boiss.
- Euphorbia handiensis Burchard
- Euphorbia lambii Svent.
- Euphorbia stygiana H.C.Watson

Geraniaceae

- Geranium maderense Yeo

Gramineae

- Agrostis gracilaxa Franco
- Deschampsia maderensis (Hack. et Bornm.) Buschm.
- Phalaris maderensis (Mnzs.) Mnzs.

Labiatae

- Micromeria glomerata P. Pérez
- Micromeria leucantha Svent. ex Pérez

- Salvia herbanica Santos et Fernández
- Sideritis cystosiphon Svent.
- Sideritis discolor (Webb ex de Noe) Bolle
- Sideritis infernalis Bolle
- Sideritis marmorea Bolle.
- Teucrium abutiloides l'Her.

Leguminosae

- Adenocarpus ombriosus Ceb. & Ort.
- Anthyllis lemmaniana Lowe
- Anagyris latifolia Brouss. ex Willd.
- Cicer canariensis Santos & Gweil
- Dorycnium spectabile Webb & Berthel.
- Genista benehoavensis (Bolle ex Svent.) Del Arco
- Lotus azoricus P.W.Ball
- Lotus callis-viridis D.Bramwell & D.H.Davis
- Lotus eremiticus Santos
- Lotus kunkelii (E.Chueca) D.Bramwell et al.
- Lotus maculatus Breitfeld
- Lotus pyranthus P. Perez
- Teline nervosa (Esteve) A. Hansen et Sund.
- Teline rosmarinifolia Webb & Berthel.
- Teline salsoloides Arco & Acebes.
- Vicia dennesiana H.C.Watson

Liliaceae

- Androcymbium psammophilum Svent.
- Smilax divaricata Sol. ex Wats.

Myricaceae

- Myrica rivas-martinezii Santos.

Oleaceae

- Jasminum azoricum L.
- Picconia azorica (Tutin) Knbol.

Orchidaceae

- Barlia metlesicsiaca Teschner
- Goodyera macrophylla Lowe
- Orchis scopulorum Summerh.

Pittosporaceae

- Pittosporum coriaceum Dryander ex Aiton

Plantaginaceae

- Plantago famarae Svent.

- *Plantago malato-belizii* Lawalree

Plumbaginaceae

- *Limonium arborescens* (Brouss.) Kuntze
- *Limonium dendroides* Svent.
- *Limonium fruticans* (Webb) O. Kuntze
- *Limonium perezii* Stapf
- *Limonium preauxii* (Webb et Berth.) O. Kuntze
- *Limonium spectabile* (Svent.) Kunkel & Sunding
- *Limonium sventenii* Santos & Fernandez Galvan

Polygonaceae

- *Rumex azoricus* Rech.

Rhamnaceae

- *Frangula azorica* Tutin

Rosaceae

- *Bencomia brachystachya* Svent.
- *Bencomia exstipulata* Svent.
- *Bencomia sphaerocarpa* Svent.
- *Chamaemeles coriacea* Lindl.
- *Dendriopoterium pulidoi* Svent.
- *Marcetella maderensis* (Bornm.) Svent.
- *Prunus lusitanica* subsp. *azorica* (Moui.) Franco

Rutaceae

- *Ruta microcarpa* Svent.

Santalaceae

- *Kunkeliella canariensis* Stearn
- *Kunkeliella psilotoclada* (Svent.) Stearn
- *Kunkeliella subsucculenta* Kammer

Sapotaceae

- *Sideroxylon marmulano* Banks ex Lowe

Saxifragaceae

- *Saxifraga portosanctana* Boiss.

Scrophulariaceae

- *Euphrasia azorica* H.C. Watson
- *Euphrasia grandiflora* Hochst.
- *Isoplexis chalcantha* Svent. & O'Shanahan
- *Isoplexis isabelliana* (Webb & Berthel.) Masferrer

Selaginaceae

- *Globularia ascanii* D. Bramwell & Kunkel
- *Globularia sarcophylla* Svent.

Solanaceae

- *Solanum lidii* Sunding

Umbelliferae

- *Ammi trifoliatum* (Wats.) Trel.
- *Bunium brevifolium* Lowe
- *Bupleurum handiense* (Bolle) Kunkel
- *Chaerophyllum azoricum* Trel.
- *Monizia edulis* Lowe
- *Ferula latipinna* Santos
- *Sanicula azorica* Gunthn. ex Seub.

Violaceae

- *Viola paradoxa* Lowe

IV. - Bryophyta

Bryopsida: musci

Echinodiaceae

- *Echinodium spinosum* (Mitt.) Jur.

Pottiaceae

- *Bryoerythrophyllum machadoanum* (Sergio) M.Hill

Thamniaceae

- *Thamnobryum fernandesii* Sergio

Appendix II

Strictly protected fauna species

(Med.) = in the Mediterranean

I. - Vertebrates

A. - Mammals

1. Insectivora

- Erinaceidae

- * *Atelerix algirus* (*Erinaceus algirus*)

- Soricidae

- * *Crocidura suaveolens ariadne* (*Crocidura ariadne*)

- * *Crocidura russula cypria* (*Crocidura cypria*)

Crocidura canariensis

- Talpidae

Desmana moschata

Galemys pyrenaicus (*Desmana pyrenaica*)

2. Microchiroptera

- all species except *Pipistrellus pipistrellus*

3. Rodentia

- Sciuridae

Pteromys volans (*Sciuropterus russicus*)

Sciurus anomalus

* *Spermophilus citellus* (*Citellus citellus*)

Spermophilus suslicus (*Citellus suslicus*)

- Muridae

Cricetus cricetus

Mesocricetus newtoni

* *Microtus bavaricus* (*Pitymys bavaricus*)

Microtus cabreræ

Microtus tatricus

Spalax graecus

- Gliridae

Dryomys laniger

Myomimus roachi (*Myomimus bulgaricus*)

- Zapodidae

Sicista betulina

Sicista subtilis

- Hystricidae

Hystrix cristata

4. Carnivora

- Canidae

Alopex lagopus

Canis lupus

Cuon alpinus

- Ursidae

all species

- Mustelidae

Gulo gulo

Mustela eversmannii

Mustela lutreola (*Lutreola lutreola*)

Lutra lutra

Vormela peregusna

- Felidae

Caracal caracal

Felis silvestris

* *Lynx pardinus* (*Lynx pardina*)

Panthera pardus

Panthera tigris

5. Pinnipedia

- Odobenidae

Odobenus rosmarus

- Phocidae

Monachus monachus

Phoca hispida saimensis

Phoca hispida ladogensis

6. Artiodactyla

- Cervidae

Cervus elaphus corsicanus

- Bovidae

Capra aegagrus

Capra pyrenaica pyrenaica

Gazella subgutturosa

Gazella dorcas

Ovibos moschatus

Rupicapra rupicapra ornata

7. Cetacea

- Monodontidae

Monodon monoceros

- Delphinidae

Delphinus delphis

Globicephala macrorhynchus

Globicephala melas

Grampus griseus

Lagenorhynchus acutus

Lagenorhynchus albirostris

Orcinus orca

Pseudorca crassidens

Steno bredanensis

Stenella coeruleoalba *Stenella frontalis*

Tursiops truncatus (*tursio*)

- Phocaenidae

- *Phocoena phocoena*

- *Physeteridae*

Kogia breviceps
Kogia simus (Med.)
Physeter macrocephalus (Med.)
- Ziphiidae
Hyperoodon rostratus
Mesoplodon bidens
Mesoplodon densirostris (Med.)
Mesoplodon mirus
Ziphius cavirostris
- Balaenopteridae
Bal noptera acutorostrata (Med.)
Bal noptera borealis (Med.)
Balaenoptera edeni
Balaenoptera physalus
Megaptera novaeangliae (longimana, nodosa)
Sibbaldus (Balaenoptera) musculus
- Balaenidae
Balaena mysticetus
Eubalaena glacialis

B. - Birds

1. Gaviiformes

- Gaviidae
all species

2. Podicipediformes

- Podicipedidae
Podiceps auritus
Podiceps grisegena
Podiceps nigricollis (caspicus)
Podiceps ruficollis

3. Procellariiformes

- Hydrobatidae
all species
- Procellariidae
Bulweria bulwerii
Procellaria diomedea
Pterodroma madeira
Pterodroma feae

Puffinus assimilis baroli
Puffinus puffinus
Puffinus yelkouan

4. Pelecaniformes

- Phalacrocoracidae
Phalacrocorax aristotelis (Med.)
Phalacrocorax pygmaeus
- Pelecanidae
all species

5. Ciconiiformes

- Ardeidae
Ardea purpurea
Ardeola ralloides
Botaurus stellaris
Bulbucus (Ardeola) ibis
Casmerodius albus (Egretta alba)
Egretta garzetta
Ixobrychus minutus
Nycticorax nycticorax
- Ciconiidae
all species
- Threskiornithidae
all species
- Phoenicopteridae
Phoenicopterus ruber

6. Anseriformes

- Anatidae
Anser erythropus
Branta leucopsis
Branta ruficollis
Bucephala islandica
Cygnus cygnus
Cygnus bewickii (columbianus)
Histrionicus histrionicus
Marmaronetta (Anas) angustirostris
Mergus albellus
Oxyura leucocephala
Polysticta stelleri

Somateria spectabilis

Tadorna tadorna

Tadorna ferruginea

7. Falconiformes

all species

8. Galliformes

- Tetraonidae

Tetrao urogallus cantabricus

9. Gruiformes

- Turnicidae

Turnix sylvatica

- Gruidae

all species

- Rallidae

Crex crex

Fulica cristata

Porphyrio porphyrio

Porzana porzana

Porzana pusilla

Porzana parva

- Otidae

all species

10. Charadriiformes

- Charadriidae

Arenaria interpres

Charadrius alexandrinus

Charadrius dubius

Charadrius hiaticula

Charadrius leschenaulti

Eudromias morinellus

Hoplopterus spinosus

- Scolopacidae

Calidris alba

Calidris alpina

Calidris ferruginea

Calidris maritima

Calidris minuta

Calidris temminckii

Gallinago media

Limicola falcinellus

Numenius tenuirostris

Tringa cinerea

Tringa glareola

Tringa hypoleucos

Tringa ochropus

Tringa stagnatilis

- Recurvirostridae

all species

- Phalaropodidae

all species

- Burhinidae

Burhinus oedicephalus

- Glareolidae

all species

- Laridae

Chlidonias hybrida

Chlidonias leucopterus

Chlidonias niger

Gelochelidon nilotica

Hydroprogne caspia

Larus audouinii

Larus genei

Larus melanocephalus

Larus minutus

Larus (Xenia) sabini

Pagophila eburnea

Sterna albifrons

Sterna dougallii

Sterna hirundo

Sterna paradisaea (macrura)

Sterna sandvicensis

Columbiformes

- Pteroclididae

all species

- Columbidae

- Columba bollii

- Columba junoniae

11. Cuculiformes

- Cuculidae

Clamator glandarius

12. Strigiformes

all species

13. Caprimulgiformes

- Caprimulgidae

all species

14. Apodiformes

- Apodidae

Apus caffer

Apus melba

Apus pallidus

Apus unicolor

15. Coraciiformes

- Alcedinidae

Alcedo atthis

Ceryle rudis

Halcyon smyrnensis

- Meropidae

Merops apiaster

- Coraciidae

Coracias garrulus

- Upopidae

Upopa epops

16. Piciformes

all species

17. Passeriformes

- Alaudidae

Calandrella brachydactyla

Calandrella rufescens

Chersophilus duponti

Eremophila alpestris

Galerida theklae

Melanocorypha bimaculata

Melanocorypha calandra

Melanocorypha leucoptera

Melanocorypha yeltoniensis

- Hirundinidae

all species

- Motacillidae

all species

- Pycnonotidae

Pycnonotus barbatus

- Laniidae

all species

- Bombycillidae

Bombycilla garrulus

- Cinclidae

Cinclus cinclus

- Troglodytidae

Troglodytes troglodytes

- Prunellidae

all species

- Muscicapidae

-- Turdinae

Cercotrichas galactotes

Erithacus rubecula

Irania gutturalis

Luscinia luscinia

Luscinia megarhynchos

Luscinia (Cyanosylvia) svecica

Monticola saxatilis

Monticola solitarius

Oenanthe finischii

Oenanthe hispanica

Oenanthe isabellina

Oenanthe leucura

Oenanthe oenanthe

Oenanthe pleschanka (leucomela)

Phoenicurus ochruros

Phoenicurus phoenicurus

Saxicola dacotiae

Saxicola rubetra

Saxicola torquata
Tarsiger cyanurus
Turdus torquatus
-- Sylviinae
all species
-- Regulinae
all species
-- Muscicapinae
all species
-- Timaliinae
Panurus biarmicus
- Paridae
all species
- Sittidae
all species
- Certhiidae
all species
- Emberizidae
Calcarius lapponicus
Emberiza aureola
Emberiza caesia
Emberiza cia
Emberiza cineracea
Emberiza cirrus
Emberiza citrinella
Emberiza leucocephala
Emberiza melanocephala
Emberiza pusilla
Emberiza rustica
Emberiza schoeniclus
Plectrophenax nivalis
- Fringillidae
Carduelis cannabina
Carduelis carduelis
Carduelis chloris
Carduelis flammea
Carduelis flavirostris
Carduelis hornemanni
Carduelis spinus

Carpodacus erythrinus
Coccothraustes coccothraustes
Fringilla teydea
Loxia curvirostra
Loxia leucoptera
Loxia pityopsittacus
Loxia scotica
Pinicola enucleator
Rhodopechys githaginea
Serinus citrinella
Serinus pusillus
Serinus serinus
- Ploceidae
Montrifringilla nivalis
Petronia petronia
- Sturnidae
Sturnus roseus
Sturnus unicolor
- Oriolidae
Oriolus oriolus
- Corvidae
Cyanopica cyanus
Nucifraga caryocatactes
Perisoreus infaustus
Pyrrhocorax graculus
Pyrrhocorax pyrrhocorax

C. - Reptiles

1. Testudines

- Testudinidae
Testudo graeca
Testudo hermanni
Testudo marginata
- Emydidae
Emys orbicularis
* Mauremys caspica²
- Dermochelyidae
Dermochelys coriacea
- Cheloniidae

Caretta caretta
Chelonia mydas
Eretmochelys imbricata
Lepidochelys kempii
- Trionychidae
Rafetus euphraticus
Trionyx triunguis

2. Sauria

- Gekkonidae
Cyrtodactylus kotschyi
Tarentola angustimentalis
Tarentola boettgeri
Tarentola delalandii
Tarentola gomerensis
Phyllodactylus europaeus
- Agamidae
* Stellio stellio (Agama stellio)
- Chamaeleontidae
Chamaeleo chamaeleon
- Lacertidae
Algyroides fitzingeri
Algyroides marchi
Algyroides moreoticus
Algyroides nigropunctatus
* Archaeolacerta bedriagae (Lacerta bedriagae)
* Archaeolacerta monticola (Lacerta monticola)
Gallotia galloti
* Gallotia simonyi (Lacerta simonyi)
Gallotia stehlini
Lacerta agilis
Lacerta clarkorum
Lacerta dugesii
Lacerta graeca
Lacerta horvathi
Lacerta lepida
Lacerta parva
Lacerta princeps
Lacerta schreiberi

Lacerta trilineata
Lacerta viridis
Ophisops elegans
Podarcis erhardii
Podarcis filfolensis
Podarcis lilfordi
Podarcis melisellensis
Podarcis milensis
Podarcis muralis
Podarcis peloponnesiaca
Podarcis pityusensis
Podarcis sicula
Podarcis taurica
Podarcis tiliguerta
Podarcis wagneriana
- Anguidae
Ophisaurus apodus
- Scincidae
Ablepharus kitaibelii
Chalcides bedriagai
Chalcides ocellatus
Chalcides sexlineatus
* Chalcides simonyi (Chalcides occidentalis)
Chalcides viridianus
Ophiomorus punctatissimus

3. Ophidia

- Colubridae
Coluber cypriensis
Coluber gemonensis
Coluber hippocrepis
* Coluber jugularis³
* Coluber najadum⁴
Coluber viridiflavus
Coronella austriaca
Elaphe longissima
Elaphe quatuorlineata
Elaphe situla
Natrix megalcephala

Natrix tessellata

Telescopus fallax

- Viperidae

Vipera albizona

Vipera ammodytes

Vipera barani

Vipera kaznakovi

Vipera latasti

* Vipera lebetina⁵

Vipera pontica

Vipera ursinii

Vipera wagneri

Vipera xanthina

D. - Amphibians

1. Caudata

- Salamandridae

Chioglossa lusitanica

Euproctus asper

Euproctus montanus

Euproctus platycephalus

* Mertensiella luschani (Salamandra luschani)

* Salamandra atra⁶

Salamandrina terdigitata

Triturus carnifex

Triturus cristatus

Triturus dobrogicus

Triturus italicus

Triturus karelinii

Triturus montandoni

- Plethodontidae

* Speleomantes flavus (Hydromantes flavus)

* Speleomantes genei (Hydromantes genei)

* Speleomantes imperialis (Hydromantes imperialis)

* Speleomantes italicus (Hydromantes italicus)

* Speleomantes supramontis (Hydromantes supramontis)

- Proteidae

Proteus anguinus

2. Anura

- Discoglossidae

Alytes cisternasii

Alytes muletensislytes obstetricans

Bombina bombina

Bombina variegata

Discoglossus galganoi

Discoglossus jeanneae

Discoglossus montalentii

Discoglossus pictus

Discoglossus sardus

Neurergus crocatus

Neurergus strauchi

- Pelobatidae

Pelobates cultripes

Pelobates fuscus

Pelobates syriacus

Pelodytes caucasicus

- Bufonidae

Bufo calamita

Bufo viridis

- Hylidae

Hyla arborea

Hyla meridionalis

- Ranidae

Rana arvalis

Rana dalmatina

Rana holtzi

Rana iberica

Rana italica

Rana latastei

V. - Fish

1. Chondrichthyes

2. Pleurotremata

- Cetorhinidae

Cetorhinus maximus (Med.)

- Lamnidae

Carcharodon carcharias (Med.)

3. Osteichthyes

4. Petromyzoniformes

- Petromyzonidae

Lethenteron zanandrai (Med.)

5. Acipenseriformes

- Acipenseridae

Acipenser naccarii

Acipenser sturio

Huso huso (Med.)

6. Salmoniformes

- Umbridae

Umbra krameri

7. Cypriniformes

- Cyprinidae

Pomatoschistus canestrinii (Med.)

Pomatoschistus tortonesei (Med.)

8. Synentognathi

- Belonidae

Hippocampus hippocampus (Med.)

Hippocampus ramulosus (Med.)

9. Atheriniformes

- Cyprinodontidae

Aphanius fasciatus (Med.) Aphanius iberus (Med.)

Valencia hispanica

Valencia leutourneuxi

10. Perciformes

- Percidae

Zingel asper

11. Chimaeriformes

- Chimaeridae

Mobula mobular (Med.)

II. - Invertebrates

A. - Arthropods

1. Insecta

- Mantodea

Apteromantis aptera

- Odonata

Aeshna viridis

Brachythemis fuscopalliata

Calopteryx syriaca

Coenagrion freyi

Coenagrion mercuriale

Cordulegaster trinacriae

Gomphus graslinii

Leucorrhinia albifrons

Leucorrhinia caudalis

Leucorrhinia pectoralis

Lindenia tetraphylla

Macromia splendens

Ophiogomphus cecilia

Oxygastra curtisii

Stylurus (= Gomphus) flavipes

Symplocma braueri

- Orthoptera

Baetica ustulata

Saga pedo

- Coleoptera

Buprestis splendens

Carabus olympiae

Cerambyx cerdo

Cucujus cinnaberinus

Dytiscus latissimus

Graphoderus bilineatus

Osmoderma eremita

Rosalia alpina

- Lepidoptera

Apatura metis

Coenonympha hero

Coenonympha oedippus

Erebia calcaria

Erebia christi

Erebia sudetica

Eriogaster catax

Euphydryas (Eurodryas) aurinia

Fabriciana elisa
Hyles hippophaes
Hypodryas maturna
Lopinga achine
Lycaena dispar
Maculinea arion
Maculinea nausithous
Maculinea teleius
Melanargia arge
Papilio alexanor
Papilio hospiton
Parnassius apollo
Parnassius mnemosyne
Plebicula golgus
Polyommatus galloi
Polyommatus humedasae
Proserpinus prosperpina
Zerynthia polyxena

2. Arachnida

- Araneae
Macrothele calpeiana

3. Crustacea

- Decapoda
Ocypode cursor (Med.)
Pachyplasma giganteum (Med.)

B. - Molluscs

1. Gastropoda

- Dyotocardia
Gibbula nivosus (Med.)
Patella ferruginea (Med.)
Patella nigra (Med.)
- Monotocardia
Charonia rubicunda (= C. lampas = C. nodiferum) (Med.)
Charonia tritonis (= C. seguenziae) (Med.)
Dendropoma petricum (Med.)
Erosaria spurca (Med.)
Luria lurida (= Cypraea lurida) (Med.)

Mitra zonata (Med.)
Ranella olearia (Med.)
Schilderia achatidea (Med.)
Tonna galea (Med.)
Zonaria pyrum (Med.)
- Stylommatophora
Caseolus calculus
Caseolus commixta
Caseolus sphaerula
* Discus defloratus⁷
Discus guerinianus
Discula leacockiana
Discula tabellata
Discula testudinalis
Discula turricula
Elona quimperiana
Geomalacus maculosus
Geomitra moniziana
Helix subplicata
Leiostyla abbreviata
Leiostyla cassida
Leiostyla corneocostata
Leiostyla gibba
Leiostyla lamellosa

2. Bivalvia

- Unionoida
Margaritifera auricularia
- Mytiloida
Lithophaga lithophaga (Med.)
Pinna pernula (Med.)
- Myoida
Pholas dactylus (Med.)

C. - Echinoderms

- Asteridae
Asterina pancerii (Med.)
Ophidiaster ophidianus (Med.)
- Echinidae
Centrostephanus longispinus (Med.)

D. - Cnidarians

- Hydrozoa

Errina aspera (Med.)

- Anthozoa

Astroides calycularis (Med.)

Gerardia savaglia (Med.)

E. - Sponges

- Porifera

Aplysina cavernicola (Med.)

Asbestopluma hypogea (Med.)

Axinelle polyplodes (Med.)

Petrobiona massiliana (Med.)

Notes to Appendix II

On 3 December 1993 the Standing Committee to the Convention adopted the following Recommendation (No. 39 (1993)):

The Standing Committee of the Convention on the Conservation of European Wildlife and Natural Habitats, acting under the terms of Article 14 of the Convention Recommends that Contracting Parties take into consideration the following technical notes while implementing the Convention. Asterisks have been written where the name of the species has been changed to a more recent one, but the old name is kept in brackets. Footnotes have been used to update taxonomically some taxa.

Appendix III

Protected fauna species

(Med.) = in the Mediterranean

I. - Vertebrates

A. - Mammals

1. Insectivora

- Erinaceidae

Erinaceus europaeus

- Soricidae

all species

2. Microchiroptera

- Vespertilionidae

Pipistrellus pipistrellus

3. Duplicidentata

- Leporidae

Lepus capensis (europaeus)

Lepus timidus

4. Rodentia

- Sciuridae

Marmota marmota

Sciurus vulgaris

- Castoridae

Castor fiber

- Muridae

Microtus cabreræ

Microtus nivalis (lebrunii)

Microtus ratticeps (oeconomus)

- Gliridae

all species

5. Cetacea

All species not mentioned in Appendix II

6. Carnivora

- Mustelidae

Martes foina

Martes martes

Meles meles

Mustela erminea

Mustela nivalis

Putorius (*Mustela*) *putorius*

Vormela peregusna

- Viverridae

all species

- Felidae

Lynx lynx

7. Pinnipedia

- Phocidae

Cystophora cristata

Erignathus barbatus

Pagophilus groenlandicus (*Phoca groenlandica*)

Phoca vitulina

Pusa (Phoca) hispida

Halichoerus grypus

8. Artiodactyla

- Suidae

Sus scrofa meridionalis

- Cervidae

all species

- Bovidae

Bison bonasus

Capra ibex

Capra pyrenaica

Ovis aries (musimon, ammon)

Rupicapra rupicapra

B. - Birds

All species not included in Appendix II with the exception of:

- Columba palumbus

- Corvus corone (corone and/et cornix)

- Corvus frugilegus

- Corvus monedula

- Garrulus glandarius

- Larus argentatus

- Larus fuscus

- Larus marinus

- Passer domesticus

- Sturnus vulgaris

- Pica pica

C. - Reptiles

All species not included in Appendix II

D. - Amphibians

All species not included in Appendix II

E. - Fish

1. Chondrichthyes

Pleurotremata

- Lamnidae

Isurus oxyrinchus (Med.)

Lamna nasus (Med.)

- Carcharhinidae

Prionace glauca (Med.)

- Squatinidae

Squatina squatina (Med.)

Hypotremata

- Rajidae

Raja alba (Med.)

2. Osteichthyes

Petromyzoniformes

- Petromyzonidae

Eudontomyzon hellenicum

Eudontomyzon mariae

Eudontomyzon vladykovi

Lampetra fluviatilis

Lampetra planeri

Lampetra zanandreaei

Petromyzon marinus

Acipenseriformes

- Acipenseridae

Acipenser ruthenus

Acipenser stellatus

Huso huso

Clupeiformes

- Clupeidae

Alosa alosa

Alosa fallox

Alosa pontica

Salmoniformes

- Coregonidae

Coregonus

all species

- Thymallidae

Thymallus thymallus

- Salmonidae

Hucho hucho

Salmo salar The provisions for this appendix shall not apply to salmon in sea waters.

Cypriniformes

- Cyprinidae

Abramis ballerus	Pachychilon pictum
Abramis sapa	Pelecus cultratus
Abramis vimba	Phoxinellus adpersus
Alburnoides bipunctatus	Phoxinellus hispanicus
Alburnus albidus	Pseudophoxinus marathonicus
Aspius aspius	Pseudophoxinus stymphalicus
Barbus bocagei	Rhodeus sericeus
Barbus comiza	Rutilus alburnoides
Barbus meridionalis	Rutilus arcasii
Barbus microcephalus	Rutilus frisii
Barbus peloponesis	Rutilus graecus
Barbus plebejus	Rutilus lemmingii
Barbus sclateri	Rutilus macedonicus
Barbus steindachneri	Rutilus macrolepidotus
Chalcalburnus chalcoides	Rutilus pigus
Chondrostoma genei	Rutilus racovitzai
Chondrostoma kneri	Rutilus rubilio
Chondrostoma lemingi	- Cobitidae
Chondrostoma lusitanicum	Cobitis elongata
Chondrostoma nasus	Cobitis hassi
Chondrostoma phoxinus	Cobitis larvata
Chondrostoma polylepis	Cobitis paludicola
Chondrostoma soetta	Cobitis taenia
Chondrostoma toxostoma	Cobitis trichonica
Chondrostoma willkommi	Misgurnis fossilis
Gobio albipinnatus	Sabanejewia aurata
Gobio kessleri	Sabanejewia calderoni
Gobio uranoscopus	Siluriformes
Leucaspius delineatus	- Siluridae
Leucaspius stymphalicus	Siluris aristotelis
Leuciscus illyricus	Siluris glanis
Leuciscus lucumotis	Atheriniformes
Leuciscus microlepis	- Cyprinodontidae
Leuciscus polylepis	Aphanius fasciatus
Leuciscus pyrenaicus	Aphanius iberus
Leuciscus soufia	Gasterosteiformes
Leuciscus svallize	- Syngnathidae
Leuciscus turskyi	Syngnathus abaster
Leuciscus ukliva	Syngnathus nigrolineatus

- Gasterosteidae

Pungitius hellenicus

Tuntitius platygaster

Scorpaeniformes

- Cottidae

Cottus poecilopus

Myoxocephalus quadricornis

Perciformes

- Serranidae

Epinephelus marginatus (Med.)

- Sciaenidae

Sciána umbra (Med.)

Umbrina cirrosa (Med.)

- Percidae

Gymnocephalus baloni

Gymnocephalus schraetzer

Stizostedion volgense

Zingel streber

Zingel zingel

- Blenniidae

Blennius fluviatilis

- Gobiidae

Gobius fluviatilis

Gobius kessleri

Gobius nigricans

Gobius ophiocephalus

Gobius syrman

Gobius thressalus

Padogobius martensi

Padogobius panizzai

Pomatoschistus canestrini

Pomatoschistus microps

Pomatoschistus minutus

Proterorhinus marmoratus

Chimaeriformes

- Chimaeridae

Mobula mobular (Med.)

II. - Invertebrates

A. - Arthropods

1. Insecta

- Coleoptera

Lucanus cervus

- Lepidoptera

Graellsia isabellae

2. Crustacea

- Decapoda

Astacus astacus

Austropotamobius pallipes

Austropotamobius torrentium

Homarus gammarus (Med.)

Maja squinado (Med.)

Palinurus elephas (Med.)

Scyllarides latus (Med.)

Scyllarides pigmaeus (Med.)

Scyllarides arctus (Med.)

B. - Molluscs

1. Gastropoda

- Stylommatophora

Helix pomatia

2. Bivalvia

- Unionida

Margaritifera margaritifera

Microcondymaea compressa

Unio elongatulus

C. - Annelids

Hirudinea

- Arhynchobdellae

Hirudo medicinalis

D. - Echinoderms

- Echinoidea

Paracentrotus lividus (Med.)

E. - Cnidarians

- Hexacorallia

Antipathes sp. plur. (Med.)

- Alcionaria
- Corallium rubrum (Med.)

F. - Sponges

Porifera

- Hippospongia communis (Med.)
- Spongia agaricina (Med.)
- Spongia officinalis (Med.)
- Spongia zimocca (Med)

Appendix IV

Prohibited means and methods of killing, capture and other forms of exploitation

I. - Mammals

- Snares
- Live animals used as decoys which are blind or mutilated
- Tape recorders
- Electrical devices capable of killing and 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
- Explosives⁸
- Nets⁹
- Traps¹⁰
- Poison 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
- Aircraft
- Motor vehicles in motion

II. - Birds

- Snares¹¹
- Limes
- Hooks
- Live birds used as decoys which are blind or mutilated
- Tape recorders
- Electrical devices capable of killing and 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
- Traps
- Poison and poisoned or anaesthetic bait
- Semi-automatic or automatic weapons with a magazine capable of holding more than two rounds of ammunition
- Aircraft
- Motor vehicles in motion

III. - Freshwater fish

- Explosives
- Firearms
- Poisons
- Anaesthetics
- Electricity with alternating current
- Artificial light sources

IV. - Crayfish (Decapoda)

- Explosives
- Poisons

For a detailed list of reserves, see the official site of
1. the Council of Europe:
<http://www.coe.fr/tablconv/104t.htm>.

Mauremys caspica has been divided into two new species:
2. * Mauremys caspica.
 * Mauremys leprosa (Mauremys caspica leprosa).

Coluber jugularis has been divided into two new species:
3. * Coluber jugularis.
 * Coluber caspius (Coluber jugularis caspius).

Coluber najadum has been divided into two new species:
4. * Coluber najadum.

* *Coluber rubriceps* (*Coluber najadum rubriceps*).

Vipera lebetina has been divided into two new species:

5. * *Vipera lebetina*.

* *Vipera schweizeri* (*Vipera lebetina schweizeri*).

Salamandra atra has been divided into two new species:

6. * *Salamandra atra*.

* *Salamandra lanzai* (*Salamandra atra lanzai*).

7. *Discus defloratus*: This species is no longer recognised as a taxonomically valid species as it was described from a few specimens, now recognised as belonging to a different species of *Discus*.

8. Except for whale hunting.

9. If applied for large scale or non-selective capture or killing.

10. If applied for large scale or non-selective capture or killing.

11. Except *Lagopus* north of latitude 58° N.