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**T-PVS/PA (2012) 6**

**CONVENTION ON THE CONSERVATION OF EUROPEAN WILDLIFE  
AND NATURAL HABITATS**

**Group of Experts on  
Protected Areas and Ecological Networks**

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4<sup>th</sup> meeting  
18-19 September 2012  
Council of Europe, Strasbourg, France

**Extract from the list of decisions and adopted texts  
of the 31<sup>st</sup> meeting of the Standing Committee  
of the Bern Convention**

*Document prepared by  
the Directorate of Democratic Governance, Culture and Diversity*

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**Table of Contents**

<b>Point 5.5 Habitats.....</b>	<b>3</b>
<b>Appendix 1</b>	
Recommendation No. 157 (2011) of the Standing Committee, adopted on 2 December 2011, on the status of candidate Emerald sites and guidelines on the criteria for their nomination.....	6
<b>Appendix 2</b>	
Revised Appendix 1 of Resolution No. 6 (1998): Species requiring specific habitat conservation measures.....	9

[....]

## 5.5 Habitats

### a) Group of Experts on Protected Areas and Ecological Networks: Report

Relevant Document: T-PVS/PA (2011)13 - Report of the meeting of the Group of Experts on Protected Areas and Ecological Networks, Strasbourg, 19-20 September 2011

The Chair of the Group of Experts, Ms Maka Tsereteli, presented the outcomes of the 3<sup>rd</sup> meeting of the Group. Ms Tsereteli reported on the ongoing work on the setting-up of the Emerald Network in several countries and on the harmonisation of the Emerald and Natura 2000 Networks, as well as on the fruitful discussions held at the meeting on the future strategic development of the Pan-European Ecological Network (PEEN). She concluded that in 2012, the Group of Experts will again devote its work on planning the development of PEEN and on proposing an Action Plan in this relation.

**Decision:** The Committee took note of the report of the meeting of the Group of Experts.

### b) Setting-up of the Emerald Network: strategic development and steps forward

Relevant Documents: T-PVS/PA (2011) 5 - Joint programme funded by the European Union and implemented by the Council of Europe - State of progress as of 30 August 2011  
T-PVS/PA (2011) 12 – Draft Recommendation on the status of candidate Emerald sites and guidelines on the criteria for their adoption  
T-PVS/PA (2011) 14 – Draft Recommendation on the European 2020 targets on Protected Areas  
T-PVS/PA (2011) 6 – Draft List of proposed Emerald Candidate Sites (proposed ASCIs)  
T-PVS/PA (2011) 15 – Draft revised Annex I of Resolution No 6 (1998) of the Bern Convention  
T-PVS/PA (2011) 9 - The Future of Ecological Networks in Europe, Discussion Paper

The Secretariat informed that 2011 was the first year of implementation of the Emerald Network Calendar 2011-2020, adopted by the Standing Committee at its 30<sup>th</sup> meeting in 2010. Activities under Phase I of the process concerned seven countries from Central and Eastern Europe and the South Caucasus, targeted since 2009 by a 3-year Joint EU/CoE Programme. The final data delivery from all countries in terms of identification of their potential Emerald sites was expected by the end of November 2011 and the quality check will start in December 2011.

The follow-up to the current Joint Programme, focussing on the implementation of Phase II of the Emerald Network constitution process in the same countries, is currently under negotiation with the European Commission (EC). Possible funding could be allocated as from the second half of 2012, or in 2013 at latest. All countries targeted through the current project have expressed their commitment to participate in the follow-up project.

Furthermore, preparatory work to complete Phase I and initiate Phase II of the setting-up of the Emerald Network in Norway and Switzerland was completed in 2011. Technical seminars took place in both countries, aiming to solve questions linked to the countries' databases on potential Emerald sites. Follow-up activities for both countries are planned to take place in 2012, in compliance with the Emerald Network Calendar 2020.

The Secretariat further informed that in 2011 work on Phase II of the Emerald Network constitution process in 6 West Balkan countries started through a preparatory seminar (Paris, France, 26-27 January 2011) and the first biogeographical Emerald seminar (bar, Montenegro, 1-4 November 2011). The latter were organised in co-operation with the European Environment Agency (EEA) and its European Topic Centre on Biological Diversity (ETC/BD). The biogeographical seminar was of great importance as the first of a kind for the Emerald process in the region: the sufficiency of the proposed Emerald sites was examined species by species and habitat by habitat in each of the targeted countries. The evaluation showed the validity of the sites proposed so far, but still their insufficiency to ensure the long-term survival of some species and habitats. Therefore in 2012 national authorities are expected to work on the scientific conclusions from the seminars to prepare new databases and to identify additional sites.

The Secretariat further reported on co-operation with the EEA and the ETC/BD, which continued to strengthen in 2011, focussing in particular on the harmonisation of the Emerald and Natura 2000 Networks methodologies.

The harmonisation of the list of species included in Resolution No. 6 (1998) of the Bern Convention and Annexes I of the Birds Directive and II of the Habitats Directive was achieved. A similar exercise is planned for 2012 for the lists of habitats in Resolution No. 4 (1996) of the Bern Convention and Annex I of the Habitats Directive. The Secretariat stressed that the involvement of the ETC/BD, in particular in Phase II of the Emerald Network constitution process, has revealed to be vital for the Network implementation.

Regarding the assessment of the sufficiency of Emerald site proposals for threatened bird species, the Group of Experts, in coordination with the EC and the ETC/BD, decided to apply the assessment process built upon the Important Birds Areas, although taking a species by species approach.

The Secretariat and the consultant on the Emerald Network, Mr Marc Roekaerts, further presented the draft list of proposed sites to become official "candidate Emerald sites" after the possible nomination by the Standing Committee. In addition, a draft Recommendation on what the protection of the official "candidate Emerald sites" should entail was presented for possible adoption by the Committee.

The delegates from the European Commission and the Presidency of the EU expressed their appreciation for the important progress achieved on the harmonisation of both Network's methodologies and tools.

The delegate from Albania thanked the Secretariat and the ETC/BD for the successful organisation of the biogeographical seminar. She informed that its scientific conclusions will be used to stress the need for further work at national level on the identification of additional sites. She further informed that Albania has requested financial support from the EU - IPA grants, which would allow them to work both on Emerald and Natura 2000 Networks implementation.

The delegate from Serbia stressed the importance of progress towards the harmonisation of Emerald and Natura 2000 Networks and informed of some difficulties encountered for ensuring the financial support to the Emerald Network constitution process in her country.

The delegates from Morocco and Tunisia expressed their appreciation for the results so far achieved. More particularly, the delegate of Morocco requested the Committee to study the possibility of organising a follow-up Emerald Seminar in Morocco in 2012, in order to build on the outcomes of the pilot-project implemented there in 2009. Moreover, the delegate of Tunisia informed on the readiness and willingness of his country to get involved in the setting-up of the Emerald Network as from 2012.

**Decision:** The Committee appreciated the efforts of Contracting Parties and Observer States on the setting-up of the Emerald Network and welcomed the very positive outcomes of the first year of implementation of the Emerald Network Calendar (2011-2020). The successful initiation of Phase II of the Emerald Network constitution process in the West Balkans region was particularly appreciated by the Committee.

The Committee examined, amended and adopted the following documents:

- Recommendation No. 157 (2011) on the status of candidate Emerald sites and guidelines on the criteria for their nomination;
- Revised Annex I of Resolution 6 (1998) of the Standing Committee to the Bern Convention.

The Committee officially nominated as "Candidate Emerald sites" the sites listed in the "List of proposed Emerald Candidate Sites" [T-PVS/PA (2011) 6].

The Committee warmly thanked the European Environment Agency and its European Topic Centre on Biological Diversity for their continuous support and cooperation in the setting-up of the Emerald Network; it further encouraged the EEA and its ETC/BD to consider the inclusion of

biodiversity as a priority topic for its 2012-2013 work in the EU neighbourhood area, in the light of the progress made on Phase I of the Emerald Network constitution process in Central and Eastern Europe and the South Caucasus and the plans for follow-up activities on Phase II in the region.

The Committee further thanked the European Union for the financial support it provided for the setting-up of the Emerald Network in Central and Eastern Europe and the South Caucasus in the period 2009 - 2011, through a European Union/Council of Europe Joint Programme.

### c) European Diploma of Protected Areas

Relevant documents: T-PVS/DE (2011) 16 – Report of the Group of Specialists  
T-PVS/DE (2011) 17 – Adopted Resolutions  
T-PVS/DE (2011) 12 Revised - Future of the European Diploma for Protected Areas

The Secretariat presented the main conclusions of the meeting of the Group of Specialists on the European Diploma of Protected Areas, held in Strasbourg on 14-15 March 2011.

The Secretariat informed the Committee that 10 Resolutions for the renewal of the European Diploma of Protected Areas were adopted by the Committee of Ministers. It further informed on the on-the-spot appraisals carried-out prior to the renewal of the European Diploma, with a particular focus on the two pending non-renewals for the Belovezhskaya Pushcha National Park (Belarus) and Bialowieza National Park (Poland). With regard to the Sumava National Park (Czech Republic), the Secretariat said that the Group had decided to postpone discussion of the report of the on-site visit (July 2010), at the request of the authorities concerned.

The Group also took note of the annual reports and made proposals for improving the monitoring system.

The Group also held a substantial discussion on the future of the European Diploma, and made proposals concerning the institutional aspects, the setting up of an appropriate financial mechanism to secure contributions from the private sector, the visibility of the Diploma and its links with other awards, as well as the role of diploma-holding areas as examples of good management in the implementation of the Aichi targets. At the Bureau's request, a consolidated version of the document had been prepared with a view to fixing a concrete timetable up to 2015 (50th anniversary of the European Diploma). A side event organised during the meeting of the Standing Committee had helped to prepare concrete proposals to be submitted at the Group's next meeting. Furthermore, a consultant had been tasked with updating the database and the map of European Diploma sites, and analysing the different types of habitats and geographical regions already represented in order to identify any gaps and encourage new applications.

Finally, the Secretariat recalled that, in keeping with the principle of rotation, the Group's current membership would be modified: the representatives of Germany, Italy and the Netherlands would leave the Group, while the term of office of the other three specialists (France, the Russian Federation, and the United Kingdom) was renewed for 2 years. The Bureau has proposed the nomination of three new members (Estonia, Slovenia, and Turkey).

**Decision:** The Committee took note of the report of the meeting of the Group of Specialists and welcomed the proposals for the future of the European Diploma; it decided to submit these proposals to the Group of Specialists for further analysis in 2012.

## Appendix 1



### Convention on the Conservation of European Wildlife and Natural Habitats

#### Standing Committee

#### **Recommendation No. 157 (2011) of the Standing Committee, adopted on 2 December 2011, on the status of candidate Emerald sites and guidelines on the criteria for their nomination**

The Standing Committee to the Convention on the Conservation of European Wildlife and Natural Habitats, acting under the terms of Article 14 of the Convention;

Considering Articles 3 and 4 of the Convention;

Having regard to Resolution No. 1 (1989) on the provisions relating to the conservation of habitats;

Having regard to its Recommendation No. 14 (1989) on species habitat conservation and on the conservation of endangered natural habitats;

Having regard to its Recommendation No. 16 (1989) on Areas of Special Conservation Interest;

Having regard to its Resolution No. 3 (1996) on the setting-up of a pan-European Ecological Network;

Recalling its Resolution No. 4 (1996) listing endangered natural habitats requiring specific habitat conservation measures;

Recalling its Resolution No. 5 (1998) concerning the rules for the Network of areas of special conservation interest (Emerald Network);

Recalling its Resolution No. 6 (1998) listing the species requiring specific habitat conservation measures;

Recalling the Calendar for the implementation of the Emerald Network of Areas of Special Conservation Interest (2011-2020) adopted in December 2010, committing Contracting Parties and Observer states to the Bern Convention to the completion of the Emerald Network constitution process by 2020;

Recalling the "Bern Declaration on the conservation and sustainable use of biodiversity in Europe: 2010 and beyond" and in particular its principle 6 which urges Parties to pursue the setting up of the Emerald Network of Areas of Special Conservation Interest, in order that it can be completed in Europe by 2020, at the latest, and developed in other regions with Contracting Parties of the Convention, and recalls the positive implications for local development that may be derived;

Welcoming the Strategic Plan for Biodiversity (2011 – 2020) and the 'Aichi 2020 targets' adopted at the 10<sup>th</sup> COP of the Convention on Biological Diversity and taking note in particular of target 11, committing Parties to conserve at least 17% of terrestrial and inland water and 10% of coastal and marine areas through well managed, ecologically representative and connected protected areas;

Taking note, with appreciation, of the EU 2020 biodiversity Strategy, endorsed by the Council of the European Union in June 2011, and more particularly its target 1, which calls on Member States to fully implement the Birds and Habitats Directives;

Welcoming the efforts of Contracting Parties and Observer states and the support of the European Commission and the European Environment Agency in the development of the Emerald Network, as a contribution to step up averting global biodiversity loss, with regard to the Aichi headline target 11;

Recognising the work of the European Union and its Member States on the development of the Natura 2000 Network and their current efforts on improving the management of the Network and achieving a favourable conservation status for threatened species and habitats;

Welcoming the considerable efforts of Contracting Parties on the implementation of the Calendar for the implementation of the Emerald Network (2011 – 2020) in view of the identification of potential Emerald sites on their territory;

Considering the *Criteria for assessing the National Lists of proposed ASCIs at biogeographical level and procedure for examining and approving Emerald candidate sites* adopted by the Standing Committee to the Bern Convention on 9<sup>th</sup> December 2010, as well as the official “candidate Emerald site” status it provides for;

Conscious that the ecological quality of proposed Emerald sites should be preserved as soon as they are officially nominated as ‘candidate Emerald sites’ by the Standing Committee to the Bern Convention;

Recommends that Contracting Parties:

1. Take the necessary protection and conservation measures in order to maintain the ecological characteristics of the candidate Emerald sites;
2. Ensure that, if and when appropriate, these measures include administrative, management or development plans corresponding to the ecological requirements for the long term survival of species and habitats present in the proposed Emerald sites, in particular those of the Bern Convention Resolutions No. 4 (1996) and No. 6 (1998) or specified by Recommendation 16 (1989) and that these are set in place at the latest once ASCIs have officially been adopted by the Standing Committee to the Bern Convention;
3. Ensure that the site proposals submitted to the Standing Committee to the Bern Convention for official nomination as candidate Emerald sites comply with the minimum criteria proposed in the guidance set out in Appendix 1 to the present Recommendation.

Invites Contracting Parties, the European Commission and the European Environment Agency to consider listing biodiversity among the programme priorities for the neighbourhood policy.

## APPENDIX I

### Guidance

This guidance draws on the discussions of the Group of Experts on Protected Areas and Ecological Networks at its 3<sup>rd</sup> meeting (2011) as well as on the expert opinion of the European Topic Centre on Biological Diversity. It complements the provisions of the *Criteria for assessing the National Lists of proposed ASCIs at biogeographical level and procedure for examining and approving Emerald candidate sites*, adopted by the Standing Committee to the Bern Convention at its 30<sup>th</sup> meeting in 2010.

National sites' proposals can be submitted to the Standing Committee to the Bern Convention for official nomination as Emerald candidate sites once they fulfil the following minimum criteria:

- a. Are described according to the Emerald standard data form (Appendix I to resolution No. 5 (1998) of the Standing Committee to the Bern Convention);
- b. Contain at least one habitat and/or species listed in the Revised Annex I of Resolution No. 4 (1996) of the Standing Committee to the Bern Convention and/or in Resolution No. 6 (1998) of the Standing Committee to the Bern Convention and/or specified by Recommendation No. 16 (1989);
- c. Provide information on site name, site code and site area, together with the site boundary in an agreed GIS format (in the case of an individual cave, the central coordinate of the cave entrance should be provided).

## Appendix 2

### REVISED APPENDIX 1: SPECIES REQUIRING SPECIFIC HABITAT CONSERVATION MEASURES

#### ANNEXE 1 REVISÉE: ESPÈCES NÉCESSITANT DES MESURES SPÉCIFIQUES DE CONSERVATION DE L'HABITAT

#### PLANTS / PLANTES

##### PTERIDOPHYTA

###### ASPLENIACEAE

- Asplenium adulterinum* Milde
- Asplenium jahandiezii* (Litard.) Rouy

###### BLECHNACEAE

- Woodwardia radicans* (L.) Sm.

###### DICKSONIACEAE

- Culcita macrocarpa* C. Presl

###### DRYOPTERIDACEAE

- Diplazium sibiricum* (Turcz. ex Kunze) Kurata
- Dryopteris corleyi* Fraser-Jenk.
- Dryopteris fragans* (L.) Schott

###### HYMENOPHYLLACEAE

- Trichomanes speciosum* Willd.

###### ISOETACEAE

- Isoetes boryana* Durieu
- Isoetes malinverniana* Ces. & De Not.

###### MARSILEACEAE

- Marsilea batardae* Launert
- Marsilea quadrifolia* L.
- Marsilea strigosa* Willd.

###### OPHIOGLOSSACEAE

- Botrychium simplex* Hitchc.
- Ophioglossum polyphyllum* A. Braun

##### GYMNOSPERMAE

###### PINACEAE

- Abies nebrodensis* (Lojac.) Mattei

##### ANGIOSPERMAE

###### ALISMATACEAE

- Alisma wahlenbergii* (Holmberg) Juz.

*Caldesia parnassifolia* (L.) Parl.  
*Luronium natans* (L.) Raf.

#### AMARYLLIDACEAE

*Leucojum nicaeense* Ard.  
*Narcissus angustifolius* Curt.  
*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  
*Sternbergia candida* B.

#### ARISTOLOCHIACEAE

*Aristolochia samsunensis* Davis

#### 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  
*Onosma halophilum* Boiss. & Heldr.  
*Onosma polyphylla* Lebed.  
*Onosma proponticum* Aznav.  
*Onosma tornensis* Javorka  
*Omphalodes kuzinskyanae* Willk.  
*Omphalodes littoralis* Lehm.  
*Solenanthus albanicus* (Degen & al.) Degen & Baldacci  
*Symphtymum cycladense* Pawl.

#### CAMPANULACEAE

*Adenophora liliifolia* (L.) Ledeb  
*Asyneuma giganteum* (Boiss.) Bornm.  
*Campanula bohemica* Hruby  
*Campanula damboldiana*  
*Campanula gelida* Kovanda  
*Campanula lyrica*  
*Campanula romanica* Savul.  
*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. ssp. *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 cinranus* Boiss. & Reuter subsp. *cinranus* Boiss. & Reuter  
*Dianthus diutinus* Kit.  
*Dianthus hypanicus* Andrz.  
*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.  
*Dianthus serotinus* Waldst. et Kit.  
*Dianthus urumoffii* Stoj. et Acht.  
*Gypsophila papillosa* P. Porta  
*Herniaria algarvica* Chaudhri  
*Herniaria latifolia* Lapeyr. subsp. *litardierei* Gamis  
*Herniaria lusitanica* (Chaudhri) subsp. *ber lengiana* Chaudhri  
*Herniaria maritima* Link  
*Minuartia SMEJKALII* Dvorakova  
*Moehringia hypanica* Gryn. et Klok.  
*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* Fernandez Casas  
*Saponaria halophila*  
*Silene cretacea* Fisch. ex Spreng.  
*Silene furcata* Rafin. ssp. *angustiflora* (Rupr.) Walters  
*Silene hicesiae* Brullo & Signorello  
*Silene hifacensis* Rouy ex Willk.  
*Silene holzmanii* Heldr. ex Boiss.  
*Silene longicilia* (Brot.) Otth.  
*Silene mariana* Pau  
*Silene orphanaidis* Boiss.  
*Silene rothmaleri* Pinto da Silva  
*Silene salsuginae* Hub.-Mor.  
*Silene sangaria* Coode & Cullen  
*Silene velutina* Pourret ex Loisel.

CHENOPodiaceae

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

*Beta trojana* Pamuk. apud Aellen  
*Cremnophyton lanfrancoi* Brullo et Pavone  
*Microcnemum coralloides* subsp. *anatolicum*  
*Suaeda cucullata* Aellen  
*Salicornia veneta* Pignatti & Lausi

## CISTACEAE

*Cistus palhinhae* Ingram  
*Halimium verticillatum* (Brot.) Sennen  
*Helianthemum arcticum* (Grosser) Janch.  
*Helianthemum alypoides* Losa & Rivas Goday  
*Helianthemum caput-felis* Boiss.  
*Tuberaria major* (Willk.) Pinto da Silva & Rozeira

## COMPOSITAE

*Achillea glaberrima* Klok.  
*Achillea thracica* Velen.  
*Anacyclus latealatus* Hub.-Mor.  
*Andryala levitomentosa* (E. I. Nayard) P. D. Sell  
*Anthemis glaberrima* (Rech. f.) Greuter  
*Anthemis halophila* Boiss. & Bal.  
*Artemisia campestris* L. subsp. *bottnica* A.N. Lundström ex Kindb.  
*Artemisia granatensis* Boiss.  
*Artemisia laciniata* Willd.  
*Artemisia oelandica* (Besser) Komarov  
*Artemisia pancicii* (Janka) Ronn.  
*Aster pyrenaeus* Desf. ex DC  
*Aster sorrentinii* (Tod) Lojac.  
*Carduus myriacanthus* Salzm. ex DC.  
*Carlina onopordifolia* Besser  
*Centaurea akamantis* Th Georgiades & G Chatzikyriakou  
*Centaurea alba* L. subsp. *heldreichii* (Halacsy) Dostal  
*Centaurea alba* L. subsp. *princeps* (Boiss. & Heldr.) Gugler  
*Centaurea attica* Nyman subsp. *megarensis* (Halacsy & Hayek) Dostal  
*Centaurea balearica* J. D. Rodriguez  
*Centaurea borjae* Valdes-Berm. & Rivas Goday  
*Centaurea citricolor* Font Quer  
*Centaurea corymbosa* Pourret  
*Centaurea dubjanskyi* Iljin.  
*Centaurea gadorensis* G. Blanca  
*Centaurea hermannii* F. Hermann  
*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 pineticola* Iljin.

Centaurea pontica Prodan & E. I. Nayardy  
Centaurea pseudoleucolepis Kleop  
Centaurea pulvinata (G. Blanca) G. Blanca  
Centaurea rothmalerana (Arènes) Dostál  
Centaurea tchihatcheffii Fich. & Mey  
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  
Dendranthema zawadskyi (Herb.) Tzvel.  
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.  
Lagoseris purpurea (Willd.) Boiss.  
Lamyropsis microcephala (Moris) Dittrich & Greuter  
Leontodon microcephalus (Boiss. ex DC.) Boiss.  
Leontodon boryi Boiss.  
Leontodon sicus (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 jacobaea L. subsp. gotlandicus (Neuman) Sterner  
Senecio nevadensis Boiss. & Reuter  
Serratula lycopifolia (Vill.) A.Kern  
Serratula tanaitica P. Smirn.  
Sonchus erzincanicus Matthews  
Tephroseris longifolia (Jacq.) Griseb et Schenk subsp. moravica

#### CONVOLVULACEAE

Convolvulus argyrothamnus Greuter  
Convolvulus fernandesii Pinto da Silva & Teles  
Convolvulus pulvinatus Sa'ad

#### CRUCIFERAE

Alyssum pyrenaicum Lapeyr.  
Arabis kennedyae Meikle  
Arabis sadina (Samp.) P. Cout.  
Arabis scopoliana Boiss  
Armoracia macrocarpa (Waldst. & Kit.) Kit. ex Baumg  
Biscutella neustriaca Bonnet  
Biscutella vincentina (Samp.) Rothm.  
Boleum asperum (Pers.) Desvaux

*Brassica glabrescens* Poldini  
*Brassica hilarionis* Post  
*Brassica insularis* Moris  
*Brassica macrocarpa* Guss.  
*Brassica sylvestris* (L.) Mill. subsp. *taurica* Tzvel.  
*Braya linearis* Rouy  
*Cochlearia polonica* Frohlich  
*Cochlearia tatrae* Borbas  
*Coincyia rupestris* Rouy  
*Coronopus navasii* Pau  
*Crambe koktebelica* (Junge) N. Busch.  
*Crambe litwinonowii* K. Gross.  
*Crambe tataria* Sebeok  
*Diplotaxis ibicensis* (Pau) Gomez-Campo  
*Diplotaxis siettiana* Maire  
*Diplotaxis vicentina* (P. Cout.) Rothm.  
*Draba cacuminum* Elis Ekman  
*Draba cinerea* Adams  
*Draba dorneri* Heuffel.  
*Erucastrum palustre* (Pirona) Vis.  
*Erysimum pieninicium* (Zapal.) Pawl.  
*Iberis arbuscula* Runemark  
*Iberis procumbens* Lange subsp. *microcarpa* Franco & Pinto da Silva  
*Jonopsidium acaule* (Desf.) Reichenb.  
*Jonopsidium savianum* (Caruel) Ball ex Arcang.  
*Lepidium turczaninowii* Lipsky.  
*Rhynchosinapis erucastrum* (L.) Dandy ex Clapham subsp. *cintrana* (Coutinho)  
 Franco & P. Silva (*Coincyia cintrana* (P. Cout.) Pinto da Silva)  
*Schivereckia podolica* (Besser) Andrz.  
*Sisymbrium cavanillesianum* Valdes & Castroviejo  
*Sisymbrium supinum* L.  
*Thlaspi cariense*  
*Thlaspi jankae* A.Kern.

## CYPERACEAE

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

## DIOSCOREACEAE

*Borderea chouardii* (Gaussin) Heslot

## DIPSACACEAE

*Dipsacus cephalarioides*

## DROSERACEAE

*Aldrovanda vesiculosa* L.

## ELATINACEAE

*Elatine gussonei* (Sommier) Brullo *et al.*

## ERICACEAE

*Rhododendron luteum* Sweet  
*Vaccinium arctostaphylos* L.

EUPHORBIACEAE

*Euphorbia margalidiana* Kuhbier & Lewejohann  
*Euphorbia transtagana* Boiss.

GENTIANACEAE

*Centaurium rigulii* Esteve  
*Centaurium somedanum* Lainz  
*Gentianella bohemica* Skalicky  
*Gentiana ligustica* R. de Vilm. & Chopinet  
*Gentianella anglica* (Pugsley) E. F. Warburg

GERANIACEAE

*Erodium astragaloides* Boiss. & Reuter  
*Erodium paularense* Fernandez-Gonzalez & Izco  
*Erodium rupicola* Boiss.

GLOBULARIACEAE

*Globularia stygia* Orph. ex Boiss.

GRAMINEAE

*Arctagrostis latifolia* (R. Br.) Griseb.  
*Arctophila fulva* (Trin.) N. J. Anderson  
*Avenula hackelii* (Henriq.) Holub  
*Bromus grossus* Desf. ex DC.  
*Bromus psammophilus*  
*Calamagrostis chalybaea* (Laest.) Fries  
*Cinna latifolia* (Trev.) Griseb.  
*Coleanthus subtilis* (Tratt.) Seidl  
*Eremopoa mardinensis*  
*Festuca brigantina* (Markgr.-Dannenb.) Markgr.-Dannenb.  
*Festuca duriotagana* Franco & R. Afonso  
*Festuca elegans* Boiss.  
*Festuca henriquesii* Hack.  
*Festuca summisitana* 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.  
*Poa riphaea* (Ascherson 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 syreistschikowii* P. Smirn.  
*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

*Hypericum salsuginosum*

#### IRIDACEAE

*Crocus abantensis*

*Crocus cypricus* 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. *glaucoides* (Cav.) Malagarriga

*Sideritis javalambreensis* Pau

*Sideritis serrata* Cav. ex Lag.

*Teucrium lepicephalum* Pau

*Teucrium turredanum* Losa & Rivas Goday

*Thymus camphoratus* Hoffmanns. & Link

*Thymus carnosus* Boiss.

*Thymus lotoccephalus* G. López & R. Morales (*Thymus cephalotes* 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*

*Astragalus maritimus* Moris

*Astragalus peterpii* Jav.  
*Astragalus physocalyx* Fischer  
*Astragalus tremolsianus* Pau  
*Astragalus setosulus* Gontsch.  
*Astragalus tanaiticus* C. Koch.  
*Astragalus verrucosus* Moris  
*Cytisus aeolicus* Guss. ex Lindl.  
*Genista dorycnifolia* Font Quer  
*Genista holopetala* (Fleischm. ex Koch) Baldacci  
*Genista tetragona* Bess.  
*Glycyrrhiza iconica*  
*Hedysarum razoumovianum* Fisch. et Helm.  
*Melilotus segetalis* (Brot.) Ser. subsp. *fallax* Franco  
*Ononis hackelii* Lange  
*Sphaerophysa kotschyana*  
*Thermopsis turcica*  
*Trifolium banaticum* (Heuffel) Majovsky  
*Trifolium pachycalyx*  
*Trifolium saxatile* All.  
*Trigonella arenicola*  
*Trigonella halophila*  
*Trigonella polycarpa*  
*Vicia bifoliolata* J.D. Rodriguez

#### LENTIBULARIACEAE

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

#### LILIACEAE

*Allium grosii* Font Quer  
*Allium regelianum* A. Beck.  
*Allium vuralii*  
*Androcymbium rechingeri* Greuter  
*Asparagus lycaonicus*  
*Asphodelus bento-rainhae* P. Silva  
*Chionodoxa lochiae* Meikle in Kew Bull.  
*Chionodoxa luciliae*  
*Colchicum arenarium* Waldst. et Kit.  
*Colchicum davidovii* Stef.  
*Colchicum fominii* Bordz.  
*Colchicum micranthum*  
*Fritillaria montana* Hoppe.  
*Hyacinthoides vicentina* (Hoffmans. & Link) Rothm.  
*Lilium jankae* A. Kerner  
*Lilium rhodopaeum* Delip.  
*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**  
*Kosteletzkyia pentacarpos* (L.) Ledeb.

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

**OLEACEAE**  
*Syringa josikaea* Jacq. fil.

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

**OROBANCHACEAE**  
*Orobanche densiflora* Salzm. ex Reut.

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

**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 anatolicum*  
*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.  
*Limonium tamaricoides*

POLYGONACEAE

- Persicaria foliosa* (H. Lindb.) Kitag.  
*Polygonum praelongum* Coode & Cullen  
*Rheum rhabonticum* L  
*Rumex rupestris* Le Gall

PRIMULACEAE

- Androsace mathildae* Levier  
*Androsace pyrenaica* Lam.  
*Cyclamen fatrense* Halda et Sojak  
*Cyclamen kuznetzovii* Kotov et Czernova  
*Cyclamen mirabile*  
*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 feroxii* Steinb.  
*Aconitum firmum* (Reichenb.) Neirl subsp. *moravicum* Skalicky  
*Adonis distorta* Ten.  
*Anemone uralensis* Nevski.  
*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* Wend. (*Pulsatilla halleri* (All.) Willd. subsp. *grandis* (Wend.) Meikle  
*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 emiliae-poppii* E. I. Nayard  
*Potentilla delphinensis* Gren. & Godron  
*Potentilla silesiaca* Uechtr.  
*Pyrus anatolica*  
*Pyrus magyarica* Terpo  
*Sorbus teodori* Liljefors

## RUBIACEAE

*Galium cracoviense* Ehrend.  
*Galium globuliferum*  
*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 osloensis* Knaben  
*Saxifraga tombeanensis* Boiss. ex Engl.

## SCROPHULARIACEAE

*Antirrhinum charidemi* Lange  
*Chaenorhinum serpyllifolium* (Lange) Lange subsp. *lusitanicum* R. Fernandes  
*Euphrasia genargentea* (Feoli) Diana  
*Euphrasia marchesettii* Wettst. ex Marches.  
*Linaria algarviana* Chav.  
*Linaria coutinhoi* Valdés  
*Linaria ficalhoana* Rouy  
*Linaria flava* (Poiret) Desf.

*Linaria hellenica* Turrill  
*Linaria loeselii* Schweigger  
*Linaria pseudolaxiflora* Lojacono  
*Linaria ricardoi* Cout.  
*Linaria tursica* B. Valdes & Cabezudo  
*Linaria tonzigii* Lona  
*Odontites granatensis* Boiss.  
*Pedicularis sudetica* Willd.  
*Rhinanthus oesilensis* (Ronniger & Saarsoo) Vassilcz  
*Tozzia carpathica* Wol.  
*Verbascum basivelatum*  
*Verbascum degenii*  
*Verbascum litigiosum* Samp.  
*Verbascum purpureum* (Janka) Huber-Morath  
*Verbascum stepporum*  
*Veronica micrantha* Hoffmanns. & Link  
*Veronica euxina* Turrill  
*Veronica oetaea* L.-A. Gustavsson  
*Veronica turrilliana* Stoj. et Stef.

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 halophila*  
*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 kellereri* (Stoj. Stef. et Georg.) Stoj. et Stef.  
*Centranthus trinervis* (Viv.) Beguinot

## VIOLACEAE

*Viola delphinantha* Boiss.  
*Viola hispida* Lam.  
*Viola jaubertiana* Mares & Vigneix  
*Viola rupestris* F.W. Schmidt subsp. *relicta* Jalas

&gt;

## BRYOPHYTA

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

**SPECIES FROM THE MACARONESIAN REGION**

**ESPÈCES DE LA REGION MACARONÉSIENNE**

**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* Bañares & Romero

*Helianthemum bystropogophyllum* Svent.

**COMPOSITAE**

*Andryala crithmifolia* Ait.  
*Argyranthemum lidi* Humphries  
*Argyranthemum thalassophyllum* (Svent.) Hump.  
*Argyranthemum winterii* (Svent.) Humphries  
*Atractylis arbuscula* Svent. & Michaelis  
*Atractylis preauxiana* Schultz.  
*Calendula maderensis* DC.  
*Cheirolophus duranii* (Burchard) Holub  
*Cheirolophus ghomerytus* (Svent.) Holub  
*Cheirolophus junonianus* (Svent.) Holub  
*Cheirolophus massonianus* (Lowe) Hansen & Sund.  
*Cirsium latifolium* Lowe  
*Helichrysum gossypinum* Webb  
*Helichrysum monogynum* Burtt & Sund.  
*Hypochoeris oligocephala* (Svent. & Bramw.) Lack  
*Lactuca watsoniana* Trel.  
*Onopordum nogalesii* Svent.  
*Onopordum carduelinum* Bolle  
*Pericallis hadrosoma* (Svent.) B. Nord.  
*Phagnalon benettii* Lowe  
*Stemmacantha cynaroides* (Chr. Son. in Buch) Ditt  
*Sventenia bupleuroides* Font Quer  
*Tanacetum ptarmiciflorum* Webb & Berth

## CONVOLVULACEAE

*Convolvulus caput-medusae* Lowe  
*Convolvulus lopez-socasii* Svent.  
*Convolvulus massonii* A. Dietr.

## CRASSULACEAE

*Aeonium gomeraense* Praeger  
*Aeonium saundersii* Bolle  
*Aichryson dumosum* (Lowe) Praeg.  
*Monanthes wildpretii* Banares & Scholz  
*Sedum brissemoretii* Raymond-Hamet

## CRUCIFERAE

*Crambe arborea* Webb ex Christ  
*Crambe laevigata* DC. ex Christ  
*Crambe sventenii* R. Petters ex Bramwell & Sund.  
*Parolinia schizogynoides* Svent.  
*Sinapidendron rupestre* (Ait.) Lowe

## CYPERACEAE

*Carex malato-belizii* Raymond

## DIPSACACEAE

*Scabiosa nitens* Roemer & J. A. Schultes

## ERICACEAE

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

EUPHORBIACEAE

*Euphorbia handiensis* Burchard  
*Euphorbia lambii* Svent.  
*Euphorbia stygiana* H. C. Watson

GERANIACEAE

*Geranium maderense* P. F. Yeo

GRAMINEAE

*Deschampsia maderensis* (Haeck. & Born.) Buschm.  
*Phalaris maderensis* (Menezes) Menezes

GLOBULARIACEAE

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

LABIATAE

*Sideritis cystosiphon* Svent.  
*Sideritis discolor* (Webb ex de Noe) Bolle  
*Sideritis infernalis* Bolle  
*Sideritis marmorea* Bolle  
*Teucrium abutiloides* L'Hér.  
*Teucrium betonicum* L'Hér.

LEGUMINOSAE

*Anagyris latifolia* Brouss. ex. Willd.  
*Anthyllis lemanniana* Lowe  
*Dorycnium spectabile* Webb & Berthel  
*Lotus azoricus* P. W. Ball  
*Lotus callis-viridis* D. Bramwell & D. H. Davis  
*Lotus kunkelii* (E. Chueca) D. Bramwell & al.  
*Teline rosmarinifolia* Webb & Berthel.  
*Teline salsoloides* Arco & Acebes.  
*Vicia dennesiana* H. C. Watson

LILIACEAE

*Androcymbium psammophilum* Svent.  
*Scilla maderensis* Menezes  
*Semele maderensis* Costa

LORANTHACEAE

*Arceuthobium azoricum* Wiens & Hawksw.

MYRICACEAE

*Myrica rivas-martinezii* Santos.

OLEACEAE

*Jasminum azoricum* L.  
*Picconia azorica* (Tutin) Knobl.

ORCHIDACEAE

*Goodyera macrophylla* Lowe

**PITTOSPORACEAE**

*Pittosporum coriaceum* Dryand. ex. Ait.

**PLANTAGINACEAE**

*Plantago malato-belizii* Lawalree

**PLUMBAGINACEAE**

*Limonium arborescens* (Brouss.) Kuntze

*Limonium dendroides* Svent.

*Limonium spectabile* (Svent.) Kunkel & Sunding

*Limonium sventenii* Santos & Fernandez Galvan

**POLYGONACEAE**

*Rumex azoricus* Rech. fil.

**RHAMNACEAE**

*Frangula azorica* Tutin

**ROSACEAE**

*Bencomia brachystachya* Svent.

*Bencomia sphaerocarpa* Svent.

*Chamaemeles coriacea* Lindl.

*Dendriopoterium pulidoi* Svent.

*Marcetella maderensis* (Born.) Svent.

*Prunus lusitanica* L. subsp. *azorica* (Mouillef.) Franco

*Sorbus maderensis* (Lowe) Dode

**SANTALACEAE**

*Kunkeliella subsucculenta* Kammer

**SCROPHULARIACEAE**

*Euphrasia azorica* H.C. Watson

*Euphrasia grandiflora* Hochst. in Seub.

*Isoplexis chalcantha* Svent. & O'Shanahan

*Isoplexis isabelliana* (Webb & Berthel.) Masferrer

*Odontites holliana* (Lowe) Benth.

*Sibthorpia peregrina* L.

**SOLANACEAE**

*Solanum lidii* Sunding

**UMBELLIFERAE**

*Ammi trifoliatum* (H. C. Watson) Trelease

*Bupleurum handiense* (Bolle) Kunkel

*Chaerophyllum azoricum* Trelease

*Ferula latipinna* Santos

*Melanoselinum decipiens* (Schrader & Wendl.) Hoffm.

*Monizia edulis* Lowe

*Oenanthe divaricata* (R. Br.) Mabb.

*Sanicula azorica* Guthnick ex Seub.

**VIOLACEAE**

Viola paradoxa Lowe

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**BRYOPHYTA**

Echinodium spinosum (Mitt.) Jur.  
Thamnobryum fernandesii Sergio

**VERTEBRATES/VERTÉBRÉS**

**Mammals/Mammifères**

**INSECTIVORA**

*Talpidae*

Desmana moschata  
Galemys pyrenaicus

**CHIROPTERA**

*Pteropidae*

Rousettus aegyptiacus

*Rhinolophidae*

Rhinolophus blasii  
Rhinolophus euryale  
Rhinolophus ferrumequinum  
Rhinolophus hipposideros  
Rhinolophus mehelyi

*Vespertilionidae*

Barbastella barbastellus  
Eptesicus bottae  
Miniopterus schreibersi  
Myotis bechsteini  
Myotis blythii  
Myotis capaccinii  
Myotis dasycneme  
Myotis emarginatus  
Myotis myotis

**RODENTIA**

*Castoridae*

Castor fiber #<sup>1, 2</sup>

*Cricetidae*

Mesocricetus newtoni

*Gliridae*

Myomimus roachi (Myomimus bulgaricus)

*Microtidae*

Microtus cabrerae  
Microtus oeconomus arenicola #<sup>2</sup>  
Microtus taticus  
Spalax graecus

*Muridae*

Microtus oeconomus mehelyi

*Sciuridae*

Marmota marmota latirostris  
Pteromys volans (*Sciuropterus russicus*)#

Spermophilus citellus (*Citellus citellus*)#  
Spermophilus suslicus (*Citellus suslicus*) #

*Zapodidae*

Sicista subtilis

## CARNIVORA

*Canidae*

Alopex lagopus #  
Canis lupus #<sup>1</sup>  
Cuon alpinus

*Ursidae*

Ursus arctos #<sup>1</sup>  
Ursus maritimus

*Mustelidae*

Gulo gulo #  
Lutra lutra #  
Mustela eversmannii  
Mustela lutreola  
Vormela peregusna

*Felidae*

Caracal caracal  
Lynx lynx #<sup>1</sup>  
Lynx pardinus  
Panthera pardus

*Odobenidae*

Odobenus rosmarus

*Phocidae*

Halichoerus grypus #<sup>2</sup>  
Monachus monachus  
Phoca hispida bottnica<sup>2</sup>  
Phoca hispida saimensis  
Phoca hispida ladogensis  
Phoca vitulina #<sup>2</sup>

## ARTIODACTYLA

*Cervidae*

Cervus elaphus corsicanus  
Rangifer tarandus fennicus<sup>2</sup>

*Bovidae*

Bison bonasus<sup>2</sup>  
Capra aegagrus (natural populations/populations naturelles)  
Capra pyrenaica pyrenaica  
Gazella subgutturosa  
Gazella dorcas  
Ovis gmelini musimon (Ovis ammon musimon) (natural populations - Corsica and Sardinia / populations naturelles - Corse et Sardaigne)<sup>2</sup>  
Ovis orientalis ophion (Ovis gmelini ophion)  
Rupicapra pyrenaica ornata (Rupicapra rupicapra ornata)

Rupicapra rupicapra balcanica<sup>2</sup>  
Rupicapra rupicapra tatra

**CETACEA**

*Delphinidae*  
Tursiops truncatus #  
*Phocoenidae*  
Phocoena phocoena #

**Birds/Oiseaux**

**GAVIIFORMES**

*Gaviidae*  
Gavia adamsii  
Gavia arctica  
Gavia immer  
Gavia stellata

**PODICIPEDIFORMES**

*Podicipedidae*  
Podiceps auritus

**PROCELLARIIFORMES**

*Hydrobatidae*  
Hydrobates pelagicus #  
Oceanodroma castro  
Oceanodroma leucorhoa #  
Pelagodroma marina  
*Procellariidae*  
Bulweria bulwerii  
Calonectris diomedea (Procellaria diomedea)  
Puffinus assimilis  
Puffinus puffinus mauretanicus (Puffinus mauretanicus)  
Puffinus yelkouan  
Pterodroma feae  
Pterodroma madeira

**PELECANIFORMES**

*Phalacrocoracidae*  
Phalacrocorax aristotelis desmarestii<sup>2</sup>  
Phalacrocorax pygmaeus  
*Pelecanidae*  
Pelecanus crispus  
Pelecanus onocrotalus

**CICONIFORMES**

*Ardeidae*  
Ardea purpurea  
Ardeola ralloides  
Botaurus stellaris  
Casmerodius albus (Egretta alba)

*Egretta garzetta*  
*Ixobrychus minutus*  
*Nycticorax nycticorax*

*Ciconiidae*

*Ciconia nigra*  
*Ciconia ciconia*

*Threskiornithidae*

*Plegadis falcinellus*  
*Platalea leucorodia*

*Phoenicopteridae*

*Phoenicopterus ruber*

## ANSERIFORMES

*Anatidae*

*Anser albifrons flavirostris*<sup>2</sup>  
*Anser erythropus*  
*Aythya nyroca*<sup>2</sup>  
*Branta leucopsis*  
*Branta ruficollis*  
*Bucephala islandica*  
*Cygnus bewickii* (*Cygnus columbianus bewickii*) #  
*Cygnus cygnus* #  
*Histrionicus histrionicus*  
*Marmaronetta angustirostris* (*Anas angustirostris*)  
*Mergus albellus*  
*Oxyura leucocephala*  
*Polysticta stelleri*  
*Tadorna ferruginea*

## FALCONIFORMES

*Accipitridae*

*Accipiter brevipes*  
*Accipiter gentilis arrigonii*  
*Accipiter nisus granti*  
*Aegypius monachus*  
*Aquila adalberti*  
*Aquila chrysaetos*  
*Aquila clanga*  
*Aquila heliaca*  
*Aquila nipalensis*  
*Aquila pomarina*  
*Buteo rufinus*  
*Circaetus gallicus*  
*Circus aeruginosus*  
*Circus cyaneus*  
*Circus macrourus*  
*Circus pygargus*  
*Elanus caeruleus*  
*Gypaetus barbatus*  
*Gyps fulvus*  
*Haliaeetus albicilla*  
*Hieraetus fasciatus*

Hieraetus pennatus  
Milvus migrans  
Milvus milvus  
Neophron percnopterus  
Pernis apivorus

*Pandionidae*

Pandion haliaetus

*Falconidae*

Falco biarmicus  
Falco cherrug  
Falco columbarius #  
Falco eleonorae  
Falco naumanni  
Falco peregrinus  
Falco rusticus  
Falco vespertinus

GALLIFORMES

*Tetraonidae*

Bonasa bonasia <sup>2</sup>  
Lagopus mutus helveticus <sup>2</sup>  
Lagopus mutus pyrenaicus <sup>2</sup>  
Tetrao tetrix tetrix <sup>2</sup>  
Tetrao urogallus <sup>2</sup> (only T.u. cantabricus in App II / seulement T.u.cantabricus est à l'annexe II)

*Phasianidae*

Alectoris barbara <sup>2</sup>  
Alectoris graeca  
Perdix perdix hispaniolensis <sup>2</sup>  
Perdix perdix italicica <sup>2</sup>

GRUIFORMES

*Turnicidae*

Turnix sylvatica

*Rallidae*

Crex crex  
Fulica cristata  
Porphyrio porphyrio  
Porzana parva  
Porzana porzana  
Porzana pusilla

*Gruidae*

Grus grus

*Otididae*

Chlamydotis undulata  
Otis tarda  
Tetrax tetrax

CHARADRIIFORMES

*Charadriidae*

Charadrius alexandrinus  
Charadrius asiaticus <sup>2</sup>  
Charadrius leschenaultii

*Charadrius morinellus* (*Eudromias morinellus*)

*Chettusia gregaria*<sup>2</sup>

*Hoplopterus spinosus*

*Pluvialis apricaria* #<sup>2</sup>

*Scolopacidae*

*Calidris alpina schinzii*

*Gallinago media*

*Limosa lapponica*

*Numenius tenuirostris*

*Philomachus pugnax*<sup>2</sup>

*Tringa glareola*

*Xenus cinereus* (*Tringa cinereus*)<sup>2</sup>

*Recurvirostridae*

*Himantopus himantopus*

*Recurvirostra avosetta*

*Phalaropodidae*

*Phalaropus fulicarius*

*Phalaropus lobatus*

*Burhinidae*

*Burhinus oedicnemus*

*Glareolidae*

*Cursorius cursor*

*Glareola nordmanni*

*Glareola pratincola*

*Laridae*

*Chlidonias hybridus*

*Chlidonias leucopterus*

*Chlidonias niger*

*Gelochelidon nilotica*

*Larus audouinii*

*Larus genei*

*Larus melanocephalus*

*Larus minutus*

*Pagophila eburnea*

*Sterna albifrons*

*Sterna caspia* (*Hydroprogne caspia*)

*Sterna dougallii*

*Sterna hirundo*

*Sterna paradisaea* (*macrura*)

*Sterna sandvicensis*

*Alcidae*

*Uria aalge ibericus*<sup>2</sup>

COLUMBIIFORMES

*Pteroclidiidae*

*Pterocles alchata*

*Pterocles orientalis*

*Columbidae*

*Columba bollii*

*Columba junoniae*

*Columba palumbus azorica*<sup>2</sup>

Columba trocaz<sup>2</sup>

**STRIGIFORMES**

*Strigidae*

Aegolius funereus  
Asio flammeus  
Bubo bubo  
Glaucidium passerinum  
Ketupa zeylonensis  
Nyctea scandiaca  
Strix nebulosa  
Strix uralensis  
Surnia ulula

**CAPRIMULGIFORMES**

*Caprimulgidae*

Caprimulgus europaeus

**APODIFORMES**

*Apodidae*

Apus caffer

**CORACIIFORMES**

*Alcedinidae*

Alcedo atthis  
Halcyon smyrnensis

*Coraciidae*

Coracias garrulus

**PICIFORMES**

*Picidae*

Dendrocopos leucotos  
Dendrocopos major canariensis  
Dendrocopos major thanneri  
Dendrocopos medius  
Dendrocopos syriacus  
Dryocopus martius  
Picoides tridactylus  
Picus canus

**PASSERIFORMES**

*Alaudidae*

Calandrella brachydactyla  
Chersophilus duponti  
Galerida theklae  
Lullula arborea<sup>2</sup>  
Melanocorypha calandra  
Melanocorypha yeltoniensis

*Certhiidae*

Certhia brachydactyla dorotheae

*Motacillidae*

Anthus campestris

*Laniidae*

*Lanius collurio*  
*Lanius minor*  
*Lanius nubicus*

*Paridae*

*Parus ater cypriotes*

*Troglodytidae*

*Troglodytes troglodytes fridariensis*

*Muscicapidae Turdinae*

*Luscinia svecica* (*Cyanosylvia svecica*)  
*Oenanthe cypriaca* (*Oenenathe pleschanka cypriaca*)  
*Oenanthe pleschanka*  
*Oenanthe leucura*  
*Saxicola dacotiae*

*Sylviinae*

*Acrocephalus melanopogon*  
*Acrocephalus paludicola*  
*Hippolais olivetorum*  
*Sylvia melanothorax*  
*Sylvia nisoria*  
*Sylvia rueppelli*  
*Sylvia sarda*  
*Sylvia undata*

*Muscicapinae*

*Ficedula albicollis*  
*Ficedula parva*  
*Ficedula semitorquata*

*Sittidae*

*Sitta krueperi*  
*Sitta whiteheadi*

*Emberizidae*

*Emberiza caesia*  
*Emberiza cineracea*  
*Emberiza hortulana*<sup>2</sup>

*Fringillidae*

*Bucanetes githagineus* (*Rhodopechys githaginea*)  
*Fringilla coelebs ombrosa*<sup>2</sup>  
*Fringilla teydea*  
*Loxia scotica*  
*Pyrrhula murina*<sup>2</sup>

*Corvidae*

*Pyrrhocorax pyrrhocorax*

**Reptiles**

## CHELONIA (TESTUDINES)

*Testudinidae*

*Testudo graeca*  
*Testudo hermanni*  
*Testudo marginata*

*Cheloniidae*

*Caretta caretta*

*Chelonia mydas*

*Emydidae*

*Emys orbicularis*

*Mauremys caspica*

*Mauremys leprosa*

*Tryonychidae*

*Rafetus euphraticus*

*Tryonix triunguis*

**SAURIA**

*Lacertidae*

*Gallotia galloti insulanagae*

*Gallotia simonyi*

*Lacerta bonnali* (*Lacerta monticola*)

*Lacerta clarkorum*

*Lacerta monticola* (*Archaeolacerta monticola*)

*Lacerta schreiberi*

*Podarcis liofordi*

*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 albizona*

*Vipera barani*

*Vipera kaznakovi*

*Vipera pontica*

*Vipera ursinii*

*Vipera wagneri*

**Amphibians/Amphibiens**

**CAUDATA**

*Salamandridae*

*Chioglossa lusitanica*

*Mertensiella luschani* (*Salamandra luschani*)

*Salamandra atra aurorae*<sup>2</sup>

*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 ambrosii (Speleomantes ambrosii)<sup>2</sup>

Hydromantes flavus (Speleomantes flavus)

Hydromantes genei (Speleomantes genei)

Hydromantes imperialis (Speleomantes imperialis)

Hydromantes strinatii (Speleomantes strinatii)<sup>2</sup>

Hydromantes supramontes (Speleomantes supramontes)

**ANURA**

*Discoglossidae*

Alytes muletensis

Bombina bombina#

Bombina variegata#

Discoglossus galganoi (incl. Discoglossus jeanneae)

Discoglossus montalentii

Discoglossus sardus

Neurergus crocatus

Neurergus strauchi

*Ranidae*

Rana holtzi

Rana latastei

*Pelobatidae*

Pelobates fuscus insubricus

**Fish/Poissons**

**OSTEICHTHYES**

**PETROMYZONIFORMES**

*Petromyzonidae*

Eudontomyzon spp.<sup>2</sup>

Lampetra fluviatilis<sup>1,2</sup> #

Lampetra planeri<sup>1,2</sup> #

Lethenteron zanandreai (Lampetra zanandreai)

Petromyzon marinus<sup>1,2</sup> #

**ACIPENSERIFORMES**

*Acipenseridae*

Acipenser naccarii

Acipenser sturio

**SALMONIFORMES**

*Salmonidae*

Hucho hucho (natural populations/populations naturelles)<sup>2</sup>

Salmo macrostigma<sup>2</sup>

Salmo marmoratus<sup>2</sup>

Salmo salar (only in freshwater/uniquement en eau douce) #<sup>1,2</sup>

*Coregonidae*

*Coregonus oxyrhynchus* <sup>1</sup> #

*Umbridae*

*Umbra krameri*

**CYPRINIFORMES**

*Cyprinidae*

*Alburnus albidus* (*Alburnus vulturius*) <sup>2</sup>

*Anaecypris hispanica* <sup>2</sup>

*Aspius aspius* # <sup>1, 2</sup>

*Barbus capito*

*Barbus comiza* <sup>2</sup>

*Barbus meridionalis* <sup>2</sup>

*Barbus plebejus* <sup>2</sup>

*Chalcalburnus chalcooides* <sup>2</sup>

*Chondrostoma genei* <sup>2</sup>

*Chondrostoma lusitanicum* <sup>2</sup>

*Chondrostoma polylepis* <sup>1, 2</sup>

*Chondrostoma soetta* <sup>2</sup>

*Chondrostoma toxostoma* <sup>2</sup>

*Gobio albipinnatus* <sup>2</sup>

*Gobio kessleri*

*Gobio uranoscopus* <sup>2</sup>

*Iberocypris palaciosi* <sup>2</sup>

*Ladigesocypris ghigii* <sup>2</sup>

*Leuciscus lucumonis* <sup>2</sup>

*Leuciscus souffia* <sup>2</sup>

*Pelecus cultratus*

*Phoxinellus* spp. <sup>2</sup>

*Phoxinus percnurus*

*Rhodeus sericeus amarus* # <sup>2</sup>

*Rutilus alburnoides* <sup>2</sup>

*Rutilus arcasii* <sup>2</sup>

*Rutilus frisii meidingeri* <sup>2</sup>

*Rutilus lemmingii* <sup>2</sup> (*Chondrostoma lemingi*)

*Rutilus macrolepidotus* <sup>2</sup>

*Rutilus pigus* <sup>2</sup>

*Rutilus rubilio* <sup>2</sup>

*Scardinius graecus* <sup>2</sup>

*Cobitidae*

*Cobitis elongata*

*Cobitis taenia* <sup>1, 2</sup> #

*Cobitis trichonica* <sup>2</sup>

*Misgurnus fossilis* <sup>2</sup>

*Sabanejewia aurata* <sup>2</sup> (*Cobitis aurata*)

*Sabanejewia larvata* (*Cobitis larvata et Cobitis conspersa*) <sup>2</sup>

**SILURIFORMES**

*Siluridae*

*Silurus aristotelis* <sup>2</sup>

**ATHERINIFORMES**

*Cyprinodontidae*

Aphanius iberus  
 Aphanius fasciatus  
 Valencia hispanica  
 Valencia letourneuxi

#### SCORPAENIFORMES

##### *Cottidae*

Cottus gobio<sup>1,2</sup> #  
 Cottus petiti

#### PERCIFORMES

##### *Percidae*

Gymnocephalus baloni  
 Gymnocephalus schraetzer<sup>2</sup>  
 Romanichthys valsanicola<sup>2</sup> (proposed for Appendix II/proposition pour l'Annexe II)  
 Zingel spp.<sup>2</sup>

##### *Gobiidae*

Knipowitschia panizzae (Padogobius panizzae)<sup>2</sup>  
 Padogobius nigricans<sup>2</sup>  
 Pomatoschistus canestrini<sup>2</sup>

#### CLUPEIFORMES

##### *Clupeidae*

Alosa spp. #<sup>2</sup>

## INVERTEBRATES/INVERTEBRES

### Arthropods/Arthropodes

#### INSECTA

##### *Mantodea*

Apteromantis aptera

##### *Odonata*

Coenagrion hylas (Coenagrion freyi)  
 Coenagrion mercuriale  
 Coenagrion ornatum  
 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

*Coleoptera*

Agathidium pulchellum  
Bolbelasmus unicornis  
Boros schneideri  
Buprestis splendens  
Carabus hampei  
Carabus hungaricus  
Carabus menetriesi pacholei<sup>2</sup>  
Carabus olympiae  
Carabus variolosus  
Carabus zawadzki  
Cerambyx cerdo  
Corticaria planula<sup>2</sup>  
Cucujus cinnaberinus  
Dorcadiion fulvum cervae  
Duvalius gebhardti  
Duvalius hungaricus  
Dytiscus latissimus  
Graphoderus bilineatus  
Leptodirus hochenwarti  
Limoniscus violaceus<sup>2</sup>  
Lucanus cervus<sup>2</sup>  
Macroplea pubipennis<sup>2</sup>  
Mesosa myops<sup>2</sup>  
Morimus funereus<sup>2</sup>  
Osmoderma eremita  
Oxyporus mannerheimii<sup>2</sup>  
Phryganophilus ruficollis  
Pilemia tigrina  
Probatis subrugosus  
Propomacrus cypriacus  
Pseudogaurotina excellens  
Pseudosericius cameroni  
Pyro kolwensis<sup>2</sup>  
Rosalia alpina  
Rhysodes sulcatus  
Stephanopachys linearis<sup>2</sup>  
Stephanopachys substriatus<sup>2</sup>  
Xyletinus tremulicola<sup>2</sup>

*Hemiptera*

Aradus angularis<sup>2</sup>

*Lepidoptera*

Agriades glandon aquilo<sup>2</sup>  
Arytrura musculus  
Callimorpha (Euplagia, Panaxia) quadripunctaria #<sup>2</sup>  
Catopta thrips  
Chondrosoma fiduciarium  
Clossiana improba<sup>2</sup>

Coenonympha oedippus  
 Colias myrmidone  
 Cucullia mixta  
 Dioszeghyana schmidtii  
 Erannis ankeraria  
 Erebia calcaria  
 Erebia christi  
 Erebia medusa polaris <sup>2</sup>  
 Eriogaster catax  
 Euphydryas (Eurodryas, Hypodryas) aurinia  
 Glyphipterix loricatella  
 Gortyna borelii lunata  
 Graellsia isabellae <sup>2</sup>  
 Hesperia comma catena <sup>2</sup>  
 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 <sup>2</sup>  
 Xestia brunneopicta <sup>2</sup>  
 Xylomoia strix

## CRUSTACEA

*Decapoda*

Austropotamobius pallipes <sup>2</sup>  
 Austropotamobius torrentium

*Isopoda*

Armadillidium ghardalamensis

## ARACHNIDA

*Pseudoscorpiones*

Anthrenochernes stellae <sup>2</sup>

**Molluscs/Mollusques**

## GASTROPODA

*Cycloneritimorpha*

Theodoxus transversalis

*Dyotocardia*

Gibbula nivosa (Med.)

*Hygrophila*

Anisus vorticulus

*Mesogastropoda*

Paladilhia hungarica

Sadleriana pannonica

*Stylommatophora*

Caseolus calculus

Caseolus commixta

Caseolus sphaerula

Chilostoma banaticum

Discus guerinianus

Discula leacockiana

Discula tabellata

Elona quimperiana

Geomalacus maculosus

Geomitra moniziana

Helicopsis striata austriaca <sup>2</sup>

Hygromia kovacsi

Idiomela (Helix) subplicata <sup>2</sup>

Lampedusa imitatrix

Lampedusa melitensis

Leiostyla abbreviata

Leiostyla cassida

Leiostyla corneocostata

Leiostyla gibba

Leiostyla lamellosa

Vertigo angustior <sup>2</sup>

Vertigo genesii <sup>2</sup>

Vertigo geyeri <sup>2</sup>

Vertigo mouliniana <sup>2</sup>

**BIVALVIA**

*Unionoida*

Margaritifera durovensis (Margaritifera margaritifera) <sup>2</sup>

Margaritifera margaritifera <sup>2</sup>

Unio crassus

*Dreissenidae*

Congeria kusceri

**LIST OF SPECIES IDENTIFIED AS CANDIDATES BY THE STANDING COMMITTEE FOR POTENTIAL AMENDMENT OF ANNEX I OF RESOLUTION 6, OR, OF APPENDICES I OR II OF THE BERN CONVENTION IF NEED BE**

**LISTE D'ESPÈCES IDENTIFIÉES PAR LE COMITÉ PERMANENT EN TANT QUE CANDIDATES ÉVENTUELLES POUR L'AMENDEMENT DE L'ANNEXE 1 DE SA RÉSOLUTION n°6, OU, LE CAS ÉCHÉANT, DES ANNEXES I OU II DE LA CONVENTION**

**VERTEBRATES/VERTÉBRÉS**

**Mammals/Mammifères**

**RODENTIA**

*Gliridae*

Dryomis laniger

**CETACEA**

*Balaenopteridae*

Balaenoptera physalus (Med.)

*Physeteridae*

Physeter macrocephalus (Med.)

**Birds/Oiseaux**

**PASSERIFORMES**

*Alaudidae*

Melanocorypha bimaculata

*Sylvidae*

Sylvia mystacea

Hippolais languida

Phylloscopus lorenzii

*Fringillidae*

Serinus pusillus

*Turdidae*

Irania gutturalis

Oenanthe finschii

*Prunellidae*

Prunella atrogularis

Prunella ocularis

**CORACIFORMES**

*Alcedinidae*

Ceryle rudis

**Reptiles**

**SAURIA**

*Chamaeleonidae*

Chamaeleo chamaeleon

*Lacertidae*

Lacerta dugesii

Lacerta parva

Lacerta princeps  
Podarcis filfolensis

OPHIDIA

*Colubridae*  
Coluber gyarosensis  
*Viperidae*  
Vipera darevski

**Amphibians/Amphibiens**

CAUDATA

*Salamandridae*  
Euproctus platycephalus

ANURA

*Discoglossidae*  
Alytes dickhilleni

**Fish/Poissons**

**OSTEICHTHYES**

ACIPENSERIFORMES

*Acipenseridae*  
Acipenser nudiventris

SALMONIFORMES

*Salmonidae*  
Salmothymus ohridanus

CYPRINIFORMES

*Cyprinidae*  
Aulopyge hugeli  
Chondrostoma kneri  
Chondrostoma lemingi  
Chondrostoma phoxinus<sup>2</sup>  
Leucaspis stymphalicus  
Leuciscus illyricus  
Leuciscus microlepis  
Leuciscus polylepis  
Leuciscus svallize  
Leuciscus turskyi  
Leuciscus ukliva  
Pachychilon pictum  
Pomatoschistus tortonesei (Med.)  
Pseudophoxinus marathonicus (Leucaspis marathonicus)  
Pseudophoxinus stymphalicus (Leucaspis stymphalicus)  
Rutilus macedonicus  
Rutilus racovitzai

*Cobitidae*

Cobitis aurata  
Cobitis caspia  
Cobitis caucasia

Cobitis hassi  
Cobitis paludicola  
Cobitis romanica  
Sabanejewia calderoni

**SCORPAENIFORMES***Cottidae*

Cottus ferruginosus

**PERCIFORMES***Percidae*

Gymnocephalus acerina

Percarina demidoffi

*Gobiidae*

Caspiosoma caspium

**INVERTEBRATES/INVERTÉBRÉS****Arthropods/Arthropodes****ARACHNIDA***Araneae*

Macrothele calpeiana

**Molluscs/Mollusques****GASTROPODA***Dyotocardia*

Patella ferruginea (Med.)

**BIVALVIA***Unionoida*

Margaritifera auricularia