

SUBSIDIARY LEGISLATION 549.44

**FLORA, FAUNA AND NATURAL HABITATS
PROTECTION REGULATIONS**

7th December, 2006

LEGAL NOTICE 311 of 2006, as amended by Legal Notices 426 of 2007, 162 of 2009, 94 of 2010, 322 of 2013 and 379 of 2016.

1. (1) The title of these regulations is the Flora, Fauna and Natural Habitats Protection Regulations. Citation and entry into force.

(2) Part VIII of these regulations shall come into force on such a date as the Minister responsible for the environment may by notice in the Gazette appoint.

(3) A notice under subregulation (2) may make such transitional provisions as appear to the Minister to be necessary or expedient in connection with the provisions thereby brought into force.

2. (1) The aim of these regulations is to contribute towards ensuring biodiversity in the territory of the Member States of the European Community through the conservation of natural habitats and of wild fauna and flora in the Maltese Islands. Scope.

(2) Measures taken pursuant to these regulations shall be designed to maintain or restore, at favourable conservation status, natural habitats and species of wild fauna and flora of Community interest, and shall take account of economic, social and cultural requirements and regional and local characteristics.

(3) These regulations provide the provisions required for the implementation in Malta of:

- (a) Council Directive 92/43/EEC of 21 May 1992 on the Conservation of Natural Habitats and of Wild Fauna and Flora,
- (b) Council Directive 79/409/EEC of 2 April 1979 on the Conservation of Wild Birds,
- (c) the Convention on Biological Diversity,
- (d) the Convention on the Conservation of European Wildlife and Natural Habitats,
- (e) the Convention on the Conservation of Migratory Species of wild Animals, and
- (f) the Protocol for Specially Protected Areas and Biological Diversity in the Mediterranean of the Barcelona Convention;

they shall be read and construed as one with such legal instruments.

PART I

INTERPRETATION

3. For the purpose of these regulations and unless the context Interpretation.

otherwise requires:

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"the Act" means the Environment Protection Act;

"agreement" means an agreement, to which Malta is a party, entered into by a group of states reciprocally granting to citizens of such states or their dependants the right to enter, remain and reside in and leave the territory of such a state, to move freely within such states for such a period as may be established in the agreement and to work or establish, provide or receive services therein; and "Agreement State" and "citizen of an Agreement State" shall be construed accordingly; and where a State is a party to such an Agreement subject to modifications and adaptations, a citizen of an Agreement State shall be subject to such modifications or adaptations as may be prescribed;

"alien" means a non-indigenous organism, which has never been a native of Malta or which has been introduced therein during the past five hundred years;

"biological resources" includes genetic resources, organisms or parts thereof, populations, or any other biotic component of ecosystems with actual or potential use or value for humanity;

"the competent authority" means the Environment and Resources Authority;

"conservation" means a series of measures required to maintain or restore the natural habitats and the populations of species of wild fauna and flora at a favourable status as defined in the interpretation of "conservation status of a natural habitat" and "conservation status of a species";

"conservation status of a migratory species" means the sum of the influences acting on the migratory species that may affect its long-term distribution and abundance;

"conservation status of a natural habitat" means the sum of the influences acting on a natural habitat and its typical species that may affect its long-term natural distribution, structure and functions as well as the long-term survival of its typical species within the territory referred to in regulation 2(1).

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

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

"conservation status of a species" means the sum of the influences acting on the species concerned that may affect the long-term distribution and abundance of its populations within the territory referred to in regulation 2(1).

The conservation status will be taken as "favourable" when:

- population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats, and
- the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and
- there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis;

"country of origin of genetic resources" means the country which possesses those genetic resources in *in situ* conditions;

"country providing genetic resources" means the country supplying genetic resources collected from *in situ* sources, including populations of both wild and domesticated species, or taken from *ex situ* sources, which may or may not have originated in that country;

"deliberate" means actions by a person who is reasonably expected to know, in light of general experience, that his action will most likely lead to an offence against a species, but he intends the action or consciously accepts the results of his action, even if not intended;

"development notification order" means development notification orders issued under the Development Notification Order; S.L. 552.08

"Director" means the Director responsible for environment protection within the competent authority, or his designated representative;

"domesticated or cultivated species" means species in which the evolutionary process has been influenced by humans to meet their needs;

"endangered" means a species which is in danger of extinction and whose survival is unlikely if the causal factors continue operating. Included are species whose numbers have been severely depleted and reduced to a critical level or species whose habitat has been drastically reduced;

"endemic" means those species found in Malta and which are either species of biogeographical importance or species whose native distribution range is limited to Malta only or to the Central Mediterranean region only, whereby the latter region includes Sicily and circum-Sicilian islands (including Pantelleria and the Pelagian Islands), the Maltese Islands and islands off Tunisia. Such endemic species also include possibly endemic species whose taxonomic status or identity requires further analysis;

"*ex situ* conservation" means the conservation of components of biological diversity outside their natural habitats;

"general development order" means general development orders issued under the General Development Order, 1997*;

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"genetic material" means any material of plant, animal, microbial or other origin containing functional units of heredity;

"genetic resources" means genetic material of actual or potential value;

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

"*in situ* conditions" means conditions where genetic resources exist within ecosystems and natural habitats, and, in the case of domesticated or cultivated species, in the surroundings where they have developed their distinctive properties;

"*in situ* conservation" means the conservation of ecosystems and natural habitats and the maintenance and recovery of viable populations of species in their natural surroundings and, in the case of domesticated or cultivated species, in the surroundings where they have developed their distinctive properties;

"invasive species" means an alien species whose establishment and spread threatens local biodiversity;

"migratory species" means the entire population or any geographically separate part of the population of any species or lower taxon of wild animals, a significant proportion of whose members cyclically and predictably cross one or more national jurisdictional boundaries;

"the Minister" means the Minister responsible for the environment;

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

"natural habitat types" means such habitat types listed in Schedule I and include those natural habitats:

- (a) which are in danger of disappearance in their natural range; or
- (b) which have a small natural range following their regression or by reason of their intrinsically restricted area; or
- (c) which present outstanding examples of typical characteristics of one or more of the seven following biogeographical regions: Alpine, Atlantic, Boreal, Continental, Micronesian, Mediterranean and Pannonian; or
- (d) those natural habitats types included in international treaties to which Malta is signatory or party;

"Pan-European Ecological Network" means a coherent Euro-Mediterranean ecological network of special areas of conservation, and includes, amongst others, the National Ecological Network, the Emerald Network, set up in line with the obligations of the

Convention on the Conservation of European Wildlife and Natural Habitats, the List of Specially Protected Areas of Mediterranean Interest set up by the Protocol concerning Specially Protected Areas and Biological Diversity in the Mediterranean, and the Agreement States' Natura 2000 Network;

"permit" means a permission issued in terms of these regulations;

"protected sites" include special areas of conservation (SACs) and special protection areas (SPAs) declared through the provisions of these regulations;

"priority natural habitat types" means natural habitat types in danger of disappearance which are present in the territory referred to in regulation 2(1) and for the conservation of which Malta as a Member State has particular responsibility in view of the proportion of their natural range falling in the territory referred to in regulation 2(1); these priority natural habitat types are indicated by an asterisk (*) in Schedule I;

"priority species" means endangered species for the conservation of which Malta as a Member State has particular responsibility in view of the proportion of their natural range falling in territory referred to in regulation 2(1); these priority species are indicated by an asterisk (*) in Schedule II;

"rare" means a species with small populations that are not at present endangered or vulnerable, but are at risk. This includes species located within restricted geographical areas or that are thinly scattered over a more extensive range;

"related regulations" includes the Filfla Nature Reserve Act, the Fungus Rock (il-Ġebbla tal-General) Nature Reserve Regulations, the Reptiles (Protection) Regulations, the Selmunett Islands (St. Paul's Islands) Nature Reserve Regulations, the Trees and Woodland (Protection) Regulations, the Marine Mammal (Protection) Regulations, and the Conservation of Wild Birds Regulations, and including any other related legislation;

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"re-introduction" means the deliberate or accidental release of an organism into the environment of a given site or territory, which site or territory forms part of the natural distribution area of the organism in question. The said organism belongs to an extinct or endangered native species or taxon, which has previously been observed as a naturally occurring and self-sustaining population in historical times, but which has declined or disappeared as a result of human intervention or a natural disaster;

"site" means a geographically defined area whose extent is clearly delineated, and includes the sea;

"site of Community importance" means a site which, in the biogeographical region or regions to which it belongs, contributes significantly to the maintenance or restoration at a favourable conservation status of a natural habitat type in Schedule I or of a species in Schedule II and may also contribute significantly to the coherence of Natura 2000; and, or to the maintenance of biological diversity within the Mediterranean biogeographic region;

"special area of conservation" or "SAC" means a protected area,

and may either be of National Importance or of International Importance;

"special area of conservation of National Importance" means a site designated under these regulations and which contributes significantly to the coherence of the National Ecological Network and the maintenance of biological diversity within Malta;

"special area of conservation of International Importance" means a site designated through a statutory, administrative and, or contractual act, in the biogeographical region or regions to which it belongs, and where conservation measures are applied for the maintenance or restoration, at a favourable conservation status of a natural habitat type in Schedule I or of a species in Schedule II;

S.L. 549.42 "special protection area" or "SPA" means an area designated for birds listed in Schedule I to the Conservation of Wild Birds Regulations;

"species of biogeographical importance" means any species found in the Maltese Islands which is or possibly is of a relict nature or whose restricted distribution in the Mediterranean, and that contributes to the understanding of the spatial patterns of biodiversity in Malta, the Mediterranean, Europe and North Africa;

"species of Community interest" means species within the territory referred to in regulation 2(1) that are endangered, vulnerable, rare, endemic, or species requiring particular attention, or a priority species. Such species are listed or may be listed in either Schedule II or Schedule V, or in both;

"species requiring particular attention" means species which by reason of the specific nature of their habitat and, or the potential impact of their exploitation on their habitat and, or the potential impact of their exploitation on their conservation status, may be at risk of becoming endangered;

"specimen" means any animal or plant, in any stage of its life cycle, whether alive or dead, of the species listed in Schedules V, VI, VII and VIII, whether whole or in part, whether in the original form or after having undergone any transformation, and includes any construction made by them. It includes any part or derivative thereof, as well as any other goods which appear, from an accompanying document, the packaging or a mark or label, or from any other circumstances, to be parts or derivatives of animals or plants of those species;

"sustainable use" means the use of components of biological diversity in a way and at a rate that does not lead to the long-term decline of biological diversity, thereby maintaining its potential to meet the needs and aspirations of present and future generations;

"vulnerable" means a species believed or that is likely to become endangered in the near future if the causal factors continue operating.

Administration.

4. The competent authority shall be responsible for the administration and implementation of these regulations.

PART II

ECOLOGICAL NETWORKS

5. (1) The competent authority shall set up a coherent ecological network of protected areas under the title of the National Ecological Network. Setting up of the National Ecological Network.

(2) Such network shall be composed of sites characterised by one or more of the following features:

- (a) representative types of biodiversity of adequate size to ensure their long-term viability and to maintain their biological diversity;
- (b) habitats which are in danger of disappearing in their natural area of distribution or which have a reduced natural area of distribution as a consequence of their regression or on account of their intrinsically restricted area;
- (c) habitats critical to the survival, reproduction and recovery of endangered, threatened or endemic species of flora or fauna listed in Schedules II and III;
- (d) any site where certain endemic, possibly endemic, native and, or potentially native species with a restricted distribution in the Maltese Islands occur;
- (e) any site in the Maltese Islands where certain endemic, possibly endemic, native and, or potentially native species, communities and, or biotopes are found;
- (f) any site which represents the type locality of a species or biotope, particularly if this species or biotope is endemic or possibly endemic;
- (g) sites of particular importance because of their scientific, ecological, biodiversity, biogeographical, zoological, botanical, aesthetic, cultural, landscape or educational interest;
- (h) sites forming part of the Natura 2000 network, set up through the provisions of regulation 6;
- (i) any site which the competent authority may consider as having relevant features but which are not listed above.

6. (1) The competent authority shall also contribute to the setting up of a coherent European ecological network of special areas of conservation, established under the title of Natura 2000 by way of Article 3 of the European Council Directive 92/43/EEC of 21 May 1992 on the Conservation of Natural Habitats and of Wild Fauna and Flora. Natura 2000.

This network shall include -

- (a) sites designated as special areas of conservation of international importance in terms of these regulations;
- (b) sites designated as special protection areas in terms of these regulations;

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- (c) sites hosting the natural habitat types listed in Schedule I;
 - (d) sites hosting the bird species listed in Schedule I to the Conservation of Wild Birds Regulations;
 - (e) habitats of the species listed in Schedule II,

and shall enable the natural habitat types and the species' habitats concerned to be maintained or, where appropriate, restored at a favourable conservation status in their natural range.

(2) The competent authority shall contribute to the creation of Natura 2000:

- (a) in proportion to the representation within its territory of natural habitat types and the habitats of species referred to in subregulation (1);
- (b) by designating relevant sites as special areas of conservation of international importance or special protection areas, taking account of the objective set out in subregulation (1), in accordance with Part III to these regulations.

Ecological coherence of Natura 2000.

7. Where considered necessary, the competent authority may improve the ecological coherence of Natura 2000 by maintaining, and where appropriate developing, features of the landscape, which are of major importance for wild fauna and flora, as referred to in regulation 14(9).

Designation of Special Areas of Conservation.

8. (1) With the aim of extending the European ecological network, and also on the basis of these regulations, the competent authority shall propose, to relevant international institutions or organisations, the list of SACs of International Importance to be compiled in accordance with the provisions of regulation 9.

(2) The list shall be transmitted to the relevant international institutions, organisations and Agreement States, together with information on each site. This information shall include a map of the site, its name, location, extent and the data resulting from the application of these regulations.

PART III

PROTECTED SITES

Selection of sites eligible for identification as SACs of national or of international importance.

9. (1) On the basis of the criteria set out in Schedule IV (Stage 1) and relevant scientific information, the competent authority shall, from time to time, propose a list of sites indicating with respect to each site which natural habitat types in Schedule I and which species in Schedules II and III that are native to Malta are hosted by the sites in question:

Provided that for animal species ranging over wide areas these sites shall correspond to the places within the natural range of such species which present the physical or biological factors essential to their life and reproduction:

Provided also that for aquatic species, which range over wide areas, such sites will be proposed only where there is a clearly identifiable area representing the physical and biological factors

essential to their life and reproduction.

(2) Once a site has been identified by the competent authority in accordance with the procedure laid down in the provisions of Schedule IV, the competent authority shall designate that site as a Special Area of Conservation as soon as possible, establishing priorities in the light of the importance of the sites:

- (a) for the maintenance or restoration, at a favourable conservation status, of a natural habitat type in Schedule I;
- (b) for the maintenance or restoration, at a favourable conservation status, of a species in Schedule II;
- (c) for the coherence of the Natura 2000 Network and the Pan-European Ecological Network;
- (d) with respect to the threats of degradation or destruction to which those sites and species they support are exposed.

(3) The competent authority shall furthermore distinguish between those special areas of conservation, which, in the opinion of the competent authority, are of National Importance or International Importance.

10. (1) Bird species mentioned in Schedule I of the Conservation of Wild Birds Regulations are to be subject to special conservation measures concerning their habitat in order to ensure their survival and reproduction in their area of distribution.

Species subject to special conservation measures.
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(2) In order to implement subregulation (1), the competent authority shall, in particular, classify the most suitable territories in number and size as Special Protection Areas for the conservation of these species, taking into account their protection requirements in the land and marine areas of Malta.

Declaration of Special Protection Areas.

(3) Such areas are to take into account species listed in Schedule I to the Conservation of Wild Birds Regulations that are in danger of extinction, species vulnerable to specific changes in their habitat, species considered rare because of small populations or restricted local distribution and other species requiring particular attention for reasons of the specific nature of their habitat. Trends and variations in population levels shall be taken into account as a background for evaluations.

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(4) The competent authority shall take similar measures for regularly occurring migratory species not listed in Schedule I to the Conservation of Wild Birds Regulations, bearing in mind their need for protection in the land and marine areas of Malta, as regards their breeding, moulting and wintering areas and staging posts along their migration routes. To this end, the competent authority shall pay particular attention to the protection of wetlands and particularly to wetlands of international importance.

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11. (1) Upon the identification of a site as a SAC or SPA by the competent authority in accordance with the provisions of regulations 9 and 10, the competent authority shall publish such details of such site or sites in the Gazette or in a local newspaper.

Publication of protected sites.

(2) As soon as the competent authority either places a site on the list referred to in regulation 9(1), or is declared as a SAC or SPA in terms of subregulation (1), it shall be subject to the provisions of these regulations.

Notification to owners.
Amended by:
L.N. 94 of 2010.

12. (1) The competent authority shall also notify any one of the owners of any site designated as a SAC or SPA of its inclusion in the list, and shall also affix such a notice on site. If none of such owners is known, or if it is not reasonably possible to effect service on such owners, the said notice shall only be affixed on site and no service on such owners as aforesaid need be made.

Registration.

(2) The protected site list shall be registered in an index held for the purpose specified in subregulation (1). The said index shall be held in an electronic form in such a way that research to determine the status of a site may be carried out. The Authority shall keep a copy of the said index in the office of the Land Registry and shall issue a certificate, which indicates the status of a particular site on the payment of such fee as may be prescribed.

(3) For the purpose of this regulation, "site" shall also include a single property of more than one property, irrespective of who is the owner of that property, which forms part of the site, which is, designated a SAC or SPA.

(4) The competent authority or site managers as authorised by the competent authority and, or holding a management agreement in line with regulations 15 and 16, shall also affix an information panel at any site declared as a SAC or SPA to provide general information on the site. This panel shall be affixed on the site by the 30th November, 2015.

Competent authority to issue guidelines.

13. (1) The competent authority shall issue guidelines for the management and conservation of protected sites.

(2) The protected sites may be zoned by the competent authority in such a way as to have different categories of protected sites, according to the management requirements set by the competent authority.

(3) Each protected site may be encircled by the competent authority by a buffer zone or a management area:

Provided that such buffer zone or management area may contain representative communities or species worth of protection, and may not necessarily be a rural area. It may also include, man-made or man-induced ecosystems, which are subject to the same or limited management provisions as the categorised protected site or sites.

(4) The competent authority shall ensure that the buffer zone should be large enough to screen, minimise and, or absorb the impact of detrimental activities occurring in nearby non-protected sites.

(5) The protection of protected sites may be further achieved either through the publishing of relevant regulations under the Act or related Acts, or via administrative and, or contractual agreements made with the competent authority.

14. (1) The competent authority shall establish the necessary conservation measures required for protected sites.

Management plans and appropriate action for conservation.

(2) The competent authority shall take appropriate steps to avoid, in the protected sites, the deterioration of natural habitats and the habitats of species, as well as the disturbance of the species for which the areas have been designated, in so far as such disturbance could be significant in relation to the objectives of these regulations.

(3) In relation to SPAs, the competent authority shall also strive to avoid pollution or deterioration of habitats outside the SPAs.

(4) The competent authority may issue a management plan for the said protected sites, which shall include planning, management, supervision and monitoring measures in line with the protection category or categories assigned to the protected site in question. Such measures may include for each protected site as appropriate:

- (a) a long-term ecological vision for the protected site and the related terrestrial, coastal and marine communities, and provisions for biodiversity protection, zoning, public awareness and education, management, performance evaluation and any other activities required by the competent authority;
- (b) the legal and institutional framework and protection measures applicable;
- (c) the continual monitoring of ecological processes, habitats, population dynamics, landscapes, as well as the impact of human activities;
- (d) the active involvement of local communities and populations, as appropriate, in the management of the protected site, including assistance to local inhabitants who might be affected by the establishment of such area;
- (e) the adoption of mechanisms for financing the promotion and management of the protected site, as well as the development of activities which ensure that management is compatible with the objectives of conservation of such area;
- (f) the regulation of activities compatible with the objectives for which the protected site was established and the terms of the related permits; and
- (g) the training of managers and qualified technical personnel, as well as the development of an appropriate infrastructure for its management.

(5) The competent authority shall promote and enforce the management of the protected site and its use in a sustainable manner, depending on the categories of protected site included in the protected site:

Provided that such management or use shall not compromise the structure and function of biodiversity, including the land areas, coastal areas, submerged lands and water column,

with which they are associated.

(6) The competent authority shall review the management plans of each SAC or SPA at least every five years, and regularly assess the state of the protected site and the progress made in the implementation of the management plan and these regulations.

(7) The competent authority shall ensure that national management plans or contingency plans incorporate measures for responding to incidents that could cause damage or constitute a threat to the protected site.

(8) When protected sites covering both land and marine areas have been established, the competent authority shall endeavour to ensure the coordination of the administration and management of the protected site as a whole.

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(9) For the purposes of the Development Planning Act and with respect to development plans or supplementary planning guidance prepared as a consequence thereto, the competent authority shall endeavour to develop policies in respect of the conservation of the natural beauty and amenity of the land which are of major importance for wild fauna and flora, with a view to improving the ecological coherence of the National Ecological Network, the Natura 2000 Network and the Pan-European Ecological Network.

Management agreement.

15. (1) For the purposes of implementing the management plans as aforesaid for protected sites, the competent authority may enter into a management agreement with every owner, lessee or occupier of land forming part of such areas for the management, conservation, restoration or protection of the site, or any part of it.

(2) A management agreement may provide for:

(a) the management of the land, whether in public ownership or in private ownership, and for the carrying out thereon of such work and the doing thereon of such other things as may be expedient for the purposes of conservation:

Provided that in the case of land in public ownership the consent of the Commissioner of Land is obtained beforehand;

(b) any of the matters mentioned in paragraph (a) being carried out, or for the costs thereof being defrayed, either by the said owner or other persons or by the competent authority or through monies made available through the Environment Fund, or partly in one way and partly in another.

(3) Such a management agreement shall be registered in the land registry and shall be enforceable at the instance of the competent authority against any person having an interest in the land and against any person deriving title from him.

Continuation in force of existing management agreements.

16. Any management agreement previously entered into by the competent authority or by government in relation to a site, which on or after the commencement of these regulations becomes a special area of conservation, shall have effect as if entered into

under regulation 15.

17. (1) The competent authority may make in respect of any site, within a protected site, a conservation order to contribute towards ensuring the protection of biodiversity through the conservation of natural habitats and of wild flora or fauna and to maintain and restore natural habitats and species of wild flora and fauna or geological, geomorphological or physiographic features. The conservation order shall specify those operations or activities which appear to the competent authority likely to destroy or damage the flora, fauna, or habitat by reason of which the site is a protected site, including its geological, geomorphological or physiographic features.

Power to make conservation orders.

(2) The competent authority shall publish such details of such a conservation order in the Gazette and in a local newspaper. The competent authority shall also notify any one of the owners of any site subject of a conservation order, and shall also affix such a notice on site. If none of such owners is known, or if it is not reasonably possible to effect service on such owners, the said notice shall only be affixed on site and no service on such owners as aforesaid need be made. Notice of such conservation order shall be registered in an index held for that purpose. The said index shall be held in an electronic form in such a way that researches to determine whether a site is subject to an order may be carried out. The Authority shall keep a copy of the said index in the office of the Land Registry and shall issue a certificate, which indicates the status of a particular site on the payment of such fee as may be prescribed.

(3) A conservation order made under this regulation may contain such conditions and other provisions, as the competent authority may deem necessary or expedient; and a conservation order may regulate any matter affecting the site. Conservation orders may be amended or revoked by a further order.

(4) In respect of any site within a special conservation area, the competent authority shall also have power to require the owner, by notice in writing, to undertake such works generally, or as may be specified in the notice, as may be necessary to ensure that no further deterioration occurs. In default, the competent authority may give a further notice to the owner to carry out and complete the works within a specified time, and if the owner is still in default it may itself carry out, or cause to be carried out, the necessary works and recover the cost thereof from the owner of the site.

(5) For the purpose of this regulation, "site" includes a single property of more than one property, irrespective of who is the owner of that property, which forms part of the site, which is subject to a conservation order.

18. (1) No person shall carry out on any site within a special area of conservation, any operation or activity, unless the operation or activity is carried out, or caused or permitted to be carried out, by the owner or occupier of the site and one of them has given the competent authority written notice of a proposal to carry out the operation or activity, specifying its nature and the site on which it

Restrictions on operations and activities.

is proposed to carry it out.

(2) The competent authority shall notify the applicant of its consent or otherwise for the carrying out of such operation or activity. A consent granted by the competent authority under this regulation may contain such conditions and other provisions it deems fit and appropriate to impose. The competent authority may furthermore regulate such an operation or activity in a management agreement validly entered into in accordance with the provisions of regulation 15.

(3) For the purpose of this regulation, "operation or activity" refers to any operation or activity related to development, or any endeavour, which is envisaged to have impact on biodiversity and the SAC.

Supplementary provisions as to consents.

19. (1) Where it appears to the competent authority that an application for consent under these regulations relates to an operation or activity which is or forms part of a plan or project which -

- (a) is not directly connected with or necessary to the management of the protected site, and
- (b) is likely to have a significant effect thereon, either individually or in combination with other plans or projects,

the competent authority shall make, or require the applicant to make, an appropriate assessment, of the implications of the operation or activity on the site in view of the site's conservation objectives.

In the light of the conclusions of the assessment of the implications for the site and subject to the provisions of subregulation (2), the competent authority may give consent to the operation or activity only after having ascertained that the plan or project will not adversely affect the integrity of the site concerned and if appropriate, after having obtained and taken into account the opinion of the general public and representations made within such reasonable time as the competent authority may specify.

(2) If, in spite of a negative assessment of the implications for the site and the competent authority being satisfied that there being no alternative solutions, a plan or project must nevertheless be carried out for imperative reasons of overriding public interest, which subject to the subsequent subregulation, may be of a social or economic nature, the competent authority may give its consent for the operation or activity to be carried out.

(3) Where the competent authority gives such consent under this regulation, it shall take all compensatory measures necessary to ensure that the overall coherence of Natura 2000 is protected. It shall inform the Commission of the compensatory measures adopted.

(4) Where the SAC concerned hosts a priority natural habitat type and, or a priority species, the reasons referred to in the previous subregulation must be either:

- (a) reasons relating to human health, public safety or beneficial consequences of primary importance for the environment, or
- (b) other reasons which in the opinion of the Commission are imperative reasons of overriding public interest.

20. The provisions of regulation 19 shall *mutatis mutandis* apply in the consideration of applications for development permission affecting protected sites and on determining a reconsideration or appeal under the provisions of the Development Planning Act. Similarly an outline development permit shall not be granted unless the competent authority is satisfied (whether by reason of the conditions and limitations to which the outline permission is to be made subject, or otherwise) that no development that is likely to effect the integrity of the protected site in an adverse manner could be carried out under the permission, whether before or after obtaining approval of any reserved matters.

Development permission.

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21. (1) It shall be a condition of any development consent granted or deemed to be granted by the provisions of the Development Notification Order or by a General Development Order issued by the competent authority, whether made before or after the coming into force of these regulations, that development which -

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- (a) is likely to have a significant effect on the protected site (either alone or in combination with other plans or projects), and
- (b) is not directly connected with or necessary to the management of the site,

shall not commence or continue until the developer has received written notification of the consent of the competent authority under regulation 22.

(2) The provisions of this regulation shall not apply to such sites designated as a SAC of national importance.

22. (1) Where it is intended to carry out development in reliance upon the consent granted or deemed to be granted by the provisions of the Development Notification Order or by a General Development Order issued by the competent authority, an application shall be made in writing to the competent authority.

Development Notification Order and General Development Orders approval of competent authority.
S.L. 552.08

(2) The application shall:

- (a) give details of the development which is intended to be carried out; and
- (b) be accompanied by any fee required to be paid.

(3) The competent authority shall consider the application in accordance with the provisions of regulation 21.

(4) Where the competent authority considers that it has sufficient information to conclude that the development will, or will not have such an effect, it may proceed to make, or require the applicant to make an appropriate assessment of the implications of

the development for the special area of conservation in view of the site's conservation objectives.

(5) If the competent authority considers that it has insufficient information to reach either of these conclusions, it shall notify the applicant in writing indicating in what respects it considers the information insufficient; and the applicant may supply further information with a view to enable the competent authority to reach a decision on the application.

(6) In the light of the conclusions of the assessment referred to in subregulation (4), the competent authority shall approve the development only after having ascertained that it will not adversely affect the integrity of the site.

(7) The provisions of this regulation shall not apply to such sites designated as a SAC of national importance.

Other powers.

23. (1) The competent authority may, having regard to the provisions of these regulations and other material considerations, by notice served on the owner or occupier of any site, require any existing use or activity or any works to be discontinued or any building, plant, equipment or other thing whatsoever to be removed from any site, or requiring both such discontinuance and removal.

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(2) Where a discontinuance or removal order is made in respect of any activity, works or use, or of a building, plant, equipment or other thing lawfully carried on or in existence on the site mentioned in the notice before the commencement of these regulations, or which was started or came into existence after the commencement of these regulations in accordance with a development permission issued under the Development Planning Act, the competent authority shall be liable to pay compensation for any losses sustained as a result of the notice:

Provided that any benefits derived from the same notice shall be offset against the losses aforesaid.

PART IV
PROTECTION OF SPECIES

Protection of flora.

24. (1) No person shall deliberately pick, collect, cut, uproot, destroy or damage in any way any specimen of species of flora listed in Schedules V (b) and VI (b).

S.L. 549.38

(2) Without prejudice to the Trade in Species of Fauna and Flora Regulations, no person shall keep, transport, sell or exchange by any method, import or export any specimen of species of flora listed in Schedules V (b) and VI (b) unless he is in possession of a prior official permit from the competent authority or Director as appropriate.

(3) The prohibitions referred to in subregulations (1) and (2) shall apply to all stages of the biological cycle of the plants to which this regulation applies.

Protection of fauna.
S.L. 549.38

25. (1) Without prejudice to the related regulations and the Trade in Species of Fauna and Flora Regulations:

- (a) no person shall pursue, take or attempt to take, deliberately capture or kill or attempt to kill, deliberately destroy, keep, transport, by any method sell, buy, exchange, offer for sale or for exchange, import or export any specimen of species listed in the Schedules V (a) and VI (a), except for those taken legally before these regulations came into force, and unless he is in possession of a prior official permit from the competent authority or Director as appropriate;
- (b) no person shall deliberately disturb any species listed in Schedules V (a) and VI (a) particularly during periods of breeding, rearing, hibernation and migration;
- (c) the destruction and deterioration of breeding sites or resting places for those animal species listed in Schedules V (a) and VI (a) is prohibited;
- (d) the prohibition referred to in paragraphs (a), (b) and (c) shall apply to all stages of life of the animals to which this regulation applies;
- (e) the deliberate destruction or taking off eggs from the wild is also prohibited.

(2) The competent authority shall set up a system to monitor the incidental capture and killing of the animal species listed in Schedules V (a) and VI (a).

In the light of the information gathered, the competent authority shall carry out further research or conservation measures as required to ensure that incidental capture and killing does not have a significant negative impact on the species concerned.

26. (1) All endemic species are protected, except for those species listed in Schedule X.

Protection of endemic species.

(2) Without prejudice to regulations 24 and 25, the related regulations and the Trade in Species of Fauna and Flora Regulations, no person shall deliberately pick, collect, cut, uproot, destroy, pursue, take or attempt to take, damage in any way, capture, kill or attempt to kill, keep, transport, by any method sell, buy, exchange, offer for sale or for exchange, import or export any specimen of all endemic species not listed in Schedule X, unless he is in possession of a prior official permit from the competent authority or Director as appropriate.

Related regulations.
S.L. 549,38

(3) No person shall deliberately disturb any endemic species, except for those species listed in Schedule X, particularly during periods of reproduction, seeding, fruiting and fruit-shedding, breeding, rearing, hibernation or migration.

(4) The prohibition referred to in subregulations (2) and (3) shall apply to all stages of life and biological cycle of the flora or fauna to which this regulation applies.

27. (1) If, in the light of the surveillance provided for in these regulations the competent authority deems it necessary, it shall take

Control of exploited species.

any measures to ensure that the taking in the wild of specimen of species of wild fauna and flora listed in Schedules VII and VIII as well as their exploitation is compatible with their being maintained at a favourable conservation status.

- (2) Such measures may also include in particular:
- (a) temporary or local prohibition of the taking of specimen in the wild and exploitation of certain populations;
 - (b) regulation of the periods and, or methods of taking specimen;
 - (c) application, when specimen are taken, of hunting and fishing rules which take account of the conservation of such populations;
 - (d) establishment of a system of licences for taking specimen or of quotas;
 - (e) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimen;
 - (f) breeding in captivity of animal species as well as artificial propagation of plant species, under strictly controlled conditions, with a view to reducing the taking of specimen of the wild;
 - (g) any other measure deemed necessary by the competent authority; and
 - (h) an assessment of the effect of the measures adopted.

PART V

INTRODUCTION AND RE-INTRODUCTION OF SPECIES

Control of alien
species.
S.L. 549.38

28. (1) Without prejudice to regulation 6(1) and (2) of the Trade in Species of Fauna and Flora Regulations, the competent authority may prohibit the importation and, or keeping of any species of flora and fauna, if in its opinion, this importation and, or keeping can harm or lead to the endangering of biodiversity of Malta, or for other reasons in the national interest.

S.L. 549.42

(2) Without prejudice to the Conservation of Wild Birds Regulations, the competent authority may take all necessary measures to prevent, control, and monitor the introduction of organisms belonging to alien species with the potential to establish populations into the environment and, or prejudice the local flora and fauna.

(3) Without prejudice to subregulations (1) and (2), and in order to implement further subregulations (1) and (2), the competent authority shall compile and publish a list of those species that are invasive or deemed to be invasive to Malta.

(4) No person shall import and, or keep any species in the list mentioned in subregulation (3).

(5) Without prejudice to regulation 43, no person shall deliberately release or attempt to release, maintain and, or in any way intentionally assist the establishment or potential

establishment, of a species included in the list referred to in sub-regulation (3), into natural habitats without prior authorisation by the competent authority, or allow the escape of such species into natural habitats as a result of negligence.

(6) The competent authority may develop eradication or control plans and related programmes aimed at monitoring, preventing and controlling the introduction of established alien species, invasive species and those alien species with the potential to establish populations and become invasive into the environment.

(7) The competent authority may issue guidelines on the keeping, monitoring, prevention, control, and eradication measures of established alien species.

29. (1) The competent authority shall carry out a study to assess the desirability of re-introducing species in Schedules II and III that are native to Malta, where this might contribute to their conservation.

Re-introduction of species.

(2) Prior to re-introducing a species into the natural environment, particularly if it is an endemic species or a species listed in Schedules II, III, V and VI, or any species of bird which does not occur in the wild state in Malta, the competent authority shall commission, or request to be commissioned, a study to establish whether such re-introduction contributes effectively to re-establishing such species at a favourable conservation status.

(3) Such study is to take into account the experience of Agreement States.

(4) The competent authority shall carry out any re-introduction only after proper consultation with public concerned.

30. Without prejudice to the provisions of regulation 49, the competent authority shall take all possible measures, where practical, for the return of protected specimen from the person illegally keeping the specimen. All expenses made in connection with the carrying out of such measures should be borne by the person, persons or body found guilty of illegal possession and trade.

Return of protected species.

PART VI

CAPTURE AND KILLING METHODS

31. (1) The competent authority shall prohibit the use of indiscriminate means and forms of capture capable of causing local disappearance of, or serious disturbance to, populations of mammals and fish listed in Schedule XI.

Prohibited use of means of capture and killing and modes of transport.

(2) The use of the means of capture and killing listed in Schedule XII (a) is prohibited.

(3) Any form of capture and killing from modes of transport referred to in Schedule XII (b) is prohibited.

PART VII

CONSERVATION AND SUSTAINABLE USE

Strategy and
programme
development.

S.L. 549.27

In situ
conservation.

Ex situ
conservation.

32. The competent authority shall:

- (a) develop a national strategy and other relevant policies and plans, action plans and related programmes aimed for the conservation and sustainable use of biodiversity;
- (b) adapt existing strategies, plans or programmes to reflect, *inter alia*, the measures set out in these regulations, the related regulations and the Convention on Biological Diversity (Incorporation) Regulations;
- (c) as far as possible and as appropriate, integrate the conservation and sustainable use of biodiversity into relevant sectoral or cross-sectoral plans, programmes and policies; and
- (d) promote the integration of conservation policies and sustainable use of biodiversity in plans, programmes and policies prepared by other authorities.

33. The competent authority shall, as far as possible and as appropriate:

- (a) rehabilitate and restore degraded ecosystems and promote the recovery of threatened species, *inter alia*, through the development and implementation of plans or other management strategies;
- (b) prevent the introduction of, control or eradicate those alien species which threaten ecosystems, habitats or species, in line with the provisions set in these regulations and the related regulations; and
- (c) endeavour to provide the conditions needed for compatibility between present uses and the conservation of biological diversity and the sustainable use of its components.

34. The competent authority shall, as far as possible and as appropriate, and predominantly for the purpose of complementing *in situ* measures:

- (a) promote measures for the *ex situ* conservation of components of biological diversity, preferably in the country or island of origin of such components;
- (b) promote the establishment and maintenance of facilities for *ex situ* conservation of and research on plants, animals and micro-organisms;
- (c) adopt measures for the recovery and rehabilitation of threatened species and for their re-introduction into their original natural habitats under appropriate conditions; and
- (d) regulate, manage or liaise with managers of biological resource collections for *ex situ* conservation purposes

so as not to threaten ecosystems and in situ populations of species, except where special temporary *ex situ* measures are required under paragraph (c).

35. The competent authority shall, as far as possible and as appropriate:

Sustainable use of components of biological diversity.

- (a) take measures to integrate consideration of the conservation and sustainable use of biological resources into national decision-making;
- (b) adopt codes of practice, guidelines or measures relating to the use of biological resources so as to avoid or minimise adverse impacts on biodiversity;
- (c) protect and encourage customary use of biological resources in accordance with traditional cultural practices that are compatible with conservation or sustainable use requirements;
- (d) support local populations to develop and implement remedial actions in degraded areas where biological diversity has been reduced; and
- (e) encourage co-operation between governmental authorities and private sector in developing methods for sustainable use of biological resources.

PART VIII

ACCESS TO GENETIC RESOURCES

*Substituted by:
L.N. 379 of 2016.*

36. (1) Without prejudice to the Trade in Species of Fauna and Flora Regulations, and the Access to Genetic Resources and the Fair and Equitable Sharing of Benefits arising from their Utilisation Regulations and the related regulations, access to wild fauna and flora to countries other than Malta shall be subject to prior informed consent of the competent authority, provided that wild birds and pathogens are excluded from this provision.

Access to genetic resources.
*Substituted by:
L.N. 379 of 2016.
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S.L. 549.111*

(2) Access, where granted, shall be on mutually agreed terms and subject to the provisions of the Access to Genetic Resources and the Fair and Equitable Sharing of Benefits arising from their Utilisation Regulations.

S.L. 549.111

37. For the purpose of these regulations, the genetic resources being provided by Malta are only those genetic resources for which Malta is the country of origin or that Malta is a country providing genetic resources, having acquired such genetic resources in accordance with the provisions of the United Nations Convention on Biological Diversity, done at Rio de Janeiro on the fifth day of June 1992.

Nature of genetic resources.
*Substituted by:
L.N. 379 of 2016.*

PART IX

SURVEILLANCE AND MONITORING

38. The competent authority shall, as far as possible and as appropriate, in particular for the purposes of these regulations and

Identification, surveillance and monitoring.

the related regulations:

- (a) undertake surveillance and monitoring of biodiversity and the conservation status of the natural habitats and species, with particular regard to priority natural habitat types and priority species;
- (b) identify components of biodiversity important for its conservation and sustainable use having regard to the indicative list of categories set down in Schedule IX;
- (c) monitor the components of biodiversity identified pursuant to paragraph (b), paying particular attention to those requiring urgent conservation measures and those which offer the greatest potential for sustainable use;
- (d) identify processes and categories of activities which have or are likely to have significant adverse impacts on the conservation and sustainable use of biological diversity, and monitor their effects;
- (e) assess the status, dynamics and seasonal movements of the populations of the protected species concerned; and
- (f) maintain and organise, by any mechanism, data derived from identification and monitoring activities pursuant to paragraphs (a), (b), (c) and (d).

National database on biodiversity.

39. (1) The competent authority shall set up national inventories aimed for the conservation and sustainable use of biodiversity, in order to maintain and organise data resulting from the application of these regulations and the related regulations.

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(2) As far as practically possible, these inventories shall be digitised and made freely available to the public, subject to the provisions of the Freedom of Access to Information on the Environment Regulations.

PART X

COMMUNICATIONS AND RESEARCH

Communications, education, public awareness.

40. (1) The competent authority shall promote education and general information on the need to protect species of wild fauna and flora and to conserve their habitats and natural habitats.

(2) In this respect, the competent authority, shall promote and encourage:

- (a) appropriate publicity to the establishment of protected sites, their boundaries, applicable regulations, and to protected species and their habitats;
- (b) the understanding of the importance of, and the measures required for, the conservation, protection and management of biodiversity;
- (c) the inclusion of biodiversity protection and management, the interest and value of protected sites and protected species, the scientific knowledge which

may be gained from the point of view of nature conservation, and other relevant points of view in appropriate education programmes;

- (d) the dissemination of information on biodiversity protection held by the competent authority, and that this is made available according to the provisions set by the Freedom of Access to Information on the Environment Regulations; S.L. 549.39
- (e) public participation in measures that are necessary for the protection of the areas and species concerned; and
- (f) co-operation, as appropriate, with national bodies and entities, Agreement States and international organisations in developing educational and public awareness programmes, with respect to conservation and sustainable use of biological diversity.

41. (1) The competent authority shall promote national and international research and scientific co-operation in the field of conservation and sustainable use of biological diversity, where necessary, through the appropriate national and international institutions. Research and scientific cooperation.

(2) The necessary research and scientific work with regards to the objectives and obligations of these regulations and the related regulations shall be encouraged. Particular attention is to be given to scientific work necessary for the implementation of regulations 5 to 29, taking into account transboundary co-operative research between countries.

42. The competent authority shall establish a clearing-house mechanism to promote and facilitate communication, education and public awareness, as well as technical and scientific research and co-operation, in line with provisions of these regulations, the related regulations, the Freedom of Access to Information on the Environment Regulations, and the Convention on Biological Diversity (Incorporation) Regulations. Establishment of a clearing-house mechanism.
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PART XI

PERMITTING AND PENALTIES

- 43.** The competent authority may issue a permit prior to: Permits.
- (a) the taking and, or keeping of any specimen,
 - (b) the introduction and, or re-introduction of species,
 - (c) the import and, or export of any specimen or species,
 - (d) *bona fide* scientific studies,
 - (e) *bona fide* educational studies, and
 - (f) without prejudice to the provisions of Part III of these regulations, on any operation or activity regulated through these regulations:
- Provided that the competent authority shall not issue such a permit if such activities threaten any specimen, protected site, sites or species of national importance

and of international importance or the biodiversity of Malta.

Derogations.

44. Further to regulation 43, provided that where there is no satisfactory alternative and a derogation to these regulations is not detrimental to the maintenance of the populations of the species concerned at a favourable conservation status in their natural range, the competent authority may derogate from the provisions of Part VI of these regulations, and, or Part IV of these regulations for the species listed in Schedules V and VII only, through a permit, and:

- (a) in the interest of protecting wild fauna and flora and conserving natural habitats;
- (b) to prevent serious damage, in particular to crops, livestock, forests, fisheries and water and other types of property;
- (c) in the interests of public health and public safety, or for other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment; or
- (d) for the purpose of research and education, of re-populating and re-introducing these species and for the breeding operations necessary for these purposes, including the artificial propagation of plants; or
- (e) to allow, under strictly supervised conditions, on a selective basis and to a limited extent, the taking or keeping of certain specimens of the species listed in Schedules IV (a) and V (a) in limited numbers specified by the competent authority.

Application criteria.

45. (1) The person requesting a permit for activities referred to in regulations 43 and 44, hereinafter referred to as the applicant, shall submit in writing an application to the competent authority prior to carrying out such activities.

(2) In order to enable the competent authority to assess a request for permission, the application:

- (a) shall be accompanied by the relevant documents and any other requisite information as specified and required by the competent authority;
- (b) shall indicate whether the application corresponds under any one of the following criteria:
 - are already proposed in an application for a permit, clearance or licence made under the Environment Protection Act or the Development Planning Act, which is still being processed, amended, reconsidered or appealed in accordance with any of the aforementioned Acts;
 - would prejudice the merits of such processing, reconsideration or appeal;

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- would prejudice the merits of a request for any clearance or licence required by the aforementioned Acts, or would prejudice the merits of an appeal from a decision thereon;
- are counter to the provisions of regulation 44;
- would prejudice any enforcement case, court case or other cases currently *sub judice*.

46. (1) The competent authority may amend, suspend or revoke any permit and, or other such authorisation instruments for activities that are consistent with these regulations.

Supplementary provisions.

(2) Whenever the competent authority issues a permit, it may impose such conditions, as it may deem fit and appropriate.

(3) Whenever the competent authority refuses such permission, it shall inform the applicant the reasons for such refusal.

(4) Without prejudice to any other obligations and conditions laid down by the competent authority, a permit holder is obliged to submit within a month from the expiry of the permit or at the end of the calendar year, whichever is the earliest:

- (a) a detailed report of the activities undertaken;
- (b) the aim and what field of work or activity was carried out;
- (c) the methodology employed;
- (d) the outcome and results achieved in connection with the permit.

(5) A copy of any published results and other publications relevant to this permit shall reach the competent authority within three months from the date of publication.

(6) The period of validity of such permit shall also be established at the discretion of the competent authority, provided that the validity of the permit does not exceed one calendar year.

(7) The competent authority shall not issue or renew any permit if the applicant in question has not fulfilled or honoured any of the conditions or obligations arising from any other permit issued by the competent authority under these regulations and, or the related regulations.

(8) The Director may, on behalf of the competent authority, in cases of emergency or grave danger, issue a temporary permit for any of the activities mentioned in regulations 43 and 44, and in so doing he may issue any such directives he may deem fit.

47. Details of persons, public entities and other institutions having been granted a permit in connection with these regulations together with the details of conditions imposed in such permissions shall be maintained in a register available for public inspection or maintained in electronic form.

Public register.

48. (1) Where its disclosure affects one or more of the items mentioned in the Freedom of Access to Information on the Environment Regulations, the applicant may indicate the

Confidential information.
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information in the permit application submitted pursuant to these regulations that should be treated as confidential. Verifiable justification must be given in such cases.

(2) The competent authority shall decide, after consultation with the applicant, which information shall be kept confidential and shall inform the applicant of its decision.

(3) In no case may the following information be kept confidential:

- (a) the name and address of the applicant,
- (b) the institution, if any, requiring the permit,
- (c) the species, biotope, natural habitat, site, area or SAC involved,
- (d) the aim and purpose of the application,
- (e) the benefits arising from the permit,
- (f) the possible impacts on local biodiversity, including the species, biotope, natural habitat, or area involved,
- (g) the evaluation of foreseeable effects, in particular any harmful effects on the environment.

(4) The competent authority shall not divulge to third parties any information decided to be confidential according to subregulation (2), and shall protect intellectual property rights relating to the data received.

(5) If, for whatever reasons, the applicant withdraws the application, the competent authority must respect the confidentiality of the information supplied.

Offences and penalties.
Amended by:
L.N. 426 of 2007.

49. (1) Any person -

- (a) who fails to observe the provisions of these regulations or of any other lawful order given by virtue of any provision of these regulations, or
- (b) who infringes any restriction, prohibition or need imposed by these regulations or by virtue thereof, or
- (c) who fails to observe any condition of a permit or consent granted under the provisions of these regulations, or
- (d) who acts in contravention of any provision of these regulations, or
- (e) who makes a statement or presents information or documentation, which such person knows to be false for the purpose of obtaining the approval of a permit or derogation in line with Part III, Part VI and, or regulation 43, or
- (f) who conspires or attempts to conspire, aids or attempts to aid, abets or attempts to abet, counsels or attempts to counsel, procures or attempts to procure any other person to contravene the provisions of these regulations, or to fail from complying with any one of these provisions, including any lawful order given by

virtue of any provision of these regulations, or to infringe any restriction, prohibition or need imposed by these regulations or by virtue thereof,

shall be guilty of an offence against these regulations.

(2) Any person who commits, or attempts to commit an offence against regulations 24, 25, 26, 28 and 29 of these regulations shall, on conviction, be liable:

- (a) in the case of a first offence, a fine (*multa*) of not less than four hundred and sixty-five euro and eighty-seven cents (€465.87) for each specimen, but not exceeding two thousand and three hundred and twenty-nine euro and thirty-seven cents (€2,329.37) for each specimen;
- (b) in the case of a second or subsequent offence, a fine (*multa*) of not less than one thousand and one hundred and sixty-four euro and sixty-nine cents (€1,164.69) for each specimen, but not exceeding four thousand and six hundred and fifty-eight euro and seventy-five cents (€4,658.75) for each specimen, or imprisonment for a period not exceeding two years, or both such fine and imprisonment:

Provided that any such fines do not together exceed the limits imposed by the Act.

(3) Any person who commits or attempts to commit an offence against regulations 19, 36, 43 and 48(3) shall, on conviction, be liable:

- (a) in the case of a first offence, a fine (*multa*) of not less than two thousand and three hundred and twenty-nine euro and thirty-seven cents (€2,329.37) but not exceeding twenty-three thousand and two hundred and ninety-three euro and seventy-three cents (€23,293.73);
- (b) in the case of a second or subsequent offence, a fine (*multa*) of not less than four thousand and six hundred and fifty-eight euro and seventy-five cents (€4,658.75), but not exceeding forty-six thousand and five hundred and eighty-seven euro and forty-seven cents (€46,587.47), or imprisonment for a period not exceeding two years, or both such fine and imprisonment.

(4) Any person who commits or attempts to commit an offence against regulation 14, shall on conviction be liable to a fine (*multa*) of not less than two thousand and three hundred and twenty-nine euro and thirty-seven cents (€2,329.37) and not exceeding fifty-eight thousand and two hundred and thirty-four euro and thirty-three cents (€58,234.33), and if the offender persists in the offence for more than three months, also to imprisonment for a term of not less than three months and not exceeding two years, provided that the minimum fine (*multa*) to which an offender is liable shall not be less than the value of any work carried out without permit or in violations of any conditions to which such permit was subject.

(5) The Court shall order the offender to remove the causes of the offence and to undo anything which was done without a permit within a time sufficient for the purpose, but in any case not exceeding three months from the date of judgement, to be fixed by the Court; and, if the offender fails to comply with any such order within the time so fixed, he shall be liable to a fine (*multa*) of not less than fifty-eight euro and twenty-three cents (€58.23) and not more than one hundred and sixteen euro and forty-seven cents (€116.47), as the Court may fix, for every day that the default continues after the expiration of the said time.

(6) Any person who has been found guilty of committing an offence against these regulations shall also pay for the expenses incurred for the keeping and transport of specimen, for remedying the damage caused by the said infringement, and for any other expense incurred or mitigation measures required to remedy such doings, damage and infringement.

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(7) The provisions of article 23 and 30(1) of the Criminal Code shall, *mutatis mutandis*, apply to proceedings in respect of offences against these regulations, so however that the disqualification from holding or obtaining a licence, permit or authority shall in no case be for less than one year.

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(8) Notwithstanding the provisions of article 370 of the Criminal Code, proceedings for an offence against these regulations shall be taken before the Court of Magistrates (Malta) or the Court of Magistrates (Gozo), as the case may be, and shall be in accordance with the provisions of the Criminal Code regulating the procedure before the said courts as courts of criminal judicature.

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(9) Notwithstanding the provisions of the Criminal Code, the Attorney General shall always have a right of appeal to the Court of Criminal Appeal from any judgement given by the Court of Magistrates (Malta) or the Court of Magistrates (Gozo), in respect of proceedings for any offence against these regulations.

PART XII

OTHER PROVISIONS

Non-applicability
of these
regulations.

50. The provisions of these regulations shall not apply in cases of defence and national security, public safety and health, salvage operations and the investigation of offences.

SCHEDULE I

Substituted by:
L.N. 162 of 2009;
L.N. 322 of 2013.

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

Guidance on the interpretation of habitat types is given in the latest updated version of the 'Interpretation Manual of European Union Habitats' as approved by the committee set up under Article 20 of Directive 92/43/EEC ('Habitats Committee') and published by the European Commission.

The code corresponds to the NATURA 2000 code.

The sign "*" indicates priority habitat types.

*1. COASTAL AND HALOPHYTIC HABITATS***11. Open sea and tidal areas**

1110 Sandbanks which are slightly covered by sea water all the time

1120 **Posidonia* beds (*Posidonion oceanicae*)

1130 Estuaries

1140 Mudflats and sandflats not covered by seawater at lowtide

1150 *Coastal lagoons

1160 Large shallow inlets and bays

1170 Reefs

1180 Submarine structures made by leaking gases

12. Seacliffs and shingle or stony beaches

1210 Annual vegetation of drift lines

1220 Perennial vegetation of stony banks

1230 Vegetated seacliffs of the Atlantic and Baltic Coasts

1240 Vegetated seacliffs of the Mediterranean coasts with endemic *Limonium* spp.

1250 Vegetated seacliffs with endemic flora of the Macaronesian coasts

13. Atlantic and continental salt marshes and salt meadows

1310 *Salicornia* and other annuals colonizing mud and sand

1320 *Spartina* swards (*Spartinion maritimae*)

1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)

1340* Inland salt meadows

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

1410 Mediterranean salt meadows (*Juncetalia maritimi*)

1420 Mediterranean and thermo-Atlantic halophilous scrubs (*Sarcocornetea fruticosi*)

1430 Halo-nitrophilous scrubs (*Pegano-Salsoletea*)

15. **Salt and gypsum in land steppes**
 1510 *Mediterranean salt steppes (*Limonietalia*)
 1520 *Iberian gypsum vegetation (*Gypsophiletalia*)
 1530 *Pannonic salt steppes and salt marshes
16. **Boreal Baltic archipelago, coastal and land upheaval areas**
 1610 Baltic esker islands with sandy, rocky and shingle beach vegetation and sublittoral vegetation
 1620 Boreal Baltic islets and small islands
 1630 *Boreal Baltic coastal meadows
 1640 Boreal Baltic sandy beaches with perennial vegetation
 1650 Boreal Baltic narrow inlets

2. COASTAL SAND DUNES AND INLAND DUNES

21. **Sea dunes of the Atlantic, North Sea and Baltic coasts**
 2110 Embryonic shifting dunes
 2120 Shifting dunes along the shoreline with *Ammophila arenaria* (“white dunes”)
 2130 *Fixed coastal dunes with herbaceous vegetation (“grey dunes”)
 2140 *Decalcified fixed dunes with *Empetrum nigrum*
 2150 *Atlantic decalcified fixed dunes (*Calluno-Ulicetea*)
 2160 Dunes with *Hippophaë rhamnoides*
 2170 Dunes with *Salix repens* ssp. *argentea* (*Salicion arenariae*)
 2180 Wooded dunes of the Atlantic, Continental and Boreal region
 2190 Humid dune slacks
 21A0 Machairs (*in Ireland)
22. **Sea dunes of the Mediterranean coast**
 2210 *Crucianellion maritimae* fixed beach dunes
 2220 Dunes with *Euphorbia terracina*
 2230 *Malcolmietalia* dune grasslands
 2240 *Brachypodietalia* dune grasslands with annuals
 2250 *Coastal dunes with *Juniperus* spp.
 2260 *Cisto-Lavenduletales* dunes sclerophyllous scrubs
 2270 *Wooded dunes with *Pinus pinea* and/or *Pinus pinaster*
23. **Inland dunes, old and decalcified**
 2310 Dry sand heaths with *Calluna* and *Genista*
 2320 Dry sand heaths with *Calluna* and *Empetrum nigrum*
 2330 Inland dunes with open *Coryephorus* and *Agrostis* grasslands
 2340 *Pannonic inland dunes

3. FRESHWATER HABITATS

31. **Standing water**
- 3110 Oligotrophic waters containing very few minerals of sandy plains (*Littorelletalia uniflorae*)
- 3120 Oligotrophic waters containing very few minerals generally on sandy soils of the West Mediterranean, with *Isoetes* spp.
- 3130 Oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea uniflorae* and/or of the *Isoëto-Nanojuncetea*
- 3140 Hardoligo-mesotrophic waters with benthic vegetation of *Chara* spp.
- 3150 Natural eutrophic lakes with *Magnopotamion* or *Hydrocharition*-type vegetation
- 3160 Natural dystrophic lakes and ponds
- 3170 *Mediterranean temporary ponds
- 3180 *Turloughs
- 3190 Lakes of gypsum karst
- 31A0 *Transylvanian hot-spring lotus beds
32. **Running water - sections of water courses with natural or semi-natural dynamics (minor, average and major beds) where the water quality shows no significant deterioration**
- 3210 Fennoscandian natural rivers
- 3220 Alpine rivers and the herbaceous vegetation along their banks
- 3230 Alpine rivers and their ligneous vegetation with *Myricaria germanica*
- 3240 Alpine rivers and their ligneous vegetation with *Salix eleagnos*
- 3250 Constantly flowing Mediterranean rivers with *Glaucium flavum*
- 3260 Water courses of plain to montane levels with the *Ranunculion fluitans* and *Callitricho-Batrachion* vegetation
- 3270 Rivers with muddy banks with *Chenopodion rubri* p.p. and *Bidention* p.p. vegetation
- 3280 Constantly flowing Mediterranean rivers with *Paspalo-Agrostidion* species and hanging curtains of *Salix* and *Populus alba*
- 3290 Intermittently flowing Mediterranean rivers of the *Paspalo-Agrostidion*
- 32A0 Tufa cascades of karstic rivers in the Dinaric Alps
4. TEMPERATE HEATH AND SCRUB
- 4010 Northern Atlantic wet heaths with *Erica tetralix*
- 4020 *Temperate Atlantic wet heaths with *Erica ciliaris* and *Erica tetralix*
- 4030 European dry heaths
- 4040 *Dry Atlantic coastal heaths with *Erica vagans*
- 4050 *Endemic macaronesian heaths
- 4060 Alpine and Boreal heaths
- 4070 *Bushes with *Pinus mugo* and *Rhododendron hirsutum* (*Mugo-Rhododendretum hirsuti*)
- 4080 Sub-Arctic *Salix* spp. Scrub

- 4090 Endemic oro-Mediterranean heaths with gorse
 40A0 *Subcontinental peri-Pannonic scrub
 40B0 Rhodope *Potentilla fruticosa* thickets
 40C0 *Ponto-Sarmatic deciduous thickets

5. SCLEROPHYLLOUS SCRUB (MATORRAL)

51. **Sub-Mediterranean and temperate scrub**
 5110 Stable xerothermophilous formations with *Buxus sempervirens* on rock slopes (*Berberidion* p.p.)
 5120 Mountain *Cytisus purgans* formations
 5130 *Juniperus communis* formations on heaths or calcareous grasslands
 5140 **Cistus palhinhae* formations on maritime wet heaths
 52. **Mediterranean arborescent matorral**
 5210 Arborescent matorral with *Juniperus* spp.
 5220 *Arborescent matorral with *Zyziphus*
 5230 *Arborescent matorral with *Laurus nobilis*
 53. **Thermo-Mediterranean and pre-steppe brush**
 5310 *Laurus nobilis* thickets
 5320 Low formations of *Euphorbia* close to cliffs
 5330 Thermo-Mediterranean and pre-desert scrub
 54. **Phrygana**
 5410 West Mediterranean cliff-top phryganas (*Astragalo-Plantaginetum subulatae*)
 5420 *Sarcopoterium spinosum* phryganas
 5430 Endemic phryganas of the *Euphorbio-Verbascion*

6. NATURAL AND SEMI-NATURAL GRASSLAND FORMATIONS

61. **Natural grasslands**
 6110 *Rupicolous calcareous or basophilic grasslands of the *Alysso-Sedion albi*
 6120 *Xeric sand calcareous grasslands
 6130 Calaminarian grasslands of the *Violetalia calaminariae*
 6140 Siliceous Pyrenean *Festuca eskia* grasslands
 6150 Siliceous alpine and boreal grasslands
 6160 Oro-Iberian *Festuca indigesta* grasslands
 6170 Alpine and subalpine calcareous grasslands
 6180 Macaronesian mesophile grasslands
 6190 Rupicolous panonic grasslands (*Stipo-Festucetalia pallentis*)
 62. **Semi-natural dry grasslands and scrubland facies**
 6210 Semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*)(*important orchid sites)

- 6220 *Pseudo-steppe with grasses and annual soft *Thero-Brachypodietea*
- 6230 *Species-rich *Nardus* grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe)
- 6240 *Sub-Pannonic steppic grasslands
- 6250* Pannonic loess steppic grasslands
- 6260 *Pannonics and steppes
- 6270 *Fennoscandian lowland species-rich dry to mesic grasslands
- 6280 *Nordic alvar and precambrian calcareous flatrocks
- 62A0 Eastern sub-Mediterranean dry grasslands (*Scorzoneratalia villosae*)
- 62B0 *Serpentinophilous grassland of Cyprus
- 62C0 *Ponto-Sarmatic steppes
- 62D0 Oro-Moesian acidophilous grasslands
63. **Sclerophilous grazed forests (dehesas)**
- 6310 Dehesas with evergreen *Quercus* spp.
64. **Semi-natural tall-herb humid meadows**
- 6410 *Molinia* meadows on calcareous, peaty or clayey-silt-laden soils (*Molinion caeruleae*)
- 6420 Mediterranean tall humid grasslands of the *Molinio-Holoschoenion*
- 6430 Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels
- 6440 Alluvial meadows of river valleys of the *Cnidion dubii*
- 6450 Northern boreal alluvial meadows
- 6460 Peat grasslands of Troodos
65. **Mesophile grasslands**
- 6510 Lowland hay meadows (*Alopecurus pratensis*, *Sanguisorba officinalis*)
- 6520 Mountain hay meadows
- 6530 *Fennoscandian wooded meadows
- 6540 Sub-Mediterranean grasslands of the *Molinio-Hordeion secalini*

7. RAISED BOGS AND MIRES AND FENS

71. **Sphagnum acid bogs**
- 7110 *Active raised bogs
- 7120 Degraded raised bogs still capable of natural regeneration
- 7130 Blanket bogs (*if active bog)
- 7140 Transition mires and quaking bogs
- 7150 Depressions on peat substrates of the *Rhynchosporion*
- 7160 Fennoscandian mineral-rich springs and springfens
72. **Calcareous fens**
- 7210 *Calcareous fens with *Cladium mariscus* and species of the *Caricion davallianae*

- 7220 *Petrifying springs with tufa formation (*Cratoneurion*)
- 7230 Alkaline fens
- 7240 *Alpine pioneer formations of the *Caricion bicoloris-atrofuscae*
- 73. **Boreal mires**
- 7310 *Aapa mires
- 7320 *Palsa mires

8. ROCKY HABITATS AND CAVES

- 81. **Scree**
- 8110 Siliceous scree of the montane to snow levels (*Androsacetalia alpinae* and *Galeopsietalia ladani*)
- 8120 Calcareous and calcshist screes of the montane to alpine levels (*Thlaspietea rotundifolii*)
- 8130 Western Mediterranean and thermophilous scree
- 8140 Eastern Mediterranean screes
- 8150 Medio-European upland siliceous screes
- 8160 *Medio-European calcareous scree of hill and montane levels
- 82. **Rocky slopes with chasmophytic vegetation**
- 8210 Calcareous rocky slopes with chasmophytic vegetation
- 8220 Siliceous rocky slopes with chasmophytic vegetation
- 8230 Siliceous rock with pioneer vegetation of the *Sedo-Scleranthion* or of the *Sedo albi-Veronicion dillenii*
- 8240 *Limestone pavements
- 83. **Other rocky habitats**
- 8310 Caves not open to the public
- 8320 Fields of lava and natural excavations
- 8330 Submerged or partially submerged sea caves
- 8340 Permanent glaciers

9. FORESTS

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

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

- 9070 Fennoscandian wooded pastures
- 9080 *Fennoscandian deciduous swamp woods
91. **Forests of Temperate Europe**
- 9110 *Luzulo-Fagetum* beech forests
- 9120 Atlantic acidophilous beech forests with *Ilex* and sometimes also *Taxus* in the shrublayer (*Quercion robori-petraeae* or *Ilici-Fagenion*)
- 9130 *Asperulo-Fagetum* beech forests
- 9140 Medio-European subalpine beech woods with *Acer* and *Rumex arifolius*
- 9150 Medio-European limestone beech forests of the *Cephalanthero-Fagion*
- 9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests of the *Carpinion betuli*
- 9170 *Galio-Carpinetum* oak-hornbeam forests
- 9180 **Tilio-Acerion* forests of slopes, screes and ravines
- 9190 Old acid ophilous oak woods with *Quercus robur* on sandy plains
- 91A0 Old sessile oak woods with *Ilex* and *Blechnum* in the British Isles
- 91B0 Thermophilous *Fraxinus angustifolia* woods
- 91C0* Caledonian forest
- 91D0 *Bog woodland
- 91E0 *Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*)
- 91F0 Riparian mixed forests of *Quercus robur*, *Ulmus laevis* and *Ulmus minor*, *Fraxinus excelsior* or *Fraxinus angustifolia*, along the great rivers (*Ulmion minoris*)
- 91G0 *Pannonic woods with *Quercus petraea* and *Carpinus betulus*
- 91H0 *Pannonian woods with *Quercus pubescens*
- 91I0 *Euro-Siberian steppic woods with *Quercus* spp.
- 91J0 **Taxus baccata* woods of the British Isles
- 91K0 Illyrian *Fagus sylvatica* forests (*Aremonio-Fagion*)
- 91L0 Illyrian oak-hornbeam forests (*Erythronio-Carpinion*)
- 91M0 Pannonian-Balkan turkey oak - sessile oak forests
- 91N0 *Pannonic inland sand dune thicket (*Junipero-Populetum albae*)
- 91P0 Holy Cross fir forest (*Abietetum polonicum*)
- 91Q0 Western Carpathian calcicolous *Pinus sylvestris* forests
- 91R0 Dinaric dolomite Scots pine forests (*Genisto januensis-Pinetum*)
- 91S0 *Western Pontic beech forests
- 91T0 Central European lichen Scots pine forests
- 91U0 Sarmatic steppe pine forest
- 91V0 Dacian Beech forests (*Symphyto-Fagion*)
- 91W0 Moesian beech forests

- 91X0 *Dobrogean beech forests
- 91Y0 Dacian oak & hornbeam forests
- 91Z0 Moesian silver lime woods
- 91AA *Eastern white oak woods
- 91BA Moesian silver fir forests
- 91CA Rhodopide and Balkan Range Scots pine forests
- 92. **Mediterranean deciduous forests**
- 9210 *Apennine beech forests with *Taxus* and *Ilex*
- 9220 *Apennine beech forests with *Abies alba* and beech forests with *Abies nebrodensis*
- 9230 Galicio-Portuguese oak woods with *Quercus robur* and *Quercus pyrenaica*
- 9240 *Quercus faginea* and *Quercus canariensis* Iberian woods
- 9250 *Quercus trojana* woods
- 9260 *Castanea sativa* woods
- 9270 Hellenic beech forests with *Abies borisii-regis*
- 9280 *Quercus frainetto* woods
- 9290 *Cupressus* forests (*Acero-Cupression*)
- 92A0 *Salix alba* and *Populus alba* galleries
- 92B0 Riparian formations on intermittent Mediterranean watercourses with *Rhododendron ponticum*, *Salix* and others
- 92C0 *Platanus orientalis* and *Liquidambar orientalis* woods (*Platanion orientalis*)
- 92D0 Southern riparian galleries and thickets (*Nerio-Tamaricetea* and *Securinegion tinctoriae*)
- 93. **Mediterranean sclerophyllous forests**
- 9310 Aegean *Quercus brachyphylla* woods
- 9320 *Olea* and *Ceratonia* forests
- 9330 *Quercus suber* forests
- 9340 *Quercus ilex* and *Quercus rotundi folia* forests
- 9350 *Quercus macrolepis* forests
- 9360 *Macaronesian laurel forests (*Laurus*, *Ocotea*)
- 9370 *Palm groves of Phoenix
- 9380 Forests of *Ilex aquifolium*
- 9390 *Scrub and low forest vegetation with *Quercus alnifolia*
- 93A0 Woodlands with *Quercus infectoria* (*Anagyro foetidae-Quercetum infectoriae*)
- 94. **Temperate mountainous coniferous forests**
- 9410 *Acidophilous Picea* forests of the montane to alpine levels (*Vaccinio-Piceetea*)

- 9420 Alpine *Larix decidua* and/or *Pinus cembra* forests
- 9430 Subalpine and montane *Pinus uncinata* forests (*if on gypsum or limestone)
95. **Mediterranean and Macaronesian mountainous coniferous forests**
- 9510 *Southern Apennine *Abies alba* forests
- 9520 *Abies pinsapo* forests
- 9530 *(Sub-) Mediterranean pine forests with endemic black pines
- 9540 Mediterranean pine forests with endemic Mesogean pines
- 9550 Canaryian endemic pine forests
- 9560 *Endemic forests with *Juniperus* spp.
- 9570 **Tetraclinis articulata* forests
- 9580 *Mediterranean *Taxus baccata* woods
- 9590 **Cedrus brevifolia* forests (*Cedrosetum brevifoliae*)
- 95A0 High oro-Mediterranean pine forests

SCHEDULE II

Substituted by:
L.N. 162 of 2009;
L.N. 322 of 2013.

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

Interpretation

- (a) Schedule II follows on from Schedule I for the establishment of a consistent network of special areas of conservation of international importance.
- (b) The species listed in this Schedule are indicated:
- by the Scientific name of the species or subspecies, or
 - by all the species belonging to a higher taxon or to a designated part of that taxon.

Where required, scientific synonyms of each species or lower taxon are included in brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

Other references to taxa higher than genus and/or species are for the purposes of information or classification only.

- (c) Symbols and Abbreviations
- An asterisk (*) before the name of a species or subspecies indicates that it is a priority species.
 - The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.
 - Most species listed in this schedule are also listed in Schedule V. Where a species appears in this Schedule but does not appear in either

Schedule V or Schedule VII, the species name is followed by the symbol (o); where a species which appears in this schedule also appears in Schedule V but does not appear in Schedule VII, its name is followed by the symbol (V).

(a) ANIMALS

VERTEBRATES

MAMMALS

INSECTIVORA

TALPIDAE

Galemys pyrenaicus

CHIROPTERA

RHINOLOPHIDAE

Rhinolophus blasii

Rhinolophus euryale

Rhinolophus ferrumequinum

Rhinolophus hipposideros

Rhinolophus mehelyi

VESPERTILIONIDAE

Barbastella barbastellus

Miniopterus schreibersi

Myotis bechsteini

Myotis blythii

Myotis capaccinii

Myotis dasycneme

Myotis emarginatus

Myotis myotis

Pteropodidae

Rousettus aegyptiacus

RODENTIA

GLIRIDAE

Myomimus roachi

SCIURIDAE

* *Marmota marmota latirostris*

* *Pteromys volans (Sciuropterus ruscicus)*

Spermophilus citellus (Citellus citellus)

* *Spermophilus suslicus (Citellus suslicus)*

CASTORIDAE

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

CRICETIDAE

Mesocricetus newtoni

MICROTIDAE

Dinaromys bogdanovi

Microtus cabreræ

* *Microtus oeconomus arenicola*

* *Microtus oeconomus mehelyi*

Microtus tatricus

ZAPODIDAE

Sicista subtilis

CARNIVORA

CANIDAE

* *Alopex lagopus*

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

URSIDAE

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

MUSTELIDAE

* *Gulo gulo*

Lutra lutra

Mustela eversmannii

* *Mustela lutreola*

Vormela peregusna

FELIDAE

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

* *Lynx pardinus*

PHOCIDAE

Halichoerus grypus (V)

* *Monachus monachus*

Phoca hispida bottnica (V)

* *Phoca hispida saimensis*

Phoca vitulina (V)

ARTIODACTYLA

CERVIDAE

* *Cervus elaphus corsicanus*

Rangifer tarandus fennicus (o)

BOVIDAE

* *Bison bonasus*

Capra aegagrus (natural populations)

* *Capra pyrenaica pyrenaica*

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

Ovis orientalis ophion (*Ovis gmelini ophion*)

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

Rupicapra rupicapra balcanica

* *Rupicapra rupicapra tatrca*

CETACEA

Phocoena phocoena

Tursiops truncatus

REPTILES

CHELONIA (TESTUDINES)

TESTUDINIDAE

Testudo graeca

Testudo hermanni

Testudo marginata

CHELONIIDAE

* *Caretta caretta*

* *Chelonia mydas*

EMYDIDAE

Emys orbicularis

Mauremys caspica

Mauremys leprosa

SAURIA

LACERTIDAE

Dinarolacerta mosorensis

Lacerta bonnali (*Lacerta monticola*)

Lacerta monticola

Lacerta schreiberi

Gallotia galloti insulanagae

* *Gallotia simonyi*

Podarcis lilfordi

Podarcis pityusensis

SCINCIDAE

Chalcides simonyi (*Chalcides occidentalis*)

GEKKONIDAE

Phyllodactylus europaeus

OPHIDIA (SERPENTES)

COLUBRIDAE

* *Coluber cypriensis*

Elaphe quatuorlineata

Elaphe situla

* *Natrix natrix cypriaca*

VIPERIDAE

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

Vipera ursinii (except *Vipera ursinii rakosiensis* and *Vipera ursinii macrops*)

* *Vipera ursinii macrops*

* *Vipera ursinii rakosiensis*

AMPHIBIANS

CAUDATA

SALAMANDRIDAE

Chioglossa lusitanica

Mertensiella luschani (*Salamandra luschani*)

* *Salamandra aurorae* (*Salamandra atra aurorae*)

Salamandrina terdigitata

Triturus carnifex (*Triturus cristatus carnifex*)

Triturus cristatus (*Triturus cristatus cristatus*)

Triturus dobrogicus (*Triturus cristatus dobrogicus*)

Triturus karelinii (*Triturus cristatus karelinii*)

Triturus montandoni

Triturus vulgaris ampelensis

PROTEIDAE

* *Proteus anguinus*

PLETHODONTIDAE

Hydromantes (*Speleomantes*) *ambrosii*

Hydromantes (*Speleomantes*) *flavus*

Hydromantes (*Speleomantes*) *genei*

Hydromantes (*Speleomantes*) *imperialis*

Hydromantes (*Speleomantes*) *strinatii*

Hydromantes (*Speleomantes*) *supramontes*

ANURA

DISCOGLOSSIDAE

* *Alytes muletensis*

Bombina bombina

Bombina variegata

Discoglossus galganoi (including *Discoglossus 'jeanneae'*)

Discoglossus montalentii

Discoglossus sardus

RANIDAE

Rana latastei

PELOBATIDAE

* *Pelobates fuscus insubricus*

FISH

PETROMYZONIFORMES

PETROMYZONIDAE

Eudontomyzon spp. (o)

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

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

Lethenteron zanandreae (V)

Petromyzon marinus (o) (except the Swedish populations)

ACIPENSERIFORMES

ACIPENSERIDAE

* *Acipenser naccarii*

* *Acipenser sturio*

CLUPEIFORMES

CLUPEIDAE

Alosa spp. (V)

SALMONIFORMES

SALMONIDAE

Hucho hucho (natural populations) (V)

Salmo macrostigma (o)

Salmo marmoratus (o)

Salmo salar (only in freshwater) (V) (except the Finnish populations)

COREGONIDAE

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

UMBRIDAE

Umbra krameri (o)

CYPRINIFORMES

CYPRINIDAE

Alburnus albidus (o) (*Alburnus vulturius*)
Aulopyge huegelii (o)
Anaocypris hispanica
Aspius aspius (V) (except the Finnish populations)
Barbus comiza (V)
Barbus meridionalis (V)
Barbus plebejus (V)
Chalcalburnus chalcoides (o)
Chondrostoma genei (o)
Chondrostoma knerii (o)
Chondrostoma lusitanicum (o)
Chondrostoma phoximus (o)
Chondrostoma polylepis (o) (including *C. willkommi*)
Chondrostoma soetta (o)
Chondrostoma toxostoma (o)
Gobio albipinnatus (o)
Gobio kessleri (o)
Gobio uranoscopus (o)
Iberocypris palaciosi (o)
* *Ladigesocypris ghigii* (o)
Leuciscus lucumonis (o)
Leuciscus souffia (o)
Pelecus cultratus (V)
Phoxinellus spp. (o)
* *Phoxinus percnurus*
Rhodeus sericeus amarus (o)
Rutilus pigus (V)
Rutilus rubilio (o)
Rutilus arcasii (o)
Rutilus macrolepidotus (o)
Rutilus lemmingii (o)
Rutilus frisii meidingeri (V)
Rutilus alburnoides (o)
Scardinius graecus (o)
Squalius svallize (o)

COBITIDAE

Cobitis elongata (o)

- Cobitis taenia* (o) (except the Finnish populations)
- Cobitis trichonica* (o)
- Misgurnus fossilis* (o)
- Sabanejewia aurata* (o)
- Sabanejewia larvata* (o) (*Cobitis larvata* and *Cobitis conspersa*)

SILURIFORMES

SILURIDAE

- Silurus aristotelis* (V)

ATHERINIFORMES

CYPRINODONTIDAE

- Aphanius iberus* (o)
- Aphanius fasciatus* (o)
- * *Valencia hispanica*
- * *Valencia letourneuxi* (*Valencia hispanica*)

PERCIFORMES

PERCIDAE

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

GOBIIDAE

- Knipowitschia croatica* (o)
- Knipowitschia (Padogobius) panizzae* (o)
- Padogobius nigricans* (o)
- Pomatoschistus canestrini* (o)

SCORPAENIFORMES

COTTIDAE

- Cottus gobio* (o) (except the Finnish populations)
- Cottus petiti* (o)

INVERTEBRATES

ARTHROPODS

CRUSTACEA

DECAPODA

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

ISOPOSA

- * *Armadillidium ghardalamensis*

INSECTA

COLEOPTERA

- Agathidium pulchellum* (o)
Bolbelasmus unicornis
Boros schneideri (o)
Buprestis splendens
Carabus hampei
Carabus hungaricus
* *Carabus menetriesi pacholei*
* *Carabus olympiae*
Carabus variolosus
Carabus zawadzskii
Cerambyx cerdo
Corticaria planula (o)
Cucujus cinnaberinus
Dorcadion fulvum cervae
Duvalius gebhardti
Duvalius hungaricus
Dytiscus latissimus
Graphoderus bilineatus
Leptodirus hochenwarti
Limoniscus violaceus (o)
Lucanus cervus (o)
Macrolea pubipennis (o)
Mesosa myops (o)
Morimus funereus (o)
* *Osmoderma eremita*
Oxyporus mannerheimii (o)
Pilemia tigrina
* *Phryganophilus ruficollis*
Probaticus subrugosus
Propomacrus cypriacus
* *Pseudogaurotina excellens*
Pseudoseriscius cameroni
Pytho kolwensis
Rhysodes sulcatus (o)
* *Rosalia alpina*

Stephanopachys linearis (o)

Stephanopachys substriatus (o)

Xyletinus tremulicola (o)

HEMIPTERA

Aradus angularis (o)

LEPIDOPTERA

Agriades glandon aquilo (o)

Arytrura musculus

* *Callimorpha (Euplagia, Panaxia) quadripunctaria* (o)

Catopta thrips

Chondrosoma fiduciarium

Clossiana improba (o)

Coenonympha oedippus

Colias myrmidone

Cucullia mixta

Dioszeghyana schmidtii

Erannis ankeraria

Erebia calcaria

Erebia christi

Erebia medusa polaris (o)

Eriogaster catax

Euphydryas (Eurodryas, Hypodryas) aurinia (o)

Glyphipterix loricatella

Gortyna borelii lunata

Graellsia isabellae (V)

Hesperia comma catena (o)

Hypodryas maturna

Leptidea morsei

Lignyopectera fumidaria

Lycaena dispar

Lycaena helle

Maculinea nausithous

Maculinea teleius

Melanargia arge

* *Nymphalis vaualbum*

Papilio hospiton

Phyllometra culminaria

Plebicula golgus
Polymixis rufocincta isolata
Polyommatus eroides
Proterebia afra dalmata
Pseudophilotes bavius
Xestia borealis (o)
Xestia brunneopicta (o)
* *Xylomoia strix*

MANTODEA

Apteromantis aptera

ODONATA

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

ORTHOPTERA

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

ARACHNIDA**Pseudoscorpiones**

Anthrenochernes stellae (o)

MOLLUSCS

GASTROPODA

- Anisus vorticulus*
Caseolus calculus
Caseolus commixta
Caseolus sphaerula
Chilostoma banaticum
Discula leacockiana
Discula tabellata
Discus guerinianus
Elona quimperiana
Geomalacus maculosus
Geomitra moniziana
Gibbula nivosa
* *Helicopsis striata austriaca* (o)
Hygromia kovaesi
Idiomela (Helix) subplicata
Lampedusa imitatrix
* *Lampedusa melitensis*
Leiostyla abbreviata
Leiostyla cassida
Leiostyla corneocostata
Leiostyla gibba
Leiostyla lamellosa
* *Paladilhia hungarica*
Sadleriana pannonica
Theodoxus transversalis
Vertigo angustior (o)
Vertigo genesii (o)
Vertigo geyeri (o)
Vertigo moulinsiana (o)

BIVALVIA

UNIONOIDA

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

DREISSENIDAE

- Congeria kusceri*

(b) PLANTS**PTERIDOPHYTA****ASPENIACEAE**

Asplenium jahandiezii (Litard.) Rouy

Asplenium adulterinum Milde

BLECHNACEAE

Woodwardia radicans (L.) Sm.

DICKSONIACEAE

Culcita macrocarpa C. Presl

DRYOPTERIDACEAE

Diplazium sibiricum (Turcz. ex Kunze) Kurata

* *Dryopteris corleyi* Fraser-Jenk.

Dryopteris fragans (L.) Schott

HYMENOPHYLLACEAE

Trichomanes speciosum Willd.

ISOETACEAE

Isoetes boryana Durieu

Isoetes malinverniana Ces. & De Not.

MARSILEACEAE

Marsilea batardae Launert

Marsilea quadrifolia L.

Marsilea strigosa Willd.

OPHIOGLOSSACEAE

Botrychium simplex Hitchc.

Ophioglossum polyphyllum A. Braun

GYMNOSPERMAE**PINACEAE**

* *Abies nebrodensis* (Lojac.) Mattei

ANGIOSPERMAE**ALISMATACEAE**

* *Alisma wahlenbergii* (Holmberg) Juz.

Caldesia parnassifolia (L.) Parl.

Luronium natans (L.) Raf.

AMARYLLIDACEAE

Leucojum nicaeense Ard.

Narcissus asturiensis (Jordan) Pugsley

Narcissus calcicola Mendonça

Narcissus cyclamineus DC.
Narcissus fernandesii G. Pedro
Narcissus humilis (Cav.) Traub
 * *Narcissus nevadensis* Pugsley
Narcissus pseudonarcissus L. subsp. *nobilis* (Haw.) A. Fernandes
Narcissus scaberulus Henriq.
Narcissus triandrus L. subsp. *capax* (Salisb.) D. A. Webb.
Narcissus viridiflorus Schousboe

ASCLEPIADACEAE

Vincetoxicum pannonicum (Borhidi) Holub

BORAGINACEAE

* *Anchusa crispa* Viv.
Echium russicum J.F.Gemlin
 * *Lithodora nitida* (H. Ern) R. Fernandes
Myosotis lusitanica Schuster
Myosotis rehsteineri Wartm.
Myosotis retusifolia R. Afonso
Omphalodes kuzinskyanae Willk.
 * *Omphalodes littoralis* Lehm.
 * *Onosma tornensis* Javorka
Solananthus albanicus (Degen & al.) Degen & Baldacci
 * *Symphytum cycladense* Pawl.

CAMPANULACEAE

Adenophora lilifolia (L.) Ledeb.
Asyneuma giganteum (Boiss.) Bornm.
 * *Campanula bohemica* Hruby
 * *Campanula gelida* Kovanda
Campanula romanica Šävul.
 * *Campanula sabatia* De Not.
 * *Campanula serrata* (Kit.) Hendrych
Campanula zoysii Wulfen
Jasione crispa (Pourret) Samp. subsp. *serpentinica* Pinto da Silva
Jasione lusitanica A. DC.

CARYOPHYLLACEAE

Arenaria ciliata L. subsp. *pseudofrigida* Ostenf. & O.C. Dahl
Arenaria humifusa Wahlenberg
 * *Arenaria nevadensis* Boiss. & Reuter

- Arenaria provincialis* Chater & Halliday
* *Cerastium alsinifolium* Tausch
Cerastium dinaricum G.Beck & Szysz.
Dianthus arenarius L. subsp. *arenarius*
* *Dianthus arenarius* subsp. *bohemicus* (Novak) O.Schwarz
Dianthus cintranus Boiss. & Reuter subsp. *cintranus* Boiss. & Reuter
* *Dianthus diutinus* Kit.
* *Dianthus lumnitzeri* Wiesb.
Dianthus marizii (Samp.) Samp.
* *Dianthus moravicus* Kovanda
* *Dianthus nitidus* Waldst. et Kit.
Dianthus plumarius subsp. *regis-stephani* (Rapcs.) Baksay
Dianthus rupicola Biv.
* *Gypsophila papillosa* P. Porta
Herniaria algarvica Chaudhri
* *Herniaria latifolia* Lapeyr. subsp. *litardierei* Gamis
Herniaria lusitanica (Chaudhri) subsp. *berlengiana* Chaudhri
Herniaria maritima Link
* *Minuartia smejkalii* Dvorakova
Moehringia jankae Griseb. ex Janka
Moehringia lateriflora (L.) Fenzl.
Moehringia tommasinii Marches.
Moehringia villosa (Wulfen) Fenzl
Petrocoptis grandiflora Rothm.
Petrocoptis montsicciana O. Bolos & Rivas Mart.
Petrocoptis pseudoviscosa Fernandez Casas
Silene furcata Rafin. subsp. *angustiflora* (Rupr.) Walters
* *Silene hicesiae* Brullo & Signorello
Silene hifacensis Rouy ex Willk.
* *Silene holzmanii* Heldr. ex Boiss.
Silene longicilia (Brot.) Otth.
Silene mariana Pau
* *Silene orphanidis* Boiss
* *Silene rothmaleri* Pinto da Silva
* *Silene velutina* Pourret ex Loisel.

CHENOPODIACEAE

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

* *Cremnophyton lanfrancoi* Brullo et Pavone

* *Salicornia veneta* Pignatti & Lausi

CISTACEAE

Cistus palhinhae Ingram

Halimium verticillatum (Brot.) Sennen

Helianthemum alypoides Losa & Rivas Goday

Helianthemum caput-felis Boiss.

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

COMPOSITAE

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

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

* *Artemisia granatensis* Boiss.

* *Artemisia laciniata* Willd.

Artemisia oelandica (Besser) Komaror

* *Artemisia pancicii* (Janka) Ronn.

* *Aster pyrenaicus* Desf. ex DC

* *Aster sorrentinii* (Tod) Lojac.

Carlina onopordifolia Besser

* *Carduus myriacanthus* Salzm. ex DC.

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

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

* *Centaurea akamantis* T. Georgiadis & G. Chatzikyriakou

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

* *Centaurea balearica* J. D. Rodriguez

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

* *Centaurea citricolor* Font Quer

Centaurea corymbosa Pourret

Centaurea gadorensis G. Blanca

* *Centaurea horrida* Badaro

Centaurea immanuelis-loewii Degen

Centaurea jankae Brandza

* *Centaurea kalambakensis* Freyn & Sint.

Centaurea kartschiana Scop.

* *Centaurea lactiflora* Halacsy

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

* *Centaurea niederi* Heldr.

* *Centaurea peucedanifolia* Boiss. & Orph.

- * *Centaurea pinnata* Pau
- Centaurea pontica* Prodan & E. I. Nyàràdy
- Centaurea pulvinata* (G. Blanca) G. Blanca
- Centaurea rothmalerana* (Arènes) Dostál
- Centaurea vicentina* Mariz
- Cirsium brachycephalum* Juratzka
- * *Crepis crocifolia* Boiss. & Heldr.
- Crepis granatensis* (Willk.) B. Blanca & M. Cueto
- Crepis pusilla* (Sommier) Merxmüller
- Crepis tectorum* L. subsp. *nigrescens*
- Erigeron frigidus* Boiss. ex DC.
- * *Helichrysum melitense* (Pignatti) Brullo et al
- Hymenostemma pseudanthemis* (Kunze) Willd.
- Hyoseris frutescens* Brullo et Pavone
- * *Jurinea cyanoides* (L.) Reichenb.
- * *Jurinea fontqueri* Cuatrec.
- * *Lamyropsis microcephala* (Moris) Dittrich & Greuter
- Leontodon microcephalus* (Boiss. ex DC.) Boiss.
- Leontodon boryi* Boiss.
- * *Leontodon siculus* (Guss.) Finch & Sell
- Leuzea longifolia* Hoffmanns. & Link
- Ligularia sibirica* (L.) Cass.
- * *Palaeocyanus crassifolius* (Bertoloni) Dostal
- Santolina impressa* Hoffmanns. & Link
- Santolina semidentata* Hoffmanns. & Link
- Saussurea alpina* subsp. *esthonica* (Baer ex Rupr) Kupffer
- * *Senecio elodes* Boiss. ex DC.
- Senecio jacobea* L. subsp. *gotlandicus* (Neuman) Sterner
- Senecio nevadensis* Boiss. & Reuter
- * *Serratula lycopifolia* (Vill.) A. Kern
- Tephroseris longifolia* (Jacq.) Griseb et Schenk subsp. *moravica*

CONVOLVULACEAE

- * *Convolvulus argyrothamnus* Greuter
- * *Convolvulus fernandesii* Pinto da Silva & Teles

CRUCIFERAE

- Alyssum pyrenaicum* Lapeyr.
- * *Arabis kennedyae* Meikle

- Arabis sadina* (Samp.) P. Cout.
Arabis scopoliana Boiss
* *Biscutella neustriaca* Bonnet
Biscutella vincentina (Samp.) Rothm.
Boleum asperum (Pers.) Desvaux
Brassica glabrescens Poldini
Brassica hilarionis Post
Brassica insularis Moris
* *Brassica macrocarpa* Guss.
Braya linearis Rouy
* *Cochlearia polonica* E. Fröhlich
* *Cochlearia tatrae* Borbas
* *Coincya rupestris* Rouy
* *Coronopus navasii* Pau
Crambe tataria Sebeok
Degenia velebitica (Degen) Hayek
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 pienenicum* (Zapal.) Pawl.
* *Iberis arbuscula* Runemark
Iberis procumbens Lange subsp. *microcarpa* Franco & Pinto da Silva
* *Jonopsidium acaule* (Desf.) Reichenb.
Jonopsidium savianum (Caruel) Ball ex Arcang.
Rhynchosinapis erucastrum (L.) Dandy ex Clapham subsp. *cintrana*
(Coutinho) Franco & P. Silva (*Coincya cintrana* (P. Cout.) Pinto da Silva)
Sisymbrium cavanillesianum Valdes & Castroviejo
Sisymbrium supinum L.
Thlaspi jankae A. Kern.

CYPERACEAE

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

DIOSCOREACEAE

* *Borderea chouardii* (Gaussen) Heslot

DROSERACEAE

Aldrovanda vesiculosa L.

ELATINACEAE

Elatine gussonei (Sommier) Brullo et al

ERICACEAE

Rhododendron luteum Sweet

EUPHORBIACEAE

* *Euphorbia margalidiana* Kuhbier & Lewejohann

Euphorbia transtagana Boiss.

GENTIANACEAE

* *Centaurium rigualii* Esteve

* *Centaurium somedanum* Lainz

Gentiana ligustica R. de Vilm. & Chopinet

Gentianella anglica (Pugsley) E. F. Warburg

* *Gentianella bohemica* Skalicky

GERANIACEAE

* *Erodium astragaloides* Boiss. & Reuter

Erodium paularense Fernandez-Gonzalez & Izco

* *Erodium rupicola* Boiss.

GLOBULARIACEAE

* *Globularia stygia* Orph. ex Boiss.

GRAMINEAE

Arctagrostis latifolia (R. Br.) Griseb.

Arctophila fulva (Trin.) N. J. Anderson

Avenula hackelii (Henriq.) Holub

Bromus grossus Desf. ex DC.

Calamagrostis chalybaea (Laest.) Fries

Cinna latifolia (Trev.) Griseb.

Coleanthus subtilis (Tratt.) Seidl

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

Festuca duriotagana Franco & R. Afonso

Festuca elegans Boiss.

Festuca henriquesii Hack.

Festuca summilusitana Franco & R. Afonso

Gaudinia hispanica Stace & Tutin

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

Micropyropsis tuberosa Romero - Zarco & Cabezudo

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

* *Poa riphaea* (Ascher et Graebner) Fritsch

Pseudarrhenatherum pallens (Link) J. Holub

Puccinellia phryganodes (Trin.) Scribner + Merr.

Puccinellia pungens (Pau) Paunero

* *Stipa austroitalica* Martinovsky

* *Stipa bavarica* Martinovsky & H. Scholz

Stipa danubialis Dihoru & Roman

* *Stipa styriaca* Martinovsky

* *Stipa veneta* Moraldo

* *Stipa zalesskii* Wilensky

Trisetum subalpestre (Hartman) Neuman

GROSSULARIACEAE

* *Ribes sardoum* Martelli

HIPPURIDACEAE

Hippuris tetraphylla L. Fil.

HYPERICACEAE

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

IRIDACEAE

Crocus cyprius Boiss. et Kotschy

Crocus hartmannianus Holmboe

Gladiolus palustris Gaud.

Iris aphylla L. subsp. *hungarica* Hegi

Iris humilis Georgi subsp. *arenaria* (Waldst. et Kit.) A. et D. Löve

JUNCACEAE

Juncus valvatus Link

Luzula arctica Blytt

LABIATAE

Dracocephalum austriacum L.

* *Micromeria taygetea* P. H. Davis

Nepeta dirphya (Boiss.) Heldr. ex Halacsy

* *Nepeta sphaciotica* P. H. Davis

Origanum dictamnus L.

Phlomis brevibracteata Turrit

Phlomis cypria Post

Salvia veneris Hedge

Sideritis cyprica Post

Sideritis incana subsp. *glauca* (Cav.) Malagarriga

Sideritis javalambrensis Pau

Sideritis serrata Cav. ex Lag.

Teucrium lepicephalum Pau

Teucrium turredanum Losa & Rivas Goday

* *Thymus camphoratus* Hoffmanns. & Link

Thymus carnosus Boiss.

* *Thymus lotocephalus* G. López & R. Morales (*Thymus cephalotos* L.)

LEGUMINOSAE

Anthyllis hystrix Cardona, Contandr. & E. Sierra

* *Astragalus algarbiensis* Coss. ex Bunge

* *Astragalus aquilanus* Anzalone

Astragalus centralpinus Braun-Blanquet

* *Astragalus macrocarpus* DC. subsp. *lefkarensis*

* *Astragalus maritimus* Moris

Astragalus peterfii Jáv.

Astragalus tremolsianus Pau

* *Astragalus verrucosus* Moris

* *Cytisus aeolicus* Guss. ex Lindl.

Genista dorycnifolia Font Quer

Genista holopetala (Fleischm. ex Koch) Baldacci

Melilotus segetalis (Brot.) Ser. subsp. *fallax* Franco

* *Ononis hackelii* Lange

Trifolium saxatile All.

* *Vicia bifoliolata* J.D. Rodriguez

LENTIBULARIACEAE

* *Pinguicula crystallina* Sm.

Pinguicula nevadensis (Lindb.) Casper

LILIACEAE

Allium grosii Font Quer

* *Androcymbium rechingeri* Greuter

* *Asphodelus bento-rainhae* P. Silva

* *Chionodoxa lochia* Meikle in Kew Bull.

Colchicum arenarium Waldst. et Kit.

Hyacinthoides vicentina (Hoffmans. & Link) Rothm.

* *Muscari gussonei* (Parl.) Tod.

Scilla litardierei Breist.

* *Scilla morrisii* Meikle

Tulipa cypria Stapf

Tulipa hungarica Borbas

LINACEAE

* *Linum dolomiticum* Borbas

* *Linum muelleri* Moris (*Linum maritimum muelleri*)

LYTHRACEAE

* *Lythrum flexuosum* Lag.

MALVACEAE

Kosteletzkya pentacarpos (L.) Ledeb.

NAJADACEAE

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

Najas tenuissima (A. Braun) Magnus

OLEACEAE

Syringa josikaea Jacq. Fil. ex Reichenb.

ORCHIDACEAE

Anacamptis urvilleana Sommier et Caruana Gatto

Calypto bulbosa L.

* *Cephalanthera cucullata* Boiss. & Heldr.

Cypripedium calceolus L.

Dactylorhiza kalopissii E.Nelson

Gymnigritella runei Teppner & Klein

Himantoglossum adriaticum Baumann

Himantoglossum caprinum (Bieb.) V. Koch

Liparis loeselii (L.) Rich.

* *Ophrys kotschyi* H. Fleischm. et Soo

* *Ophrys lunulata* Parl.

Ophrys melitensis (Salkowski) J et P Devillers-Terschuren

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

OROBANCHACEAE

Orobanche densiflora Salzm. ex Reut.

PAEONIACEAE

Paeonia cambessedesii (Willk.) Willk.

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

Paeonia officinalis L. subsp. *banatica* (Rachel) Soo

Paeonia parnassica Tzanoudakis

PALMAE

Phoenix theophrasti Greuter

PAPAVERACEAE

Corydalis gotlandica Lidén

Papaver laestadianum (Nordh.) Nordh.

Papaver radicum Rottb. subsp. *hyperboreum* Nordh.

PLANTAGINACEAE

Plantago algarbiensis Sampaio (*Plantago bracteosa* (Willk.) G. Sampaio)

Plantago almogravensis Franco

PLUMBAGINACEAE

Armeria berlengensis Daveau

* *Armeria helodes* Martini & Pold

Armeria neglecta Girard

Armeria pseudarmeria (Murray) Mansfeld

* *Armeria rouyana* Daveau

Armeria soleirolii (Duby) Godron

Armeria velutina Welw. ex Boiss. & Reuter

Limonium dodartii (Girard) O. Kuntze subsp. *lusitanicum* (Daveau) Franco

* *Limonium insulare* (Beg. & Landi) Arrig. & Diana

Limonium lanceolatum (Hoffmans. & Link) Franco

Limonium multiflorum Erben

* *Limonium pseudolaetum* Arrig. & Diana

* *Limonium strictissimum* (Salzmann) Arrig.

POLYGONACEAE

Persicaria foliosa (H. Lindb.) Kitag.

Polygonum praelongum Coode & Cullen

Rumex rupestris Le Gall

PRIMULACEAE

Androsace mathildae Levier

Androsace pyrenaica Lam.

* *Cyclamen fatrense* Halda et Sojak

* *Primula apennina* Widmer

Primula carniolica Jacq.

Primula nutans Georgi

Primula palinuri Petagna

Primula scandinavica Bruun

Soldanella villosa Darracq.

RANUNCULACEAE

- * *Aconitum corsicum* Gayer (*Aconitum napellus* subsp. *corsicum*)
- Aconitum firmum* (Reichenb.) Neilr subsp. *moravicum* Skalicky
- Adonis distorta* Ten.
- Aquilegia bertolonii* Schott
- Aquilegia kitaibelii* Schott
- * *Aquilegia pyrenaica* D.C. subsp. *cazorlensis* (Heywood) Galiano
- * *Consolida samia* P.H. Davis
- * *Delphinium caseyi* B.L.Burt
- Pulsatilla grandis* Wenderoth
- Pulsatilla patens* (L.) Miller
- * *Pulsatilla pratensis* (L.) Miller subsp. *hungarica* Soo
- * *Pulsatilla slavica* G. Reuss.
- * *Pulsatilla subslavica* Futak ex Goliasova
- Pulsatilla vulgaris* Hill. subsp. *gotlandica* (Johanss.) Zaemelis & Paegle
- Ranunculus kykkoensis* Meikle
- Ranunculus lapponicus* L.
- * *Ranunculus weyleri* Mares

RESEDACEAE

- * *Reseda decursiva* Forssk.

ROSACEAE

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

RUBIACEAE

- Galium cracoviense* Ehrend.
- * *Galium litorale* Guss.
- Galium moldavicum* (Dobrescu) Franco
- * *Galium sudeticum* Tausch
- * *Galium viridiflorum* Boiss. & Reuter

SALICACEAE

- Salix salvifolia* Brot. subsp. *australis* Franco

SANTALACEAE

- Thesium ebracteatum* Hayne

SAXIFRAGACEAE

Saxifraga berica (Beguinot) D.A. Webb

Saxifraga florulenta Moretti

Saxifraga hirculus L.

Saxifraga osloënsis Knaben

Saxifraga tombeanensis Boiss. ex Engl.

SCROPHULARIACEAE

Antirrhinum charidemi Lange

Chaenorhinum serpyllifolium (Lange) Lange subsp. *lusitanicum* R. Fernandes

* *Euphrasia genargentea* (Feoli) Diana

Euphrasia marchesettii Wettst. ex Marches.

Linaria algarviana Chav.

Linaria coutinhoi Valdés

Linaria loeseli Schweigger

* *Linaria ficalhoana* Rouy

Linaria flava (Poiret) Desf.

* *Linaria hellenica* Turrill

Linaria pseudolaxiflora Lojacono

* *Linaria ricardoi* Cout.

Linaria tonzigii Lona

* *Linaria tursica* B. Valdes & Cabezudo

Odontites granatensis Boiss.

* *Pedicularis sudetica* Willd.

Rhinanthus oesilensis (Ronninger & Saarsoo) Vassilcz

Tozzia carpathica Wol.

Verbascum litigiosum Samp.

Veronica micrantha Hoffmanns. & Link

* *Veronica oetaea* L.-A. Gustavsson

SOLANACEAE

* *Atropa baetica* Willk.

THYMELAEACEAE

* *Daphne arbuscula* Celak

Daphne petraea Leybold

* *Daphne rodriguezii* Texidor

ULMACEAE

Zelkova abelicea (Lam.) Boiss.

UMBELLIFERAE

* *Angelica heterocarpa* Lloyd

Angelica palustris (Besser) Hoffm.
 * *Apium bermejoi* Llorens
Apium repens (Jacq.) Lag.
Athamanta cortiana Ferrarini
 * *Bupleurum capillare* Boiss. & Heldr.
 * *Bupleurum kakiskalae* Greuter
Eryngium alpinum L.
 * *Eryngium viviparum* Gay
 * *Ferula sadleriana* Lebed.
Hladnikia pastinacifolia Reichenb.
 * *Laserpitium longiradium* Boiss.
 * *Naufraga balearica* Constans & Cannon
 * *Oenanthe conioides* Lange
Petagnia saniculifolia Guss.
Rouya polygama (Desf.) Coincy
 * *Seseli intricatum* Boiss.
Seseli leucospermum Waldst. et Kit
Thorella verticillatinundata (Thore) Briq.

VALERIANACEAE

Centranthus trinervis (Viv.) Beguinot

VIOLACEAE

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

LOWER PLANTS

BRYOPHYTA

Bruchia vogesiaca Schwaegr. (o)
Bryhnia novae-angliae (Sull & Lesq.) Grout (o)
 * *Bryoerythrophyllum campylocarpum* (C. Müll.) Crum.
 (*Bryoerythrophyllum machadoanum* (Sergio) M. O. Hill) (o)
Buxbaumia viridis (Moug.) Moug. & Nestl. (o)
Cephalozia macounii (Aust.) Aust. (o)
Cynodontium suecicum (H. Arn. & C. Jens.) I. Hag. (o)
Dichelyma capillaceum (Dicks) Myr. (o)
Dicranum viride (Sull. & Lesq.) Lindb. (o)
Distichophyllum carinatum Dix. & Nich. (o)
Drepanocladus (Hamatocaulis) vernicosus (Mitt.) Warnst. (o)

Encalypta mutica (I. Hagen) (o)
Hamatocaulis lapponicus (Norrl.) Hedenäs (o)
Herzogiella turfacea (Lindb.) I. Wats. (o)
Hygrohypnum montanum (Lindb.) Broth. (o)
Jungermannia handelii (Schiffn.) Amak. (o)
Mannia triandra (Scop.) Grolle (o)
* *Marsupella profunda* Lindb. (o)
Meesia longiseta Hedw. (o)
Nothothylas orbicularis (Schwein.) Sull. (o)
Ochyraea tatrensis Vana (o)
Orthothecium lapponicum (Schimp.) C. Hartm. (o)
Orthotrichum rogeri Brid. (o)
Petalophyllum ralfsii (Wils.) Nees & Gott. (o)
Plagiomnium drummondii (Bruch & Schimp.) T. Kop. (o)
Riccia breidleri Jur. (o)
Riella helicophylla (Bory & Mont.) Mont. (o)
Scapania massolongi (K. Müll.) K. Müll. (o)
Sphagnum pylaisii Brid. (o)
Tayloria rudolphiana (Garov) B. & S. (o)
Tortella rigens (N. Alberts) (o)

SPECIES FOR MACARONESIA

PTERIDOPHYTA

HYMENOPHYLLACEAE

Hymenophyllum maderensis Gibby & Lovis

DRYOPTERIDACEAE

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

ISOETACEAE

Isoetes azorica Durieu & Paiva ex Milde

MARSILEACEAE

**Marsilea azorica* Launert & Paiva

ANGIOSPERMAE

ASCLEPIADACEAE

Caralluma burchardii N.E.Brown

**Ceropegia chrysantha* Svent.

BORAGINACEAE

Echium candicans L.fil.

**Echium gentianoides* Webb & Coincey

Myosotis azorica H.C.Watson

Myosotis maritima Hochst. in Seub.

CAMPANULACEAE

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

Musschia aurea (L.f.) DC.

**Musschia wollastonii* Lowe

CAPRIFOLIACEAE

**Sambucus palmensis* Link

CARYOPHYLLACEAE

Spergularia azorica (Kindb.) Lebel

CELASTRACEAE

Maytenus umbellata (R.Br.) Mabb.

CHENOPODIACEAE

Beta patula Ait.

CISTACEAE

Cistus chinamadensis Banares & Romero

**Helianthemum bystropogophyllum* Svent.

COMPOSITAE

Andryala crithmifolia Ait.

**Argyranthemum lidii* Humphries

Argyranthemum thalassophyllum (Svent.) Hump.

Argyranthemum winterii (Svent.) Humphries

**Atractylis arbuscula* Svent. & Michaelis

Atractylis preauxiana Schultz.

Calendula maderensis DC.

Cheirolophus duranii (Burchard) Holub

Cheirolophus ghomerytus (Svent.) Holub

Cheirolophus junonianus (Svent.) Holub

Cheirolophus massonianus (Lowe) Hansen & Sund.

Cirsium latifolium Lowe

Helichrysum gossypinum Webb

Helichrysum monogynum Burt & Sund.

Hypochoeris oligocephala (Svent. & Bramw.) Lack

**Lactuca watsoniana* Trel.

**Onopordum nogalesii* Svent.

**Onopordum carduelinum* Bolle

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

Phagnalon benettii Lowe

Stemmacantha cynaroides (Chr. Son. in Buch) Ditt

Sventenia bupleuroides Font Quer

**Tanacetum ptarmiciflorum* Webb & Berth

CONVOLVULACEAE

**Convolvulus caput-medusae* Lowe

**Convolvulus lopez-socasii* Svent.

**Convolvulus massonii* A.Dietr.

CRASSULACEAE

Aeonium gomeraense Praeger

Aeonium saundersii Bolle

Aichryson dumosum (Lowe) Praeg.

Monanthes wildpretii Banares & Scholz

Sedum brissemoretii Raymond-Hamet

CRUCIFERAE

**Crambe arborea* Webb ex Christ

Crambe laevigata DC. ex Christ

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

**Parolinia schizogynoides* Svent.

Sinapidendron rupestre (Ait.) Lowe

CYPERACEAE

Carexmalato-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

**Myricarivas-martinezii* Santos.

OLEACEAE

Jasminum azoricum L.

Picconia azorica (Tutin) Knobl.

ORCHIDACEAE

Goodyera macrophylla Lowe

PITTOSPORACEAE

**Pittosporum coriaceum* Dryand. ex. Ait.

PLANTAGINACEAE

Plantagomalato-belizii Lawalree

PLUMBAGINACEAE

**Limonium arborescens* (Brouss.) Kuntze

Limonium dendroides Svent.

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

**Limonium sventenii* Santos & Fernández Galván

POLYGONACEAE

Rumex azoricus Rech. fil.

RHAMNACEAE

Frangula azorica Tutin

ROSACEAE

**Bencomia brachystachya* Svent.

Bencomia sphaerocarpa Svent.

**Chamaemeles coriacea* Lindl.

Dendriopoterium pulidoi Svent.

Marcetella maderensis (Born.) Svent.

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

Sorbus maderensis (Lowe) Dode

SANTALACEAE

Kunkeliella subsucculenta Kammer

SCROPHULARIACEAE

**Euphrasia azorica* H. C. Watson

Euphrasia grandiflora Hochst. in Seub.

**Isoplexis chalcantha* Svent. & O'Shanahan

Isoplexis isabelliana (Webb & Berthel.) Masferrer

Odontites holliana (Lowe) Benth.

Sibthorpia peregrina L.

SOLANACEAE

**Solanum lidii* Sunding

UMBELLIFERAE

Ammi trifoliatum (H. C. Watson) Trelease

Bupleurum handiense (Bolle) Kunkel

Chaerophyllum azoricum Trelease

Ferula latipinna Santos

Melanoselinum decipiens (Schrader & Wendl.) Hoffm.

Monizia edulis Lowe

Oenanthe divaricata (R. Br.) Mabb.

Sanicula azorica Guthnick ex Seub.

VIOLACEAE

Viola paradoxa Lowe

LOWER PLANTS**BRYOPHYTA**

**Echinodium spinosum* (Mitt.) Jur. (o)

**Thamnobryum fernandesii* Sergio (o).

SCHEDULE III

*Substituted by:
L.N. 322 of 2013.*

**ANIMAL AND PLANT SPECIES OF NATIONAL INTEREST
WHOSE CONSERVATION REQUIRES THE DESIGNATION
OF SPECIAL AREAS OF CONSERVATION**

Interpretation

(a) Schedule III follows on from Schedule I for the establishment of a consistent network of special areas of conservation of national importance.

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

- by the Scientific name of the species or subspecies, accompanied, where available, by Maltese and English vernacular names of the said species or subspecies, or
- by all the species belonging to a higher taxon or to a designated part of that taxon.

Where required, scientific synonyms of each species or lower taxon are included in square brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

Other references to taxa higher than genus and/or species are for the purposes of information or classification only.

(c) A number of scientific names are followed by the abbreviations 'auct. fl. Melit.' which refers to the scientific name(s) with which that particular taxon is and/or was recorded in Maltese biodiversity literature; this scientific name is also of legal value, since in some cases, it represents the only reference to species whose proper scientific identification is still uncertain.

(d) Symbols and Abbreviations

- The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.
- The abbreviation "(s.l.)", meaning '*sensu lato*' is used to indicate that the scientific name is used in its most extended meaning.

(a) ANIMALS**VERTEBRATES****MAMMALS****INSECTIVORA**

<i>Crocidura sicula</i>	Ġurdien ta' Halqu Twil;	Sicilian Shrew
	Ġurdien tal-Munqar;	
	Ġurdien tal-Geddum Twil	

CHIROPTERA**Vespertilionidae**

<i>Myotis punicus</i>	Farfett il-Lejl	Mouse-Eared Bat
[= <i>Myotis blythii</i>]	Widnet il-Ġurdien	
<i>punicus</i>		

SAURIA**Lacertidae**

<i>Podarcis filfolensis</i>	Gremxula ta' Filfla	Filfolia Wall Lizard
<i>filfolensis</i>		
<i>Podarcis filfolensis</i>	Gremxula ta' Haġret il-General	Fungus Rock Wall Lizard
<i>generalensis</i>		
<i>Podarcis filfolensis</i>	Gremxula tal-Gżejjer	St. Paul's Island Wall Lizard
<i>kieselbachi</i>		

INVERTEBRATES**ARTHROPODS****CRUSTACEA****DECAPODA**

<i>Potamon fluviatile</i>	Qabru; Granċ tal-Ilma Helu	Maltese Freshwater Crab
<i>lanfrancoi</i>		

INSECTA**COLEOPTERA**

<i>Alaocyba melitensis</i>	Bumunqar Ġhama ta' Malta	Maltese Blind Weevil
<i>Amaurops mifsudi</i>	Psefalida Ġhamja ta' Malta	Maltese Blind Psephalid
<i>Othiorynchus (Arammichnus) ovatulus</i>	Bumunqar tar-Ramla	Maltese Sand Weevil

MOLLUSCA**GASTROPODA**

<i>Dendropoma petraeum</i>	Bebbuxu tal-Blat	Vermetid Snail
<i>Trochoidea gharlapsi</i>	Żugraga tal-Irdum	Cliff Top-Snail
<i>Trochoidea spratti</i>	Żugraga tal-Imtaħleb	Mtaħleb Top-Snail
<i>cucullus</i> [= <i>T. cucullus</i> ; <i>Helicella cucullus</i> ; <i>Xerophila cucullus</i>]		
<i>Trochoidea spratti</i>	Żugraga ta' Filfla	Filfolia Top-Snail
<i>despotti</i> [= <i>T. despotti</i> ; <i>T. pyramidata</i>]		
<i>despotti</i> , <i>Helicella pyramidata</i>]		

BIVALVIA

<i>Pisidium spp.</i>	Arzell ta' l-Ilma Helu	Pea-Mussels
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(b) PLANTS**RHODOPHYTA**

<i>Lithothamnion coralloides</i> (P.L. Crouan & H.M. Crouan) P.L. Crouan & H.M. Crouan [= <i>Mesophyllum corallioides</i> (P.L. Crouan & H.M. Crouan) Lemoine]	Korallina tar-Ramel Haj	Maerl Coralline Alga
<i>Lithothamnion minervae</i> Basso	Korallina tar-Ramel Haj	Maerl Coralline Alga
<i>Phymatholithon calcareum</i> (Poll.) Adey & McKibbin [= <i>Lithothamnion polymorphum</i> (L.) Areschoug, <i>Lithothamnion calcareum</i> (Pallas) Areschoug in J.Agardh]	Korallina tar-Ramel Haj	Maerl Coralline Alga
FUCOPHYTA		
<i>Cystoseira</i> spp. except <i>Cistosejri</i>		Sea-Firs
<i>Cystoseira compressa</i>		
PINOPHYTA		
Cupressaceae		
<i>Tetraclinis articulata</i> (Vahl) Masters [= <i>Callitris quadrivalvis</i> Venten. ex Rich.]	Għargħar / Sigra tal-Għargħar	Araar Tree; Alerce; Sandarac Gum Tree
MAGNOLIOPHYTA		
Alliaceae		
<i>Allium lojaconoi</i> Brullo, Lanfranco et Pavone [= <i>Allium parciflorum</i> auct. fl. Melit non Viviani]	Tewm Irqiq ta' Malta	Maltese Dwarf Garlic
Anacardiaceae		
<i>Pistacia terebinthus</i> L.	Skornabekk; Terebintu Trementina; Sigra tat-Turpentina	Terebinth; Turpentine Tree
<i>Rhus coriaria</i> L.	Xumakk tal-Konz	Common Sumach
Asteraceae (= Compositae)		
<i>Otanthus maritimus</i> (L.) Link [= <i>Diotis candidissima</i> Desfontaines]	Santolina tar-Ramel; Bajda tar-Ramel	Cottonweed; Sea Cudweed

<i>Matricaria aurea</i> Kamumella Nana (Loefling) Schultz Bipontinus [=] <i>Chamomilla aurea</i> (Loefling) Gay ex Coss. et Kralik]		Rayless Mayweed
Brassicaceae (= Cruciferae)		
<i>Matthiola incana</i> (L.) Ġizi ta' Malta R. Brown subsp. <i>melitensis</i> Brullo, Lanfranco, Pavone et Ronsisvalle		Maltese Stocks
Cistaceae		
<i>Cistus spp.</i>	Borghom; Ċisti	Rock-Roses
Convolvulaceae		
<i>Convolvulus oleifolius</i> Leblieb tal-Irdum <i>Desrousseaux</i> s.l.		Olive-Leaved Bindweed
Cymodoceaceae		
<i>Cymodocea nodosa</i> Alka Rqıq; Ċimodoċja (Ucria) Ascherson [=] <i>Zostera nodosa Ucria</i>]		Lesser Neptune-Grass
Ericaceae		
<i>Erica multiflora</i> L.	Erika; Issopu; Savina; Mediterranean Heath Saghtar Ahmar; Leħjet ix- Xih	
Euphorbiaceae		
<i>Euphorbia dendroides</i> L.	Tengħud tas-Sigra	Tree Spurge
<i>Euphorbia melitensis</i> Parlato [= <i>Euphorbia spinosa</i> auct. fl. Melit. non L.; = <i>Euphorbia bivonae</i> auct. fl. Melit. non Steudel]	Tengħud tax-Xaghri	Maltese Spurge
<i>Euphorbia paralias</i> L.	Tengħud tar-Ramel	Sea Spurge
<i>Euphorbia terracina</i> L.	Tengħud tax-Xatt	Coast Spurge
Fabaceae (= Leguminosae)		
<i>Anagyris foetida</i> L.	Fula tal-Klieb	Bean Trefoil Tree
<i>Anthyllis hermanniae</i> L.	Hatba s-Sewda	Shrubby Kidney-Vetch
<i>Lotus halophilus</i> Boissier et Spruner	Għantux tar-Ramel	Sand Restharrow
Iridaceae		

<i>Iris pseudopumila</i> Bellus Tineo		Southern Dwarf Iris
<i>Iris sicula</i> Todaro	Fjurdulis Sqalli	Sicilian Iris
Juncaceae		
<i>Juncus acutus</i> L.	Simar il-Lixx	Sharp-Pointed Rush
<i>Juncus maritimus</i> Lamarck	Simar tal-Baħar	Sea Rush
Lamiaceae (= Labiatae)		
<i>Origanum dictamnus</i> L.	Rieġnu ta' Ġnien il-Kbir	Cretan Dittany
<i>Teucrium scordioides</i> Schreber [= <i>T. scordium</i> L. subsp. <i>scordioides</i> (Schreb.) Arcangeli]	Borġhom tal-Ilma	Water Germander
<i>Thymus capitatus</i> L. [= <i>Thymbra capitata</i> (L.) Cavanilles; <i>Coridothymus capitatus</i> (L.) Reichenbach fil.]	[= Saġhtar]	Mediterranean Thyme
Liliaceae		
<i>Tulipa australis</i> (= <i>Tulipa sylvestris</i> auct. Melit. non L.)	Link Tulipan Selvaġġ	Wild Tulip
Orchidaceae		
<i>Ophrys fuciflora</i> (F.W. Schmidt) Moench [= <i>Ophrys holosericea</i> auct. fl. Melit. non (Burm.) Greuter]	Brimba	Late Spider Orchid
<i>Ophrys lacaitae</i> Lojacono [= <i>O. oxyrrhynchos</i> subsp. <i>lacaitae</i> (Lojacono) Del Prete]	Brimba Safra	Yellow Spider Orchid; Lacaita's Spider Orchid
<i>Ophrys tenthredinifera</i> Willdenow s.l. [= <i>Ophrys tenoreana</i> Lindley s.l.]	Nahla Kbir	Sawfly Orchid
<i>Ophrys oxyrrhynchos</i> Todaro [= <i>Ophrys fuciflora</i> subsp. <i>oxyrrhynchos</i> (Todaro) Soó]	Brimba ta' Sqallija	Beaked Spider Orchid
Plumbaginaceae		

Limonium melitense Leħjet ix-Xih; Limonju ta' Maltese Sea-Lavender
 Brullo [= *Statice* Malta
cosyrensis auct. fl.
 Melit. non Gussone]

Limonium zeraphae Leħjet ix-Xih; Limonju ta' Zerafa's Sea-Lavender
 Brullo [= *Statice* Żerafa
reticulata auct. fl.
 Melit. non L.]

Poaceae

Ampelodesma Dis Diss
mauritanica (Poiret)
 Durand et Schinz [= *Ampelodesma tenax*
 Link]

Posidoniaceae

Posidonia oceanica Alka; Posidonja Neptune-Grass
 (L.) Delile

Rhamnaceae

Paliurus spina-christi Xewk tal-Kuruna; Xewk ta' Christ's Thorn
 Miller Kristu

Rosaceae

Rosa sempervirens L. Girlanda tal-Wied Evergreen Rose
Sarcopoterium Tursin il-Għul Xewwieki Thorny Burnet
spinosum (L.) Spach
 [= *Poterium spinosum*
 L.]

Salicaceae

Salix alba L. Żafzafa; Żafzafa Kbir White Willow
Salix pedicellata Żafzafa ż-żghira Mediterranean Willow
 Desfontaines

Solanaceae

Lycium intricatum Għawseg Southern Boxthorn;
 Boissier [= *Lycium* Southern Tea-Tree
europaeum auct. fl.
 Melit. non L. p.p.]

Ulmaceae

Ulmus canescens Nemmiesa; Siħra tan- Hoary Elm; Grey-
 Melville [= *Ulmus* Nemus; Ulmu Leaved Elm
minor Miller subsp.
canescens (Melville)
 K. Browicz & J.
 Zielinski]

Zannichelliaceae

<i>Zannichellia melitensis</i> Brullo, Giusso et Lanfranco [= <i>Zannichellia palustris</i> auct. fl. Melit. non L.; = <i>Z. pedunculata</i> auct. fl. Melit. non Rehb. in Mössler]	Harira tal-Ilma	Maltese Pondweed	Horned-
Zosteraceae			
<i>Zostera marina</i> L.	Alka tas-Salini; Żostera	Eel-Grass; Grass- Wrack	
<i>Zostera noltii</i> Hornemann [= <i>Zostera nana</i> Roth]	Alka tal-Pwales; Żostera Nana	Slender Eel-Grass	

SCHEDULE IV

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

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

- A. Site assessment criteria for a given natural habitat type in Schedule I
- (a) Degree of representativity of the natural habitat type on the site.
 - (b) Area of the site covered by the natural habitat type in relation to the total area covered by that natural habitat type within Malta.
 - (c) Degree of conservation of the structure and functions of the natural habitat type concerned and restoration possibilities.
 - (d) Global assessment of the value of the site for conservation of the natural habitat type concerned.
- B. Site assessment criteria for a given species in Schedule II
- (a) Size and density of the population of the species present on the site in relation to the populations present within Malta.
 - (b) Degree of conservation of the features of the habitat, which are important for the species concerned, and restoration possibilities.
 - (c) Degree of isolation of the population present on the site in relation to the natural range of the species.
 - (d) Global assessment of the value of the site for conservation of the species concerned.
- C. On the basis of these criteria, the competent authority will classify the sites, which it proposed on the national list as sites eligible for identification as sites of National Importance and of International Importance according to their relative value for the conservation of each natural habitat type in Schedule I or each species in Schedule II.

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

STAGE 2: Assessment of the national and international importance of the sites included on the national lists.

1. All the sites identified by the competent authority in Stage 1, which contain priority natural habitat types, and/or species will be considered as sites of National Importance and of International Importance.

2. The assessment of the national and international importance of other sites, i.e. their contribution to maintaining or re-establishing, at a favourable conservation status, a natural habitat in Schedule I or a species in Schedule II and/or to the coherence of the National Ecological Network and the Pan-European Ecological Network will take account of the following criteria:

- (a) relative value of the site at national level;
- (b) geographical situation of the site in relation to migration routes of species in Schedule II;
- (c) total area of the site;
- (d) number of natural habitat types in Schedule I and species in Schedule II present on the site;
- (e) global ecological value of the site for the biogeographical regions concerned, as regards both the characteristic of unique aspect of its features and the way they are combined.

SCHEDULE V

*Substituted by:
L.N. 162 of 2009;
L.N. 322 of 2013.*

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

Interpretation

1. References to taxa higher than genus and/or species are for the purposes of information or classification only.

2. Where required, scientific synonyms of each species or lower taxon are included in brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

(a) ANIMALS

VERTEBRATES

MAMMALS

INSECTIVORA

ERINACEIDAE

Erinaceus algirus

SORICIDAE

Crocidura canariensis

Crocidura sicula

TALPIDAE

Galemys pyrenaicus

MICROCHIROPTERA

All species

MEGACHIROPTERA

PTEROPODIDAE

Rousettus aegyptiacus

RODENTIA

GLIRIDAE

All species except *Glis glis* and *Eliomys quercinus*

SCIURIDAE

Marmota marmota latirostris

Pteromys volans (*Sciuropterus russicus*)

Spermophilus citellus (*Citellus citellus*)

Spermophilus suslicus (*Citellus suslicus*)

Sciurus anomalus

CASTORIDAE

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

CRICETIDAE

Cricetus cricetus (except the Hungarian populations)

Mesocricetus newtoni

MICROTIDAE

Dinaromys bogdanovi

Microtus cabrerai

Microtus oeconomus arenicola

Microtus oeconomus mehelyi

Microtus tatricus

ZAPODIDAE

Sicista betulina

Sicista subtilis

HYSTRICIDAE

Hystrix cristata

CARNIVORA

CANIDAE

Alopex lagopus

Canis lupus (except the Greek populations north of the 39th parallel;

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

URSIDAE

Ursus arctos

MUSTELIDAE

Lutra lutra

Mustela eversmanii

Mustela lutreola

Vormela peregusna

FELIDAE

Felis silvestris

Lynx lynx (except the Estonian population)

Lynx pardinus

PHOCIDAE

Monachus monachus

Phoca hispida saimensis

ARTIODACTYLA**CERVIDAE**

Cervus elaphus corsicanus

BOVIDAE

Bison bonasus

Capra aegagrus (natural populations)

Capra pyrenaica pyrenaica

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

Ovis orientalis ophion (*Ovis gmelini ophion*)

Rupicapra pyrenaica ornata (*Rupicapra rupicapra ornata*)

Rupicapra rupicapra balcanica

Rupicapra rupicapra tatrlica

CETACEA

All species

REPTILES**TESTUDINATA****TESTUDINIDAE**

Testudo graeca

Testudo hermanni

Testudo marginata

CHELONIIDAE

*Caretta caretta**Chelonia mydas**Lepidochelys kempii**Eretmochelys imbricata*

DERMOCHELYIDAE

Dermochelys coriacea

EMYDIDAE

*Emys orbicularis**Mauremys caspica**Mauremys leprosa*

SAURIA

LACERTIDAE

*Algyroides fitzingeri**Algyroides marchi**Algyroides moreoticus**Algyroides nigropunctatus**Dalmatolacerta oxycephala**Dinarolacerta mosorensis**Gallotia atlantica**Gallotia galloti**Gallotia galloti insulanagae**Gallotia simonyi**Gallotia stehlini**Lacerta agilis**Lacerta bedriagae**Lacerta bonnali (Lacerta monticola)**Lacerta monticola**Lacerta danfordi**Lacerta dugesi**Lacerta graeca**Lacerta horvathi**Lacerta schreiberi**Lacerta trilineata**Lacerta viridis**Lacerta vivipara pannonica**Ophisops elegans*

Podarcis erhardii
Podarcis filfolensis
Podarcis hispanica atrata
Podarcis lilfordi
Podarcis melisellensis
Podarcis milensis
Podarcis muralis
Podarcis peloponnesiaca
Podarcis pityusensis
Podarcis sicula
Podarcis taurica
Podarcis tiliguerta
Podarcis wagleriana

SCINCIDAE

Ablepharus kitaibelli
Chalcides bedriagai
Chalcides ocellatus
Chalcides sexlineatus
Chalcides simonyi (Chalcides occidentalis)
Chalcides viridianus
Ophiomorus punctatissimus

GEKKONIDAE

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

AGAMIDAE

Stellio stellio

CHAMAELEONTIDAE

Chamaeleo chamaeleon

ANGUIDAE

Ophisaurus apodus

OPHIDIA

COLUBRIDAE

Coluber caspius

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

VIPERIDAE

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

BOIDAE

Eryx jaculus

AMPHIBIANS

CAUDATA

SALAMANDRIDAE

Chioglossa lusitanica
Euproctus asper
Euproctus montanus
Euproctus platycephalus
Mertensiella luschani (*Salamandra luschani*)
Salamandra atra
Salamandra aurorae
Salamandra lanzai
Salamandrina terdigitata

Triturus carnifex (*Triturus cristatus carnifex*)

Triturus cristatus (*Triturus cristatus cristatus*)

Triturus italicus

Triturus karelinii (*Triturus cristatus karelinii*)

Triturus marmoratus

Triturus montandoni

Triturus vulgaris ampelensis

PROTEIDAE

Proteus anguinus

PLETHODONTIDAE

Hydromantes (*Speleomantes*) *ambrosii*

Hydromantes (*Speleomantes*) *flavus*

Hydromantes (*Speleomantes*) *genei*

Hydromantes (*Speleomantes*) *imperialis*

Hydromantes (*Speleomantes*) *strinatii* (*Hydromantes* (*Speleomantes*) *italicus*)

Hydromantes (*Speleomantes*) *supramontes*

ANURA

DISCOGLOSSIDAE

Alytes cisternasii

Alytes muletensis

Alytes obstetricans

Bombina bombina

Bombina variegata

Discoglossus galganoi (including *Discoglossus 'jeanneae'*)

Discoglossus montalentii

Discoglossus pictus

Discoglossus sardus

RANIDAE

Rana arvalis

Rana dalmatina

Rana graeca

Rana iberica

Rana italica

Rana latastei

Rana lessonae

PELOBATIDAE

Pelobates cultripes

Pelobates fuscus

Pelobates syriacus

BUFONIDAE

Bufo calamita

Bufo viridis

HYLIDAE

Hyla arborea

Hyla meridionalis

Hyla sarda

FISH

ACIPENSERIFORMES

ACIPENSERIDAE

Acipenser naccarii

Acipenser sturio

SALMONIFORMES

COREGONIDAE

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

CYPRINIFORMES

CYPRINIDAE

Anaocypris hispanica

Phoxinus phoxinus

ATHERINIFORMES

CYPRINODONTIDAE

Valencia hispanica

PERCIFORMES

PERCIDAE

Gymnocephalus baloni

Romanichthys valsanicola

Zingel asper

INVERTEBRATES

ARTHROPODS

CRUSTACEA

ISOPODA

Armadillidium ghardalamensis

INSECTA

COLEOPTERA

Bolbelasmus unicornis

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

LEPIDOPTERA

Apatura metis
Arytrura musculus
Catopta thrips
Chondrosoma fiduciarium
Coenonympha hero
Coenonympha oedippus
Colias myrmidone
Cucullia mixta
Dioszeghyana schmidtii
Erannis ankeraria
Erebia calcaria
Erebia christi
Erebia sudetica

Eriogaster catax
Fabriciana elisa
Glyphipterix loricatella
Gortyna borelii lunata
Hypodryas maturna
Hyles hippophaes
Leptidea morsei
Lignyopectera fumidaria
Lopinga achine
Lycaena dispar
Lycaena helle
Maculinea arion
Maculinea nausithous
Maculinea teleius
Melanagria arge
Nymphalis vaualbum
Papilio alexanor
Papilio hospiton
Parnassius apollo
Parnassius mnemosyne
Phyllometra culminaria
Plebicula golgus
Polymixis rufocincta isolata
Polyommatus eroides
Proserpinus proserpina
Protorebia afra dalmata
Pseudophilotes bavius
Xylomoia strix
Zerynthia polyxena

MANTODEA

Apteromantis aptera

ODONATA

Aeshna viridis
Cordulegaster heros
Cordulegaster trinacriae
Gomphus graslinii
Leucorrhina albifrons

Leucorrhina caudalis

Leucorrhina pectoralis

Lindenia tetraphylla

Macromia splendens

Ophiogomphus cecilia

Oxygastra curtisii

Stylurus flavipes

Sympecma braueri

ORTHOPTERA

Baetica ustulata

Brachytripes megacephalus

Isophya costata

Isophya harzi

Isophya stysi

Myrmecophilus baronii

Odontopodisma rubripes

Paracaloptenus caloptenoides

Pholidoptera transsylvanica

Saga pedo

Stenobothrus (Stenobothrodes) eurasius

ARACHNIDA

ARANEAE

Macrothele calpeiana

MOLLUSCS

GASTROPODA

Anisus vorticulus

Caseolus calculus

Caseolus commixta

Caseolus sphaerula

Chilostoma banaticum

Discula leacockiana

Discula tabellata

Discula testudinalis

Discula turricula

Discus defloratus

Discus guerinianus

Elona quimperiana

Geomalacus maculosus
Geomitra moniziana
Gibbula nivosa
Hygromia kovacsi
Idiomela (Helix) subplicata
Lampedusa imitatrix
Lampedusa melitensis
Leiostyla abbreviata
Leiostyla cassida
Leiostyla corneocostata
Leiostyla gibba
Leiostyla lamellosa
Paladilhia hungarica
Patella feruginea
Sadleriana pannonica
Theodoxus prevostianus
Theodoxus transversalis

BIVALVIA

ANISOMYARIA

Lithophaga lithophaga
Pinna nobilis

UNIONOIDA

Margaritifera auricularia
Unio crassus

DREISSENIDAE

Congeria kusceri

ECHINODERMATA

ECHINOIDEA

Centrostephanus longispinus

(b) PLANTS**PTERIDOPHYTA**

ASPLENIACEAE

Asplenium hemionitis L.
Asplenium jahandiezii (Litard.) Rouy
Asplenium adulterinum Milde

BLECHNACEAE

Woodwardia radicans (L.) Sm.

DICKSONIACEAE

Culcita macrocarpa C. Presl

DRYOPTERIDACEAE

Diplazium sibiricum (Turcz. ex Kunze) Kurata

* *Dryopteris corleyi* Fraser-Jenk.

Dryopteris fragans (L.) Schott

HYMENOPHYLLACEAE

Trichomanes speciosum Willd.

ISOETACEAE

Isoetes boryana Durieu

Isoetes malinverniana Ces. & De Not.

MARSILEACEAE

Marsilea batardae Launert

Marsilea quadrifolia L.

Marsilea strigosa Willd.

OPHIOGLOSSACEAE

Botrychium simplex Hitchc.

Ophioglossum polyphyllum A. Braun

GYMNOSPERMAE

PINACEAE

* *Abies nebrodensis* (Lojac.) Mattei

ANGIOSPERMAE

AGAVACEAE

Dracaena draco (L.) L.

ALISMATACEAE

* *Alisma wahlenbergii* (Holmberg) Juz.

Caldesia parnassifolia (L.) Parl.

Luronium natans (L.) Raf.

AMARYLLIDACEAE

Leucojum nicaeense Ard.

Narcissus asturiensis (Jordan) Pugsley

Narcissus calcicola Mendoça

Narcissus cyclamineus DC.

Narcissus fernandesii G. Pedro

Narcissus humilis (Cav.) Traub

Narcissus longispathus Pugsley

* *Narcissus nevadensis* Pugsley

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

Narcissus scaberulus Henriq.

Narcissus triandrus L.

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

Narcissus viridiflorus Schousboe

ASCLEPIADACEAE

Vincetoxicum pannonicum (Borhidi) Holub

BERBERIDACEAE

Berberis maderensis Lowe

BORAGINACEAE

* *Anchusa crispa* Viv.

Echium russicum J.F.Gemlin

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

Myosotis lusitanica Schuster

Myosotis rehsteineri Wartm.

Myosotis retusifolia R. Afonso

Omphalodes kuzinskyanae Willk.

* *Omphalodes littoralis* Lehm.

* *Onosma tornensis* Javorka

Solenanthus albanicus (Degen & al.) Degen & Baldacci

* *Symphytum cycladense* Pawl.

CAMPANULACEAE

Adenophora lilifolia (L.) Ledeb.

Asyneuma giganteum (Boiss.) Bornm.

* *Campanula bohemica* Hruby

* *Campanula gelida* Kovanda

Campanula morettiiana Reichenb.

Campanula romanica Săvul

* *Campanula sabatia* De Not.

* *Campanula serrata* (Kit.) Hendrych

Campanula zoysii Wulfen

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

Jasione lusitanica A. DC.

Physoplexis comosa (L.) Schur.

CARYOPHYLLACEAE

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

Arenaria humifusa Wahlenberg

- * *Arenaria nevadensis* Boiss. & Reuter
- Arenaria provincialis* Chater & Halliday
- * *Cerastium alsinifolium* Tausch
- Cerastium dinaricum* G. Beck & Szysz.
- Dianthus arenarius* L. subsp. *arenarius*
- * *Dianthus arenarius* subsp. *bohemicus* (Novak) O.Schwarz
- Dianthus cintranus* Boiss. & Reuter subsp. *cintranus* Boiss. & Reuter
- * *Dianthus diutinus* Kit.
- * *Dianthus lumnitzeri* Wiesb.
- Dianthus marizii* (Samp.) Samp.
- * *Dianthus moravicus* Kovanda
- * *Dianthus nitidus* Waldst. et Kit.
- Dianthus plumarius* subsp. *regis-stephani* (Rapcs.) Baksay
- Dianthus rupicola* Biv.
- * *Gypsophila papillosa* P. Porta
- Herniaria algarvica* Chaudhri
- * *Herniaria latifolia* Lapeyr. subsp. *litardierei* Gamis
- Herniaria lusitanica* (Chaudhri) subsp. *berlengiana* Chaudhri
- Herniaria maritima* Link
- * *Minuartia smejkalii* Dvorakova
- Moehringia fontqueri* Pau
- 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
- Silene furcata* Rafin. subsp. *angustiflora* (Rupr.) Walters
- * *Silene hicesiae* Brullo & Signorello
- Silene hifacensis* Rouy ex Willk.
- * *Silene holzmanii* Heldr. ex Boiss.
- Silene longicilia* (Brot.) Otth.
- Silene mariana* Pau
- * *Silene orphanidis* Boiss
- * *Silene rothmaleri* Pinto da Silva
- * *Silene velutina* Pourret ex Loisel.

CHENOPODIACEAE

- * *Bassia (Kochia) saxicola* (Guss.) A. J. Scott
- * *Cremnophyton lanfrancoi* Brullo et Pavone
- * *Salicornia veneta* Pignatti & Lausi

CISTACEAE

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

COMPOSITAE

- * *Anthemis glaberrima* (Rech. f.) Greuter
- Artemisia campestris* L. subsp. *bottnica* A.N. Lundström ex Kindb.
- * *Artemisia granatensis* Boiss.
- * *Artemisia laciniata* Willd.
- Argyranthemum pinnatifidum* (L.f.) Lowe subsp. *succulentum* (Lowe) C. J. Humphries
- Artemisia oelandica* (Besser) Komaror
- * *Artemisia pancicii* (Janka) Ronn.
- * *Aster pyrenaicus* Desf. ex DC
- * *Aster sorrentinii* (Tod) Lojac.
- Carlina onopordifolia* Besser
- * *Carduus myriacanthus* Salzm. ex DC.
- * *Centaurea alba* L. subsp. *heldreichii* (Halacsy) Dostal
- * *Centaurea alba* L. subsp. *princeps* (Boiss. & Heldr.) Gugler
- * *Centaurea akamantis* T. Georgiadis & G. Chatzikyriakou
- * *Centaurea attica* Nyman subsp. *megarensis* (Halacsy & Hayek) Dostal
- * *Centaurea balearica* J. D. Rodriguez
- * *Centaurea borjae* Valdes-Berm. & Rivas Goday
- * *Centaurea citricolor* Font Quer
- Centaurea corymbosa* Pourret
- Centaurea gadorensis* G. Blanca
- * *Centaurea horrida* Badaro
- Centaurea immanuelis-loewii* Degen
- Centaurea jankae* Brandza
- * *Centaurea kalambakensis* Freyn & Sint.
- Centaurea kartschiana* Scop.
- * *Centaurea lactiflora* Halacsy

- Centaurea micrantha* Hoffmanns. & Link subsp. *herminii* (Rouy) Dostál
* *Centaurea niederi* Heldr.
* *Centaurea peucedanifolia* Boiss. & Orph.
* *Centaurea pinnata* Pau
Centaurea pontica Prodan & E. I. Nyárády
Centaurea pulvinata (G. Blanca) G. Blanca
Centaurea rothmalerana (Arènes) Dostál
Centaurea vicentina Mariz
Cirsium brachycephalum Juratzka
* *Crepis crocifolia* Boiss. & Heldr.
Crepis granatensis (Willk.) B. Blanca & M. Cueto
Crepis pusilla (Sommier) Merxmüller
Crepis tectorum L. subsp. *nigrescens*
Erigeron frigidus Boiss. ex DC.
* *Helichrysum melitense* (Pignatti) Brullo et al
Helichrysum sibthorpii Rouy
Hymenostemma pseudanthemis (Kunze) Willd.
Hyoseris frutescens Brullo et Pavone
* *Jurinea cyanoides* (L.) Reichenb.
* *Jurinea fontqueri* Cuatrec.
* *Lamyropsis microcephala* (Moris) Dittrich & Greuter
Leontodon microcephalus (Boiss. ex DC.) Boiss.
Leontodon boryi Boiss.
* *Leontodon siculus* (Guss.) Finch & Sell
Leuzea longifolia Hoffmanns. & Link
Ligularia sibirica (L.) Cass.
* *Palaeocyanus crassifolius* (Bertoloni) Dostal
Picris willkommii (Schultz Bip.) Nyman
Santolina elegans Boiss. ex DC.
Santolina impressa Hoffmanns. & Link
Santolina semidentata Hoffmanns. & Link
Saussurea alpina subsp. *esthonica* (Baer ex Rupr) Kupffer
Senecio caespitosus Brot.
* *Senecio elodes* Boiss. ex DC.
Senecio jacobea L. subsp. *gotlandicus* (Neuman) Sterner
Senecio lagascanus DC. subsp. *lusitanicus* (P. Cout.) Pinto da Silva
Senecio nevadensis Boiss. & Reuter

- * *Serratula lycopifolia* (Vill.) A. Kern
- Tephrosieris longifolia* (Jacq.) Griseb et Schenk subsp. *moravica*
- Wagenitzia lancifolia* (Sieber ex Sprengel) Dostal

CONVOLVULACEAE

- * *Convolvulus argyrothamnus* Greuter
- * *Convolvulus fernandesii* Pinto da Silva & Teles

CRUCIFERAE

- Alyssum pyrenaicum* Lapeyr.
- * *Arabis kennedyae* Meikle
- Arabis sadina* (Samp.) P. Cout.
- Arabis scopoliana* Boiss
- * *Biscutella neustriaca* Bonnet
- Biscutella vincentina* (Samp.) Rothm.
- Boleum asperum* (Pers.) Desvaux
- Brassica glabrescens* Poldini
- Brassica hilarionis* Post
- Brassica insularis* Moris
- * *Brassica macrocarpa* Guss.
- Braya linearis* Rouy
- * *Cochlearia polonica* E. Fröhlich
- * *Cochlearia tatrae* Borbas
- * *Coincya rupestris* Rouy
- * *Coronopus navasii* Pau
- Crambe tataria* Sebeok
- * *Degenia velbitica* (Degen) Hayek
- 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 pienanicum* (Zapal.) Pawl.
- * *Iberis arbuscula* Runemark
- Iberis procumbens* Lange subsp. *microcarpa* Franco & Pinto da Silva
- * *Jonopsidium acaule* (Desf.) Reichenb.
- Jonopsidium savianum* (Caruel) Ball ex Arcang.

Murbeckiella sousae Rothm.

Rhynchosinapis erucastrum (L.) Dandy ex Clapham subsp. *cintrana* (Coutinho) Franco & P. Silva (*Coincya cintrana* (P. Cout.) Pinto da Silva)

Sisymbrium cavanillesianum Valdes & Castroviejo

Sisymbrium supinum L.

Thlaspi jankae A. Kern.

CYPERACEAE

Carex holostoma Drejer

* *Carex panormitana* Guss.

Eleocharis carniolica Koch

DIOSCOREACEAE

* *Borderea chouardii* (Gausson) Heslot

DROSERACEAE

Aldrovanda vesiculosa L.

ELATINACEAE

Elatine gussonei (Sommier) Brullo et al

ERICACEAE

Rhododendron luteum Sweet

EUPHORBIACEAE

* *Euphorbia margalidiana* Kuhbier & Lewejohann

Euphorbia nevadensis Boiss. & Reuter

Euphorbia transtagana Boiss.

GENTIANACEAE

* *Centaurium rigualii* Esteve

* *Centaurium somedanum* Lainz

Gentiana ligustica R. de Vilm. & Chopinet

Gentianella anglica (Pugsley) E. F. Warburg

* *Gentianella bohémica* Skalicky

GERANIACEAE

* *Erodium astragaloides* Boiss. & Reuter

Erodium paularense Fernandez-Gonzalez & Izco

* *Erodium rupicola* Boiss.

GESNERIACEAE

Jankaea heldreichii (Boiss.) Boiss.

Ramonda serbica Pancic

GLOBULARIACEAE

* *Globularia stygia* Orph. ex Boiss.

GRAMINEAE

Arctagrostis latifolia (R. Br.) Griseb.
Arctophila fulva (Trin.) N. J. Anderson
Avenula hackelii (Henriq.) Holub
Bromus grossus Desf. ex DC.
Calamagrostis chalybaea (Laest.) Fries
Cinna latifolia (Trev.) Griseb.
Coleanthus subtilis (Tratt.) Seidl
Festuca brigantina (Markgr.-Dannenb.) Markgr.-Dannenb.
Festuca duriotagana Franco & R. Afonso
Festuca elegans Boiss.
Festuca henriquesii Hack.
Festuca summilusitana Franco & R. Afonso
Gaudinia hispanica Stace & Tutin
Holcus setiglumis Boiss. & Reuter subsp. *duriensis* Pinto da Silva
Micropyropsis tuberosa Romero - Zarco & Cabezudo
Poa granitica Br.-Bl. subsp. *disparilis* (E. I. Nyárády) E. I. Nyárády
* *Poa riphaea* (Ascher et Graebner) Fritsch
Pseudarrhenatherum pallens (Link) J. Holub
Puccinellia phryganodes (Trin.) Scribner + Merr.
Puccinellia pungens (Pau) Paunero
* *Stipa austroitalica* Martinovsky
* *Stipa bavarica* Martinovsky & H. Scholz
Stipa danubialis Dihoru & Roman
* *Stipa styriaca* Martinovsky
* *Stipa veneta* Moraldo
* *Stipa zalesskii* Wilensky
Trisetum subalpestre (Hartman) Neuman

GROSSULARIACEAE

* *Ribes sardoum* Martelli

HIPPURIDACEAE

Hippuris tetraphylla L. Fil.

HYPERICACEAE

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

IRIDACEAE

Crocus cyprius Boiss. et Kotschy*Crocus etruscus* Parl.*Crocus hartmannianus* Holmboe

Gladiolus palustris Gaud.

Iris aphylla L. subsp. *hungarica* Hegi

Iris boissieri Henriq.

Iris humilis Georgi subsp. *arenaria* (Waldst. et Kit.) A. et D. Löve

Iris marisca Ricci & Colasante

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 Turrit

Phlomis cypria Post

Rosmarinus tomentosus Huber-Morath & Maire

Salvia veneris Hedge

Sideritis cypria Post

Sideritis incana subsp. *glauca* (Cav.) Malagarriga

Sideritis javalambrensis Pau

Sideritis serrata Cav. ex Lag.

Teucrium charidemi Sandwith

Teucrium lepicephalum Pau

Teucrium turredanum Losa & Rivas Goday

Thymus capitellatus Hoffmanns. & Link

* *Thymus camphoratus* Hoffmanns. & Link

Thymus carnosus Boiss.

* *Thymus lotocephalus* G. López & R. Morales (*Thymus cephalotos* L.)

Thymus villosus L. subsp. *villosus* L.

LEGUMINOSAE

Anthyllis hystrix Cardona, Contandr. & E. Sierra

* *Astragalus algarbiensis* Coss. ex Bunge

* *Astragalus aquilanus* Anzalone

Astragalus centralpinus Braun-Blanquet

* *Astragalus macrocarpus* DC. subsp. *lefkarensis*

* *Astragalus maritimus* Moris

Astragalus peterfii Jáv.

Astragalus tremolsianus Pau

* *Astragalus verrucosus* Moris

* *Cytisus aeolicus* Guss. ex Lindl.

Genista dorycnifolia Font Quer

Genista holopetala (Fleischm. ex Koch) Baldacci

Melilotus segetalis (Brot.) Ser. subsp. *fallax* Franco

* *Ononis hackelii* Lange

Trifolium saxatile All.

* *Vicia bifoliolata* J.D. Rodriguez

LENTIBULARIACEAE

* *Pinguicula crystallina* Sm.

Pinguicula nevadensis (Lindb.) Casper

LILIACEAE

Allium grosii Font Quer

Androcymbium europeum (Lange) K. Richter

* *Androcymbium rechingeri* Greuter

* *Asphodelus bento-rainhae* P. Silva

Bellevalia hackelli Freyn

* *Chionodoxa lochia* Meikle in Kew Bull.

Colchicum arenarium Waldst. et Kit.

Colchicum corsicum Baker

Colchicum cousturieri Greuter

Fritillaria conica Rix

Fritillaria drenovskii Degen & Stoy.

Fritillaria gussichiae (Degen & Doerfler) Rix

Fritillaria obliqua Ker-Gawl.

Fritillaria rhodocanakis Orph. ex Baker

Hyacinthoides vicentina (Hoffmans. & Link) Rothm.

* *Muscari gussonei* (Parl.) Tod.

Ornithogalum reverchonii Degen & Herv. -Bass.

Scilla beirana Samp.

Scilla litardierei Breist.

* *Scilla morrisii* Meikle

Scilla odorata Link

Tulipa cypria Stapf

Tulipa hungarica Borbas

LINACEAE

* *Linum dolomiticum* Borbas

* *Linum muelleri* Moris (*Linum maritimum muelleri*)

LYTHRACEAE

* *Lythrum flexuosum* Lag.

MALVACEAE

Kosteletzkya pentacarpos (L.) Ledeb.

NAJADACEAE

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

Najas tenuissima (A. Braun) Magnus

OLEACEAE

Syringa josikaea Jacq. Fil. ex Reichenb.

ORCHIDACEAE

Anacamptis urvilleana Sommier et Caruana Gatto

Calypto bulbosa L.

* *Cephalanthera cucullata* Boiss. & Heldr.

Cypripedium calceolus L.

Dactylorhiza kalopissii E. Nelson

Gymnigritella runei Teppner & Klein

Himantoglossum adriaticum Baumann

Himantoglossum caprinum (Bieb.) V. Koch

Liparis loeselii (L.) Rich.

Ophrys argolica Fleischm.

* *Ophrys kotschyi* H. Fleischm. et Soo

* *Ophrys lunulata* Parl.

Ophrys melitensis (Salkowski) J et P Devillers-Terschuren

Orchis scopulorum Simsmerh.

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

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

OROBANCHACEAE

Orobanche densiflora Salzmann ex Reuter in DC.

PAEONIACEAE

Paeonia cambessedesii (Willk.) Willk.

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

Paeonia officinalis L. subsp. *banatica* (Rachel) Soo

Paeonia parnassica Tzanoudakis

PALMAE

Phoenix theophrasti Greuter

PAPAVERACEAE

Corydalis gotlandica Lidén

Papaver laestadianum (Nordh.) Nordh.

Papaver radicum Rottb. subsp. *hyperboreum* Nordh.

PLANTAGINACEAE

Plantago algarbiensis Sampaio (*Plantago bracteosa* (Willk.) G. Sampaio)

Plantago almogravensis Franco

PLUMBAGINACEAE

Armeria berlengensis Daveau

* *Armeria helodes* Martini & Pold

Armeria neglecta Girard

Armeria pseudarmeria (Murray) Mansfeld

* *Armeria rouyana* Daveau

Armeria soleirolii (Duby) Godron

Armeria velutina Welw. ex Boiss. & Reuter

Limonium dodartii (Girard) O. Kuntze subsp. *lusitanicum* (Daveau) Franco

* *Limonium insulare* (Beg. & Landi) Arrig. & Diana

Limonium lanceolatum (Hoffmans. & Link) Franco

Limonium multiflorum Erben

* *Limonium pseudolaetum* Arrig. & Diana

* *Limonium strictissimum* (Salzmann) Arrig.

POLYGONACEAE

Persicaria foliosa (H. Lindb.) Kitag.

Polygonum praelongum Coode & Cullen

Rumex rupestris Le Gall

PRIMULACEAE

Androsace cylindrica DC.

Androsace mathildae Levier

Androsace pyrenaica Lam.

* *Cyclamen fatrense* Halda et Sojak

* *Primula apennina* Widmer

Primula carniolica Jacq.

Primula glaucescens Moretti

Primula nutans Georgi

Primula palinuri Petagna

Primula scandinavica Bruun

Primula spectabilis Tratt.

Soldanella villosa Darracq.

RANUNCULACEAE

* *Aconitum corsicum* Gayer (*Aconitum napellus* subsp. *corsicum*)

Aconitum firmum (Reichenb.) Neilr subsp. *moravicum* Skalicky

Adonis distorta Ten.

Aquilegia alpina L.

Aquilegia bertolonii Schott

Aquilegia kitaibelii Schott

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

* *Consolida samia* P.H. Davis

* *Delphinium caseyi* B.L.Burt

Pulsatilla grandis Wenderoth

Pulsatilla patens (L.) Miller

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

* *Pulsatilla slavica* G. Reuss.

* *Pulsatilla subslavica* Futak ex Goliasova

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

Ranunculus kykkoensis Meikle

Ranunculus lapponicus L.

* *Ranunculus weyleri* Mares

RESEDACEAE

* *Reseda decursiva* Forssk.

ROSACEAE

Agrimonia pilosa Ledebour

Potentilla delphinensis Gren. & Godron

Potentilla emilii-popii Nyárády

* *Pyrus magyarica* Terpo

Sorbus teodorii Liljefors

RUBIACEAE

Galium cracoviense Ehrend.

* *Galium litorale* Guss.

Galium moldavicum (Dobrescu) Franco

* *Galium sudeticum* Tausch

* *Galium viridiflorum* Boiss. & Reuter

SALICACEAE

Salix salvifolia Brot. subsp. *australis* Franco

SANTALACEAE

Thesium ebracteatum Hayne

SAPOTACEAE

Sideroxylon marmulano Banks ex Lowe

SAXIFRAGACEAE

Saxifraga berica (Beguinot) D.A. Webb

Saxifraga cintrana Kuzinsky ex Willk.

Saxifraga florulenta Moretti

Saxifraga hirculus L.

Saxifraga osloënsis Knaben

Saxifraga portosanctana Boiss.

Saxifraga presolanensis Engl.

Saxifraga tombeanensis Boiss. ex Engl.

Saxifraga valdensis DC.

Saxifraga vayredana Luizet

SCROPHULARIACEAE

Antirrhinum charidemi Lange

Antirrhinum lopesianum Rothm.

Chaenorrhinum serpyllifolium (Lange) Lange subsp. *lusitanicum* R. Fernandes

* *Euphrasia genargentea* (Feoli) Diana

Euphrasia marchesettii Wettst. ex Marches.

Linaria algarviana Chav.

Linaria coutinhoi Valdés

Linaria loeselii Schweigger

* *Linaria ficalhoana* Rouy

Linaria flava (Poiret) Desf.

* *Linaria hellenica* Turrill

Linaria pseudolaxiflora Lojacono

* *Linaria ricardoi* Cout.

Linaria tonzigii Lona

* *Linaria tursica* B. Valdes & Cabezudo

Lindernia procumbens (Krocker) Philcox

Odontites granatensis Boiss.

* *Pedicularis sudetica* Willd.

Rhinanthus oesilensis (Ronninger & Saarsoo) Vassilez

Tozzia carpathica Wol.

Verbascum litigiosum Samp.

Veronica micrantha Hoffmanns. & Link

* *Veronica oetaea* L.-A. Gustavsson

SOLANACEAE

* *Atropa baetica* Willk.

Mandragora officinarum L.

THYMELAEACEAE

* *Daphne arbuscula* Celak

Daphne petraea Leybold

* *Daphne rodriguezii* Texidor

Thymelaea broterana P. Cout.

ULMACEAE

Zelkova abelicea (Lam.) Boiss.

UMBELLIFERAE

* *Angelica heterocarpa* Lloyd

Angelica palustris (Besser) Hoffm.

* *Apium bermejoi* Llorens

Apium repens (Jacq.) Lag.

Athamanta cortiana Ferrarini

Bunium brevifolium Lowe

* *Bupleurum capillare* Boiss. & Heldr.

* *Bupleurum kakiskalae* Greuter

Eryngium alpinum L.

* *Eryngium viviparum* Gay

* *Ferula sadleriana* Lebed.

Hladnikia pastinacifolia Reichenb.

* *Laserpitium longiradium* Boiss.

* *Naufraga balearica* Constans & Cannon

* *Oenanthe conioides* Lange

Petagnia saniculifolia Guss.

Rouya polygama (Desf.) Coincy

* *Seseli intricatum* Boiss.

Seseli leucospermum Waldst. et Kit

Thorella verticillatinundata (Thore) Briq.

VALERIANACEAE

Centranthus trinervis (Viv.) Beguinot

VIOLACEAE

Viola athis W. Becker

Viola cazorlensis Gandoger

Viola delphinantha Boiss.

* *Viola hispida* Lam.

Viola jaubertiana Mares & Vigineix

Viola rupestris F.W. Schmidt subsp. *relicta* Jalas

SPECIES FOR MACARONESIA

PTERIDOPHYTA

HYMENOPHYLLACEAE

Hymenophyllum maderensis Gibby & Lovis

DRYOPTERIDACEAE

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

ISOETACEAE

Isoetes azorica Durieu & Paiva ex. Milde

MARSILEACEAE

* *Marsilea azorica* Launert & Paiva

ANGIOSPERMAE

ASCLEPIADACEAE

Carulluma burchardii N. E. Brown

* *Ceropegia chrysantha* Svent.

BORAGINACEAE

Echium candicans L. fil.

* *Echium gentianoides* Webb & Coincy

Myosotis azorica H.C. Watson

Myosotis maritima Hichst. in Seub.

CAMPANULACEAE

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

Musschia aurea (L.f.) DC

* *Musschia wollastonii* Lowe

CAPRIFOLIACEAE

* *Sambucus palmensis* Link

CARYOPHYLLACEAE

Spergularia azorica (Kindb.) Lebel

CELASTRACEAE

Maytenus umbellata (R. Br.) Mabb

CHENOPODIACEAE

Beta patula Ait.

CISTACEAE

Cistus chinamadensis Banares & Romero

* *Helianthemum bystropogophyllum* Svent.

COMPOSITAE

Andryala crithmifolia Ait.

* *Argyranthemum lidii* Humphries

Argyranthemum thalassophyllum (Svent.) Hump.

Argyranthemum winterii (Svent.) Humphries

* *Atractylis arbuscula* Svent. & Michaelis

Atractylis preauxiana Schultz.

Calendula maderensis DC.

Cheirolophus duranii (Burchard) Holub

Cheirolophus ghomerytus (Svent.) Holub

Cheirolophus junonianus (Svent.) Holub

Cheirolophus massonianus (lowe) Hansen & Sund.

Cirsium latifolium Lowe

Helichrysum gossypinum Webb

Helichrysum monogynum Burt & Sund.

Hypochoeris oligocephala (Svent. & Bramw.) Lack

* *Lactuca watsoniana* Trel.

* *Onopordum nogalesii* Svent.

* *Onopordum carduelinum* Bolle

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

Phagnalon benettii Lowe

Stemmacantha cynaroides (Chr. Son. in Buch) Ditt

Sventenia bupleuroides Font Quer

* *Tanacetum ptarmiciflorum* Webb & Berth

CONVOLVULACEAE

* *Convolvulus caput-medusae* Lowe

* *Convolvulus lopes-socasii* Svent.

* *Convolvulus massonii* A. Dietr.

CRASSULACEAE

Aeonium gomeraense Praeger

Aeonium saundersii Bolle

Aichryson dumosum (Lowe) Praeg.

Monanthes wildpretii Banares & Scholz

Sedum brissemoretti 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* Raomer & 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 lemmaniana* 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 Krammer

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

Substituted by:
L.N. 322 of 2013.

SCHEDULE VI

**ANIMAL AND PLANT SPECIES OF NATIONAL INTEREST
IN NEED OF STRICT PROTECTION**

Interpretation

1. The abbreviation "spp." following the name of a genus is used to denote all species within that genus.
2. Other references to taxa higher than genus and/or species are for the purposes of information or classification only.
3. The abbreviation "(s.l.)", meaning 'sensu lato' is used to indicate that the scientific name is used in its most extended meaning.
4. In the case of the species marked with "+", members responsible for public security and civil protection may take any necessary steps to ensure that there are no risks for bathers and for any other person in or at sea.

5. Where required, scientific synonyms of each species or lower taxon are included in square brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

6. A number of scientific names are followed by the abbreviations 'auct. fl. Melit.' which refers to the scientific name(s) with which that particular taxon is and/or was recorded in Maltese biodiversity literature; this scientific name is also of legal value, since in some cases, it represents the only reference to species whose proper scientific identification is still uncertain.

7. Where available, vernacular names, in both Maltese and English have been included for each taxon. This information is included for clarification purposes.

(a) ANIMALS
VERTEBRATES

MAMMALS

INSECTIVORA

Soricidae

<i>Suncus etruscus</i>	Ġurdien ta' Halqu Twil; Ġurdien tal-Munqar; Ġurdien tal-Geddum Twil	Pygmy White-Toothed Shrew
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CARNIVORA

Mustelidae

<i>Mustela nivalis</i>	Ballottra	Weasel
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REPTILES

SAURIA

Gekkonidae

<i>Hemidactylus turcicus</i>	Wiżgħa tad-Djar	Turkish Gecko
<i>Tarentola mauritanica</i>	Wiżgħa tal-Kampanja	Moorish Gecko

OPHIDIA

Colubridae

<i>Coluber algirus</i> [= <i>Hemorrhoides algirus</i>]	Serp l-Aħdar	Algerian Whip Snake
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FISH

ACTINOPTERYGII

**CYPRINODONTI-
FORMES**

Cyprinodontidae

<i>Aphanius fasciatus</i>	Bużaqq	Maltese Killifish
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SYNGNATHIFORMES

Syngnathidae

<i>Hippocampus guttulatus</i> [= <i>Hippocampus ramulosus</i>]	Żiemel tal-Baħar	Long-Snouted Sea-Horse
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<i>Hippocampus hippocampus</i> [= <i>Hippocampus heptagonus</i>]	Žiemel tal-Bahar	Short-Snouted Sea-Horse
ELASMOBRANCHII		
CARCHARHINI-FORMES		
Sphyrnidae		
<i>Sphyrna lewini</i>	-	Scalloped Hammerhead
<i>Sphyrna mokarran</i>	-	Great Hammerhead
<i>Sphyrna zygaena</i>	Kurazza	Common hammerhead
Triakidae		
<i>Galeorhinus galeus</i>	Kelb il-Bahar	Tope Shark
LAMNIFORMES		
Lamnidae		
<i>Carcharodon carcharias</i> +	Kelb il-Bahar +	Great White Shark +
<i>Isurus oxyrinchus</i>	Pixxitondu	Shortfin Mako Shark
<i>Lamna nasus</i>	Pixxiplamtu	Porbeagle Shark
Odontaspidae		
<i>Carcharias taurus</i>	Tawru	Sand Tiger Shark
<i>Odontaspis ferox</i>	Silfjun	Small Tooth Sand Tiger Shark
PRISTIFORMES		
Pristidae		
<i>Pristis pristis</i>	Pixxisega; Pixxiserrieq; Sija	Sawfish
<i>Pristis pectinata</i>		Saw-mouthed Shark
SQUALIFORMES		
Oxynotidae		
<i>Oxynotus centrina</i>	Pixxiporku	Angular Rough Shark
Cetorhinidae		
<i>Cetorhinus maximus</i>	Pixxitonnu	Basking Shark
MYLIOBATIFORMES		
Myliobatidae		
<i>Mobula mobular</i>	Baqra; Manta; Raja tal-Qrun	Devil Ray
Gymnuridae		
<i>Gymnura altavela</i> [= Farfett <i>Pteroplata altavela</i>]		Butterfly Ray
RAJIFORMES		
Rajidae		
<i>Dipturus batis</i> [= <i>Raja batis</i>]	Rebekkin Skur	Blue Grey Skate

Leucoraja melitensis Raja ta' Malta
[=*Raja (Leucoraja)*
melitensis] Maltese Brown Ray

Rostroraja alba [=*Raja* Hamiema
alba] White Skate

Rhinobatidae

Rhinobatos cemiculus Kuntrabaxx Blackchin Guitarfish

Rhinobatos rhinobatos Vjolin Blackchin Guitar fish

SQUATINIFORMES

Squatinae

Squatina aculeata Saw-backed Angel Shark

Squatina oculata Xkatlu tal-Ghajnejn Smooth back Angel Shark

Squatina squatina Xkatlu Angel Shark

INVERTEBRATES

PORIFERA

Aplysina spp. plur (Sponža) Aplysina Sponges

Axinella cannabina Kandilabru (Sponge)

Axinella polypoides Sponža tal-Qrun Common Antlers Sponge

Geodia cydonium Debb (Sponge)

Petrobiona massiliana Sponža Iebsa Stony Sponge

Sarcotragus foetidus (Sponža) Horny Wild Sponge
[=*Ircina foetida*]

Sarcotragus pipetta [= (Sponža) (Sponge)

Ircinia pipetta]

Tethya spp. (Sponža) (Sponge)

CNIDARIA

Antipathes spp. Qroll l-Iswed Black Coral

Astroides calycularis Qroll tad-Dell Star-Coral

Cladocora caespitosa Qroll Abjad Stone Coral; White
Coral

Corallium rubrum Qroll l-Aħmar Precious Coral;
Sardinian Coral; Red
Coral

Errina aspera Qroll; Errina Hydrocoral; Errina

Hornera lichenoides Qroll Falz False Coral

Savalia savaglia [= Qroll Iswed Falz False Black Coral

Gerardia savaglia]

ARTHROPODS

CRUSTACEA

Sessilia

Pachylasma giganteum (Granè) Il-Koççla l-kbira

NOTOSTRACA

Triopsidae

Triops cancriformis Gamblu tal-Elmu Tadpole Shrimp

DECAPODA

Ocypodidae

Ocypode cursor Gran` tar-Ramla Ghost Crab

Potamonidae

Potamon fluviatile Qabru; Gran` tal-Ilma Maltese Freshwater Crab
lanfrancoi Helu

ARACHNIDA

Nemisia arboricola Brimba tal-Bejta Maltese Trap-Door Spider

Roncus melitensis Skorpjun Falz ta' Malta Maltese False Scorpion

INSECTA**COLEOPTERA**

Carabidae

Eurynebria complanata - -

Scarites buparius - -

Buprestidae

Ptosima flavoguttata - -

Scarabeoidea

Oryctes nasicornis Buqarn il-Kbir Large Rhinoceros Beetle

LEPIDOPTERA

Lasiocampidae

Gastropacha quercifolia Werqa Niexfa Lappet Moth

Lasiocampa quercus Bahrija tal-Ballut Oak Eggar

Satyridae

Lasiommata megera Kannella tax-Xemx Wall Brown

Pararge aegeria Kannella tad-Dell Speckled Wood

Noctuidae

Catocala conjuncta Katokala Rari, Bahrija tal-Luq Red Underwing

Catocala elocata Elokata Red Underwing

Catocala nymphaea Katokala Safra Kbira, Bahrija tal-Luq Oak Yellow Underwing

Catocala nymphagoga Katokala Safra Żghira, Bahrija tal-Luq Oak Yellow Underwing

Sphingidae

All species

Hesperiidae

Gegenes pumilio Il-Bahri Pygmy Skipper

Lycaenidae

Aricia agestis Kannelli tal-Anglu Brown Argus

Celastrina argiolus Ikhal Fiddieni Holly Blue

<i>Lampides boeticus</i>	Ikhal tad-Denb Twil	Long-tailed Blue
<i>Lycaena phlaeas</i>	Farfett tas-Selq	Small Copper
<i>Polyommatus icarus</i>	Farfett tal-Anglu	Common Blue
<i>Syntarucus pirthous</i>	Ikhal tad-Denb Qasir	Lang's Short-tailed blue
<i>Zizeeria knysna</i>	Ikhal ta' l-Afrika	African Grass Blue
Nymphalidae		
<i>Coenonympha pamphilus</i>	Kannella Żghir	Small Heath
<i>Maniola jurtina</i>	Kannella Kbir	Meadow Brown
<i>hyperhispulla</i>		
Pieridae		
<i>Gonepteryx cleopatra</i>	Farfett taz-Ziju	Cleopatra
Tineidae		
<i>Morphaga choragella</i>	-	-
ODONATA		
<i>Anax parthenope</i>	-	Parthenope's Dragonfly
<i>Orthetrum trinacria</i>	-	-
<i>Orthetrum brunneum</i>	-	-
NEUROPTERA		
<i>Acanthaclisis baetica</i>	-	-
<i>Italochrysa italica</i>	-	-
MOLLUSCA		
GASTROPODA		
<i>Charonia nodifera</i>	Bronja tal-Fond	Knobbed Triton-Shell
[= <i>Charonia lampas</i> ; <i>C. rubicunda</i> <i>C. nodifera</i>]		
<i>Charonia tritonis</i> s.l.	Bronja tal-Midhna	Variegated Triton-Shell
[= <i>Charonia seguenziae</i> ;		
<i>Dendropoma petraeum</i>	Bebbuxu tal-Blat	Vermetid Snail
<i>Erosaria spurca</i>	Baħbuħa Tigrata	Spotted Cowrie;
[= <i>Cypraea spurca</i> ; <i>Pustularia spurca</i>]		Porcelaine Juane
<i>Luria lurida</i>	Baħbuħa ta' l-Għajnejn	Brown Cowrie;
[= <i>Cypraea lurida</i> ; <i>Talparia lurida</i>]		Mediterranean Cowrie
<i>Mitra zonata</i>	Sigarru	Fusifform Mitre
<i>Muticaria macrostoma mamotica</i>	Dussies tax-Xlendi	Mamo's Door-Snail
[= <i>Clausilia mamotica</i> ; <i>Lampedusa mamotica</i>]		

<i>Muticaria macrostoma scalaris</i> [= <i>Clausilia scalaris</i> ; <i>Lampedusa scalaris</i>]	Dussies tal-Blata	Scalariform Door-Snail
<i>Ranella olearia</i> [= <i>Agrobuccinum olearium</i> ; <i>A. giganteum</i>]	Bronja	Oil Vessel Triton
<i>Schilderia achatidea</i> [= <i>Cypraea achatidea</i> ; <i>Cypraea physis</i> ; <i>Erronea achatidea</i>]	Bahbuħa	Agate Cowrie
<i>Tonna galea</i> [= <i>Dolium galea</i>]	[= Tina tal-Baħar; Sorm il-Baħar	Giant Tun; Mediterranean Tun-Shell
<i>Trochoidea gharlapsi</i>	Žugraga tal-Irdum Ġħar Lapsi	Top Snail
<i>Trochoidea spratti cucullus</i> [= <i>T. cucullus</i> ; <i>Helicella cucullus</i>]	Žugraga tal-Imtaħleb	Top-Snail
<i>Trochoidea spratti despotti</i> [= <i>Trochoidea despotti</i> ; <i>T. pyramidata despotti</i>]	Žugraga ta' Filfla	Filfla Top-Snail
<i>Zonaria pyrum</i> [= <i>Cypraea pyrum</i> ; <i>Erronea pyrum</i>]	Bahbuħa Ħamra	Pear Cowrie/Porcelain Shell

BIVALVIA

<i>Pholas dactylus</i>	Tamra Bajda	Common Piddock
<i>Pinna rudis</i> [= <i>Pinna pernula</i>]	Nakkra tax-Xewk	Rough Pen-Shell
<i>Pisidium</i> spp.	Arzell tal-Ilma Helu	Pea-Mussels

BRYOZOA

<i>Hornera lichenoides</i>	Qroll Falz	False Coral
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ECHINODERMATA

<i>Asterina pancerii</i> [= <i>Asteriscus pancerii</i> ; <i>Asterina gibbosa</i> var. <i>pancerii</i>]	Stilla tal-Baħar	Cushion-Star
<i>Ophidiaster ophidianus</i>	Stilla tal-Baħar; Salib il-Baħar Ħamra	Violet Starfish

(b) PLANTS**RHODOPHYTA**

Lithophyllum byssoides Litofillum Stone-Weed
(Lamarck) Foslie [= *Melobesia lichenoides* (Philippi) Endlicher p.p.; *Lithophyllum lichenoides* Philippi p.p.; *Lithothamnion byssoides* (Lamarck) Philippi; *Goniolithon byssoides* (Lamarck) Foslie]

Titanoderma trochanter Litofillum Stone-Weed
(Bory de Saint-Vincent) Benhissoune, Boudouresque, Perret-Boudouresque & Verlaque [= *Lithophyllum trochanter* (Bory de Saint-Vincent) Huve ex Woelkerling; = *L. byssoides* auct. fl. Melt. non (Lamarck) Forlie]

Ptilophora mediterranea

Tenarea tortuosa Litofillum Stone-Weed
(Esper) Lemoine [= *Lithophyllum tortuosum* (Esper) Foslie; *Tenarea undulosa* Bory Saint-Vincent]

Titanoderma ramosissimum Litofillum Stone-Weed
(Heydrich) Bressan & Cabioch

CHLOROPHYTA

Caulerpa ollivieri Lsien il-Baħar Mediterranean Caulerpa
Dostál

Caulerpa prolifera Lsien il-Baħar Mediterranean Caulerpa
(Forsskål) Lamouroux

FUCOPHYTA

Cystoseira amentacea Ćistosejra Kahla Rainbow Bladder-Weed
Bory de Saint-Vincent s.l.

Cystoseira mediterranea Ćistosejra tal-Mediterran Mediterranean Sea-Fir
Sauvageau

Cystoseira spinosa Ćistosejra (Sea-Fir)
Sauvageau s.l.

<i>Cystoseira zosteroides</i> C. Agardh	Ċistosejra	(Sea-Fir)
<i>Laminaria rodriguezii</i> Bornet	Laminarja	
<i>Sargassum acinarium</i> (Linnaeus) Setchell [= <i>S. linifolium</i> C. Agardh]	Sargassu	(Sargasso-weed)
<i>Sargassum flavifolium</i> Kützting [= <i>S. vulgare</i> var. <i>flavifolium</i> (Kützting) Grunow]	Sargassu	(Sargasso-weed)
<i>Sargassum hornschuchii</i> C. Agardh	Sargassu	(Sargasso-weed)
<i>Sargassum trichocarpum</i> J. Agardh [= <i>S. boryanum</i> Montagne]	Sargassu	(Sargasso-weed)
BRYOPHYTA		
<i>Petalophyllum ralfsii</i> (Wils.) Nees & Gott.	Hepatika; Petalofilla	Liverwort
<i>Riella helicophylla</i> (Mont.) Hook.	Riella; Hepatika ta' l- Ghadira s-Safra	Liverwort
FUNGI		
<i>Boletopsis grisea</i> (Peck) Bondartsev & Singer	Faqqiegħ tal-Żnuber	Pine Boletus
<i>Sarcosphaera coronaria</i> (Jacq.) Boud [= <i>Sarcosphaera crassa</i> (Steudel) Pouzar]	Faqqiegħ tal-Kuruna	Violet Crown-Cup
SALVINIACEAE		
<i>Salvinia natans</i> (L.) All.	Salvinja tal-Ilma	Water Butterfly Wings; Floating Fern
PTERIDOPHYTA		
ASPLENIACEAE		
<i>Asplenium ceterach</i> L. [= <i>Ceterach officinatum</i> DC.]	Felċi tal-Hitan tas-Sejjieh	Rusty-Back Fern
<i>Asplenium marinum</i> L. [= <i>Asplenium lucidum</i> Boccone]	Felċi tal-Bahar; Felċi tal- Irdum	Sea Spleenwort
<i>Asplenium scolopendrium</i> L. [= <i>Scolopendrium vulgare</i> Smith]	Lsien iċ-Ċerv	Hart's Tongue-Fern

<i>Asplenium</i>	Felċi ta' Ghawdex; Felċi	Common Spleenwort;
<i>trichomanes</i> L. [=	tal-Irdum	Maidenhair Spleenwort
<i>Chamaefilix</i>		
<i>trichomanes</i> (L.)		
Farw.]		

PINOPHYTA

CUPRESSACEAE

<i>Tetraclinis articulata</i>	Ghargħar;	Araar Tree; Alerce;
(Vahl) Masters	Sigra tal-Ghargħar	Sandarac Gum Tree
[=	<i>Callitris</i>	
<i>quadrivalvis</i> Venten.		
ex Rich.]		

MAGNOLIOPHYTA

AMARYLLIDACEAE

<i>Pancratium foetidum</i>	Pankrazju tal-Harifa	Stinking Sea Daffodil
Pomel		
<i>Pancratium</i>	Pankrazju; Narċis il-Baħar	Sea Daffodil;
<i>maritimum</i> L.		Sea Pancratium

ARISTOLOCHIACEAE

<i>Aristolochia clusii</i>	Papra Selvaġġa;	Southern Birthwort
Lojacono [= <i>A. longa</i>	Aristolokja	
auct. fl. Melit. non L.]		

ASTERACEAE (=

COMPOSITAE)

<i>Atractylis cancellata</i>	Xewk tal-Gaġġa	Cage Thistle
L.		
<i>Chondrilla juncea</i> L.	Tfief tar-Ramel;	Gum-Chicory;
	Tfief tal-Ghadira	Rush-Leaved Sow-
		Thistle
<i>Otanthus maritimus</i>	Santolina tar-Ramel;	Cottonweed;
(L.) Hoffmannsegg et	Bajda tar-Ramel	Sea Cudweed
Link [= <i>Diotis</i>		
<i>candidissima</i>		
Desfontaines]		
<i>Senecio pygmaeus</i> DC.	Kubrita Nana	Pygmy Groundsel
[=	<i>Senecio</i>	
<i>leucanthemifolius</i>		
Poiret var. <i>pygmaeus</i>		
(DC.) Fiori]		

CRUCIFERACEAE)

<i>Enarthrocarpus</i>	Ravanell tal-Eġittu	Winged Radish
<i>pterocarpus</i>		
<i>Hymenolobus revelieri</i>	Ġargħir ta' Kemmuna	Maltese Hymenolobus
(Jordan) Brullo subsp.		
<i>sommieri</i> (Pampanini)		
Brullo [= <i>Hutchinsia</i>		
<i>procumbens</i> forma		
<i>sommieri</i> Pampanini]		

<i>Matthiola incana</i> (L.) R. Brown subsp. <i>melitensis</i> Brullo, Lanfranco, Pavone et Ronsisvalle	Ġizi ta' Malta	Maltese Stocks
<i>Matthiola lunata</i> DC.	Ġizi ta' Spanja	Spanish Stocks
CARYOPHYLLACEAE		
<i>Silene fruticosa</i> L.	Lsien l-Għasfur tal-Blat	Shrubby Campion
CISTACEAE		
<i>Cistus creticus</i> L. s.l.	Borġhom; Ċistu Roża	Hoary Rockrose
<i>Cistus monspeliensis</i> L.	Borġhom; Ċistu Abjad	White Rockrose
CONVOLVULACEAE		
<i>Calystegia soldanella</i> (L.) Brown [= <i>Convolvulus soldanella</i> L.]	Leblieb tar-Ramel	Sand Bindweed; Sea Bindweed
<i>Cressa cretica</i>	Kressa	Cressa; Salt Cresse; Grey-Leaved Marsh Cresse
CYNOMORIACEAE		
<i>Cynomorium coccineum</i> L.	Gherq Sinjur; Gherq il-General; Żobb l-Art	Malta Fungus
EUPHORBIACEAE		
<i>Euphorbia characias</i> L.	Tengħud tal-Haġar	Large Mediterranean Spurge
<i>Euphorbia melapetala</i> Gasparrini	Tengħud tal-Haġar	Large Sicilian Spurge
<i>Euphorbia paralias</i> L.	Tengħud tar-Ramel	Sea Spurge
<i>Euphorbia terracina</i> L.	Tengħud tax-Xatt	Coast Spurge
FABACEAE		
<i>Lotus halophilus</i> Boissier et Spuner	Għantux tar-Ramel	Sand Restharrow
<i>Ononis oligophylla</i>	Trew tat-Tafal	Few-Leaved Restharrow
HYACINTHACEAE		
<i>Scilla clusii</i> Parlatores s.l. [includes <i>Scilla candida</i> Gussone]	Għansal ta' Malta	Maltese Squill
<i>Scilla peruviana</i> L.	Għansal ta' Malta	Peruvian Squill
<i>Scilla sicula</i> Tineo [= <i>Scilla peruviana</i> L. var. <i>sicula</i> (Tineo) Fiori]	Għansal Ikħal	Sicilian Squill
IRIDACEAE		

<i>Iris aegyptica</i> auct. fl. Fjurdulis tax-Xaghri Melit. non Delil. [= <i>Gynandriris sisyrinchium</i> (L.) Parlatore var. sensu Lanfranco]	Large-Flowered Barbary Nut-Iris
<i>Iris foetidissima</i> L. Fjurdilis tal-Bosk	Gladdon
<i>Iris pseudopumila</i> Bellus Tineo	Southern Dwarf Iris
<i>Iris sicula</i> Todaro [= Fjurdulis Sqalli <i>Iris pallida</i> Lamarck var. <i>sicula</i> (Todaro) Baker]	Sicilian Iris

LAMIACEAE

<i>Mentha suaveolens</i> Nagħniegħ Selvaġġ Ehrhart [= <i>Mentha rotundifolia</i> (L.) Hudson]	Round-Leaved Mint
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LILIACEAE

<i>Tulipa australis</i> Link Tulipan Selvaġġ [= <i>Tulipa sylvestris</i> auct. Melit. non L.]	Wild Tulip
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ORCHIDACEAE

<i>Barlia robertiana</i> Orkida Kbir (Loiseleur) Greuter [= <i>Himantoglossum robertianum</i> (Loiseleur) Delforge]	Giant Orchid
<i>Neotinea maculata</i> Orkida Rqiqu (Desfontaines) Stearn [= <i>Orchis intacta</i> Link; <i>Neotinea intacta</i> (Desfontaines) Reichenbach fil.]	Dense-Flowered Orchid
<i>Ophrys apifera</i> Naħla Hudson [= <i>Ophrys arachnites</i> Miller]	Bee Orchid
<i>Ophrys bertolonii</i> Dubbiena ta' Bertoloni Moretti	Bertoloni's Bee Orchid
<i>Ophrys caesiella</i> Dubbiena ta' Malta Delforge	Maltese Brown Orchid
<i>Ophrys lutea</i> Żunżana l-Kbir Cavanilles [= <i>Ophrys vespifera</i> Brotero]	Yellow Bee Orchid
<i>Ophrys</i> cf. <i>mesaritica</i> Dubbiena Bikrija Paulus, Alibertis et Alibertis [= <i>O. iricolor</i> subsp. <i>mesaritica</i> Alibertis et Alibertis]	Cretan Blue Orchid

<i>Ophrys</i> cf. <i>parosica</i> Dubbiena tat-Tikek Delforge	Paros Brown Orchid
<i>Ophrys fuciflora</i> (F.W. Brimba Schmidt) Moench [= <i>Ophrys holosericea</i> auct. fl. Melit. non (Burm.) Greuter]	Late Spider Orchid
<i>Ophrys fusca</i> Link Dubbiena l-Kbira s.str.	Brown Orchid; Sombre Bee Orchid
<i>Ophrys fusca</i> Link s.l. Dubbiena	Brown Orchid
<i>Ophrys iricolor</i> Dubbiena Desfontaines s.l. [= <i>O.</i> <i>fusca</i> subsp. <i>iricolor</i> (Desfontaines) Richter s.l.]	Blue Orchid
<i>Ophrys lacaitae</i> Brimba Safra Lojacono [= <i>Ophrys</i> <i>oxyrrhynchos</i> subsp. <i>lacaitae</i> (Lojacono) Del Prete]	Yellow Spider Orchid; Lacaita's Spider Orchid
<i>Ophrys lucifera</i> Dubbiena tar-Rebbiegha Devillers-Terschuren et Devillers	Brown Orchid
<i>Ophrys oxyrrhynchos</i> Brimba ta' Sqallija Todaro [= <i>Ophrys</i> <i>fuciflora</i> subsp. <i>oxyrrhynchos</i> (Todaro) Soó]	Beaked Spider Orchid
<i>Ophrys pallida</i> Dubbiena Milwija Rafinesque [= <i>O.</i> <i>fusca</i> subsp. <i>pallida</i> (Rafinesque) EG Camus	Pale Green Orchid
<i>Ophrys pectus</i> Mutel Dubbiena Milwija [= ? <i>O. pallida</i> auct. fl. Melit. non Rafinesque]	Reflexed Brown Orchid
<i>Ophrys sicula</i> Tineo Żunżana ż-Żghira [= <i>Ophrys minor</i> (Todaro) Paulus et Gack; <i>O. lutea</i> subsp. <i>minor</i> (Todaro) O Danesch et E Danesch]	Yellow Bee Orchid
<i>Ophrys speculum</i> Link Dubbiena Kahla [= <i>Ophrys ciliata</i> Bivona-Bernardi]	Mirror Orchid; Mirror of Venus
<i>Ophrys sphegodes</i> Brimba Miller s.l. [= <i>Ophrys</i> <i>aranifera</i> Hudson s.l.]	Spider Orchid

<i>Ophrys tenthredinifera</i> Nahla Kbir Willdenow s.l [= <i>Ophrys tenoreana</i> Lindley s.l.].	Sawfly Orchid
<i>Orchis conica</i> Orkida tat-Tikek Willdenow [= <i>O. pusilla</i> Tyteca; <i>Neotinea tridentata</i> subsp. <i>Conica</i> (Willdenow) Bateman, Pridgeon et Chase]	Milky Orchid
<i>Orchis italica</i> Poiret Hajja u Mejta tal-Werqa [= <i>Orchis longicruris</i> Fdewxa Link; <i>O. undulatifolia</i> Bivona-Bernardi]	Naked-Man Orchid
<i>Orchis lactea</i> Poiret Orkida tat-Tikek [= <i>O. acuminata</i> Desfontaines; <i>Neotinea lactea</i> (Poiret) Bateman]	Milky Orchid
<i>Orchis longicornu</i> Orkida tal-Qrun Poiret [= <i>Anacamptis longicornu</i> (Poiret) Bateman, Pridgeon et Chase]	Horned Orchid/Long-Spurred Orchid
<i>Orchis morio</i> L. s.l. [= <i>Anacamptis morio</i> (L.) Bateman, Pridgeon et Chase s.l.]	Green Winged Orchid
<i>Orchis papilionacea</i> Farfett L. s.l. [= <i>Anacamptis papilionacea</i> (L.) Bateman, Pridgeon & Chase s.l.]	Pink Butterfly Orchid
<i>Orchis tridentata</i> Orkidi tat-Tikek Scopoli s.l. [= <i>O. variegata</i> Allioni s.l.; <i>Neotinea tridentata</i> (Scopoli) Bateman, Pridgeon et Chase s.l.]	Milky Orchids
<i>Serapias bergonii</i> E.G. Orkida tal-Ilsien ta' Lvant Camus [= <i>Serapias vomeracea</i> subsp. <i>laxiflora</i> (Soó) Gözl et Reinhard]	Eastern Ploughshare
<i>Serapias cordigera</i> L. Orkida tal-Qalb [= <i>Serapias ovalis</i> Rich.]	Heart-Flowered Tongue Orchid
<i>Serapias lingua</i> L. [= <i>Serapias columnae</i> (Rchb. Fil.) Lojacono]	Tongue Orchid; Tongue Serapias

<i>Serapias vomeracea</i> (Burm. fil.) Briquet [= <i>Serapias longipetala</i> (Tenore) Pollini]	Orkida tal-Ilsien Kbir	Ploughshare; Long-Lipped Tongue Orchid
<i>Spiranthes spiralis</i> (L.) Chevallier [= <i>Spiranthes autumnalis</i> L.C.M. Richard]	Hajja u Mejta tal-Harifa	Autumn Lady's Tresses
POACEAE		
<i>Ampelodesma mauritanica</i> (Poiret) Durand et Schinz [= <i>Ampelodesma tenax</i> Link]	Dis	Diss
RANUNCULACEAE		
<i>Ranunculus fontanus</i> C. Presl [= <i>R. ophioglossifolius</i> var. <i>laevis</i> Chabert; <i>R. ophioglossifolius</i> subsp. <i>fontanus</i> (Presl) Hayek]	Ċfolloq ta' Għajn Mula	Pond Spearwort
<i>Ranunculus ophioglossifolius</i> Villars	Ċfolloq tal-Għadajjar	Adder's Tongue Spearwort
ROSACEAE		
<i>Sarcopoterium spinosum</i> (L.) Spach [= <i>Poterium spinosum</i> L.]	Tursin il-Għul Xewwieki	Thorny Burnet
RUBIACEAE		
<i>Putoria calabrica</i> (L.f.) Persoon s.l. [= <i>Asperula calabrica</i> L. fil. s.l.]	Putorja	Stinking Madder
RUPPIACEAE		
<i>Ruppia cirrhosa</i> (Petagna) Grande s.l. [= <i>Ruppia spiralis</i> L. ex Dumortier s.l.]	Ruppja	Spiral Tassel-Pondweed
<i>Ruppia drepanensis</i> Tineo ex Gussone [= <i>Ruppia maritima</i> subsp. <i>drepanensis</i> (Tineo) Maire et Weiller; <i>R. maritima</i> var. <i>drepanensis</i> (Tineo) K. Schum. in Mart.]	Ruppja tal-Għadira	Lesser Tassel-Pondweed

<i>Ruppia maritima</i> L. Ruppja tas-Salini s.l. [= <i>Ruppia rostellata</i> Koch; <i>R. salina</i> Schur]	Beaked Pondweed	Tassel-
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ZANNICHELLIACEAE

<i>Zannichellia melitensis</i> Brullo, Giusso et Lanfranco [= <i>Zannichellia palustris</i> auct. fl. Melit. non L.; = <i>Z. pedunculata</i> auct. fl. Melit. non Rchb. in Mössler]	Harira tal-Ilma Maltese Pondweed	Horned-
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SCHEDULE VII

Substituted by:
L.N. 162 of 2009.

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

The species listed in this Schedule are indicated:

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

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

(a) ANIMALS**VERTEBRATES****MAMMALS****RODENTIA**

Castoridae

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

Cricetidae

Cricetus cricetus (Hungarian populations)

CARNIVORA

Canidae

Canis aureus

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

Lithuanian, Estonian, Polish and Slovak populations)

Mustelidae

Martes martes

Mustela putorius

Felidae

Lynx lynx

Phocidae

All species not mentioned in Schedule V

Viverridae

Genetta genetta

Herpestes ichneumon

DUPLICIDENTATA

Leporidae

Lepus timidus

ARTIODACTYLA

Bovidae

Capra ibex

Capra pyrenaica (except *Capra pyrenaica pyrenaica*)

Rupicapra rupicapra (except *Rupicapra rupicapra balcanica*, *Rupicapra rupicapra ornata* and *Rupicapra rupicapra tatrica*)

AMPHIBIANS

ANURA

Ranidae

Rana esculenta

Rana perezi

Rana ridibunda

Rana temporaria

FISH

PETROMYZONIFORMES

Petromyzonidae

Lampetra fluviatilis

Lethenteron zanandrai

ACIPENSERIFORMES

Acipenseridae

All species not mentioned in Schedule V

CLUPEIFORMES

Clupeidae

Alosa spp.

SALMONIFORMES

Salmonidae

*Thymallus thymallus**Coregonus* spp. (except *Coregonus oxyrhynchus* - anadromous populations in certain sectors of the North Sea)*Hucho hucho**Salmo salar* (only in freshwater)**CYPRINIFORMES**

Cyprinidae

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

Siluridae

*Silurus aristotelis***PERCIFORMES**

Percidae

*Gymnocephalus schraetzer**Zingel zingel***INVERTEBRATES****COELENTERATA****CNIDARIA***Corallium rubrum***MOLLUSCA****GASTROPODA - STYLOMMATOPHORA***Helix pomatia***BIVALVIA - UNIONOIDA**

Margaritiferidae

Margaritifera margaritifera

Unionidae

*Microcondylaea compressa**Unio elongatulus***ANNELIDA****HIRUDINOIDEA - ARHYNCHOBDELLAE**

Hirudinidae

Hirudo medicinalis

ARTHROPODA

CRUSTACEA - DECAPODA

Astacidae

Astacus astacus

Austropotamobius pallipes

Austropotamobius torrentium

Scyllaridae

Scyllarides latus

INSECTA - LEPIDOPTERA

Saturniidae

Graellsia isabellae

(b) PLANTS

ALGAE

RHODOPHYTA

Corallinaceae

Lithothamnion coralloides Crouan frat.

Phymatholithon calcareum (Poll.) Adey & McKibbin

LICHENES

Cladoniaceae

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

BRYOPHYTA

Musci Leucobryaceae

Leucobryum glaucum (Hedw.) AAngstr.

Sphagnaceae

Sphagnum L. spp. (except *Sphagnum pylaisii* Brid.)

PTERIDOPHYTA

Lycopodium spp.

ANGIOSPERMAE

Amaryllidaceae

Galanthus nivalis L.

Narcissus bulbocodium L.

Narcissus juncifolius Lagasca

Compositae)

Arnica montana L.

Artemisia eriantha Ten

Artemisia genipi Weber

Doronicum plantagineum L. subsp. *tournefortii* (Rouy) P. Cout.

Leuzea rhaponticoides Graells

Cruciferae

Alyssum pintadasilvae Dudley.

Malcolmia lacera (L.) DC. subsp. *graccilima* (Samp.) Franco

Murbeckiella pinnatifida (Lam.) Rothm. subsp. *herminii* (Rivas-Martinez)
Greuter & Burdet

Gentianaceae

Gentiana lutea L.

Iridaceae

Iris lusitanica Ker-Gawler

Labiatae

Teucrium salviastrum Schreber subsp. *salviastrum* Schreber

Leguminosae

Anthyllis lusitanica Cullen & Pinto da Silva

Dorycnium pentaphyllum Scop. subsp. *transmontana* Franco

Ulex densus Welw. ex Webb.

Liliaceae

Lilium rubrum Lmk

Ruscus aculeatus L.

Plumbaginaceae

Armeria sampaio (Bernis) Nieto Feliner

Rosaceae

Rubus genevieri Boreau subsp. *herminii* (Samp.) P. Cout.

Scrophulariaceae

Anarrhinum longipedicelatum R. Fernandes

Euphrasia mendonçae Samp.

Scrophularia grandiflora DC. subsp. *grandiflora* DC.

Scrophularia berminii Hoffmanns & Link

Scrophularia sublyrata Brot.

Substituted by:
L.N. 162 of 2009;
L.N. 322 of 2013.

SCHEDULE VIII

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

Interpretation

1. The abbreviation "spp." following the name of a genus is used to denote all species within that genus.
2. Other references to taxa higher than genus and/or species are for the purposes of information or classification only.
3. The abbreviation "(s.l.)", meaning 'sensu lato' is used to indicate that the scientific name is used in its most extended meaning.
4. Where required, scientific synonyms of each species or lower taxon are included in square brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.
5. A number of scientific names are followed by the abbreviations 'auct. fl. Melit.' which refers to the scientific name(s) with which that particular taxon is and/or was recorded in Maltese biodiversity literature; this scientific name is also of legal value, since in some cases, it represents the only reference to species whose proper scientific identification is still uncertain.
6. Where available, vernacular names, in both Maltese and English have been included for each taxon. This information is included for clarification purposes.

**(a) ANIMALS
VERTEBRATES**

FISH**ACTINOPTERYGII****ANGUILLIFORMES**

Anguillidae

<i>Anguilla anguilla</i>	Sallura	Common European Eel
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PERCIFORMES

Serranidae

<i>Epinephelus marginatus</i> [= <i>Epinephelus guaza</i>]	Ċerna	Dusky Grouper
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Scombridae

<i>Thunnus thynnus</i>	Tonn; Tunnaġġ	Blue-Fin Tuna
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Xiphidae

<i>Xiphias gladius</i>	Pixxispad	Swordfish
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Scianidae

<i>Sciaena umbra</i>	Gurbell, Gurbell Tork	Brown Meagre
<i>Umbrina cirrosa</i>	Gurbell, Gurbell tal-Qawwi	Shi Drum, Corb

SYGNATHIFORMES

Syngnathidae

<i>Syngnathus abaster</i>	Gremxula tal-Baħar Halqa Qasir	Black-Striped Pipefish
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CEPHALASPIDO-MORPHI**MYXIONIDAE**

Petromyzonidae

<i>Petromyzon marinus</i>	Qalfat	Sea Lamprey
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ELASMOBRANCHII

LAMNIFORMES

Alopiidae

<i>Alopias vulpinus</i>	Pixxivolpi	Thresher Shark
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CARCHARINIFORMES

Carcharhinidae

<i>Carcharhinus brevipinna</i>	Kelb il-Baħar	Spinner Shark
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<i>Carcharhinus limbatus</i>	Kelb il-Baħar	Blacktip Shark
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<i>Carcharhinus plumbeus</i>	Kelb Griż	Sandbar Shark
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<i>Prionace glauca</i>	Huta Kaħla	Blue Shark
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Triakidae

<i>Mustelus asterias</i>	Mazzola tat-Tbajja	Starry Smooth-hound Shark
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<i>Mustelus mustelus</i>	Mazzola bla Xewka	Common Smooth-hound Shark
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<i>Mustelus punctulatus</i>	Mazzola tat-Tikek Suwed	Blackspotted Smooth-hound Shark
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HEXANCHIFORMES

Hexanchidae

<i>Heptanchias perlo</i>	Murrana ta' Seba' Gargi	Sharpnose Sevengill Shark
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<i>Hexanchus griseus</i>	Murrana ta' Sitt Gargi	Bluntnose Sixgill Shark
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SQUALIFORMES

Centrophoridae

<i>Centrophorus granulosus</i>	Żaġhrun	Gulper Shark
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<i>Squalus acanthias</i>	Mazzola, Mazzola griza	Spur dogfish, Spiny dogfish
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INVERTEBRATES**PORIFERA**

<i>Hippospongia communis</i>	Sponza Xehda	Honeycomb Sponge
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<i>Spongia (Spongia) lamella [=Spongia agaricina]</i>	Widnet l-Iljunfant	Elephant's Ear Sponge
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<i>Spongia officinalis</i>	(<i>Spongia</i>) Sponza tal-Hasil	Greek Bath Sponge
<i>Spongia zimocca</i>	Sponza Lewn il-Ġilda	Leather Sponge
CRUSTACEA		
<i>Homarus gammarus</i>	Iljunfant tal-Baħar	European Lobster
<i>Maja squinado</i>	Ġhaġuza	Spiny Spider Lobster
<i>Palinurus elephas</i>	Awwista	Common Spiny Lobster
<i>Scyllarus latus</i> [= <i>Scyllarides latus</i>]	Ċkala; Ċkala Ħamra	Flat Lobster; European Paddle-Nosed Lobster
<i>Scyllarus pigmaeus</i>	Ċkala	Pygmy Flat Lobster
<i>Scyllarus arctus</i>	Ċkala	Small Flat Lobster
ECHINODERMATA		
<i>Paracentrotus lividus</i>	Rizza	Stony Sea-Urchin; Rock-Urchin
(b) PLANTS		
HYMENOMYCETES		
<i>Pleurotus eryngii</i> (DC. Ex Fr.) Quel. s.l.	Faqqiegħ tal-Ferla	Oyster Mushroom
LICHENES		
<i>Rocella phycopsis</i> Ach. [= <i>Rocella fucoids</i> Vainio]	Leħjet ix-Xiħ; Hażiż tal-Presepju	Rocella
MAGNOLIOPHYTA		
Amaryllidaceae		
<i>Narcissus elegans</i> (Haworth) Spach	Narċis Imwahħar Skars	Elegant Narcissus
<i>Narcissus tazetta</i> L. s.l.	Narċis; Rarċis	French Daffodil
Apiaceae		
<i>Apium graveolens</i> L.	Karfus Selvaġġ	Wild Celery
Capparaceae		
<i>Capparis orientalis</i> Veillard [= <i>Capparis rupestris</i> Sibthorp & Smith; <i>C. spinosa</i> subsp. <i>rupestris</i> (Sm.) Nyman; <i>C. spinosa</i> var. <i>inermis</i> Turra]	Kappar	Caper Bush
<i>Capparis spinosa</i> L.	Kappar tax-Xewk	Spiny Caper
Cymodoceaceae		
<i>Cymodocea nodosa</i> (Ucria) Ascherson	Alka Rqiqqa; Ċimodoċja	Lesser Neptune-Grass
Ericaceae		
<i>Erica multiflora</i> L.	Erika; Issopu; Savina; Sagħtar Aħmar; Leħjet ix-Xiħ	
Hyacinthaceae		

<i>Ornithogalum arabicum</i> L.	Halib it-Tajr; Hara taç- Çawl	Large Star-of- Bethlehem
<i>Ornithogalum narbonense</i> L.	Halib it-Tajr il-Komuni	Southern Star-of- Bethlehem
<i>Urginea pancration</i> (Steinheil) Philippe	Ghansar; Basal tal-Ghansar	Maltese Seaside Squill
Lamiaceae (= Labiatae)		
<i>Ballota nigra</i> L. s.l.	Marrubja s-Sewda	Black Horehound
<i>Marrubium vulgare</i> L.	Marrubja l-Bajda	White Horehound
<i>Rosmarinus officinalis</i> L.	Klin	Rosemary
<i>Salvia fruticosa</i> Miller [= <i>Salvia triloba</i> L. fil.]	Salvja Selvaġġa; Salvja ta' Sqallija	Three-Lobed Sage
<i>Salvia officinalis</i> L.	Salvja; Salvja tal-Ikel	Common Sage
<i>Satureja graeca</i> L. s.l. [= <i>Micromeria graeca</i> (L.) Benth. s.l.]	Sagħrija Griega	Greek Savory
<i>Satureja microphylla</i> (D'Urville) Gussone [= <i>Micromeria microphylla</i> (D'Urville) Benth.]	Xpakkapietra; Xaqq il- Blat; Sagħtrija; Spakkapjetra	Maltese Savory
Liliaceae		
<i>Ruscus hypophyllum</i> L.	Belladonna; Rusku	Greater Butcher's Broom
Orchidaceae		
<i>Anacamptis pyramidalis</i> (L.) L.C.M. Richard	Orkida Piramidali	Common Pyramidal Orchid
Ranunculaceae		
<i>Adonis microcarpa</i> DC.	Għallet is-Serduk; Għan is-Serduk; Henna	Pheasant's Eye

SCHEDULE IX

IDENTIFICATION AND MONITORING

1. Ecosystems and habitats which may be classed into one or more of the following:

- containing high diversity;
- large numbers of endemic or threatened species, or wilderness;
- required by migratory species;
- are natural habitats, sites or species of National Importance or of Importance to the Agreement States;
- isolated, unusual, atypical, peculiar natural habitats or biotopes;

- of social, economic, cultural or scientific importance; or,
 - which are representative, unique or associated with key evolutionary or other biological processes;
2. Species, communities and populations which may be classed into one or more of the following:
- endemic or threatened;
 - are species of National Importance or of Importance to the Agreement States;
 - with a restricted distribution in the Maltese Islands, the Mediterranean or within the territory of the Agreement States;
 - isolated, unusual, atypical or peculiar populations of endemic, threatened or common species;
 - wild relatives of domesticated or cultivated species;
 - of medicinal, agricultural or other economic value;
 - of social, scientific or cultural importance; or
 - of importance for research into the conservation and sustainable use of biological diversity, such as indicator species; and
3. Described genomes and genes of social, scientific or economic importance.

SCHEDULE X

ENDEMIC SPECIES NOT COVERED BY REGULATION 26

(a) Animals

<i>Acinopus ambiguus</i> Busewdien tax-Xatt (Dejean)		Shore Ground Beetle
<i>Aleurolobus teucrii</i> Mifsud & Palmeri	-	-
<i>Allophylax picipes melitensis</i> (Baudi)	-	-
<i>Alphasida grossa melitana</i> Hanfusa tal-Fekruna Reitter		Tortoise Darkling Beetle
<i>Attalus melitensis</i> Peyron	-	-
<i>Danacea (Allophanacaea) thymi</i> Liberti & Schembri	-	-
<i>Dasytidius melitensis</i> Dasitidu ta' Malta (Bourgeois)	-	-
<i>Laemostenus (Sphodroides) picicornis melitensis</i> (Fairmaire)	-	-
<i>Mniotype deluccai</i> (Berio)	Melvizza ta' Delucca; Melvizza ta' Valletta	Valletta's Brocade

<i>Muticaria macrostoma</i> Dussies (Cantraine) s.l. excluding <i>M. macrostoma mamotica</i> and <i>M. macrostoma</i> <i>scalaris</i>		Maltese Door-Snail
<i>Omophlus (Omophlus)</i> - <i>melitensis</i> Baudi		-
<i>Otiiorhynchus</i> Otjorinku ta' Malta (<i>Arammichnus</i>) <i>moriger</i> Reitter		-
<i>Phragmatobia fuliginosa</i> Rubin <i>melitensis</i>		Maltese Ruby Tiger Moth
<i>Pimelia rugulosa melitana</i> Hanfusa tar-Raba' Reitter		Maltese Field Beetle
<i>Stenosis melitana</i> -		-
<i>Tentyria laevigata leachi</i> Hanfusa Mogħża Baudi		Leach's Darkling Beetle
<i>Trochoidea spratti</i> Żugraga (Pfeiffer) s.l. excluding <i>T.</i> <i>spratti cucullus</i> and <i>T.</i> <i>spratti despotti</i>		Maltese Top-Snail

(b) Plants

<i>Allium melitense</i> (Sommier Kurrat ta' Malta et Caruana Gatto) Ciferri et Giacomini [= <i>A.</i> <i>ampeloprasum</i> L. var. <i>melitense</i> Sommier et Caruana Gatto]		Maltese Leek
<i>Anthemis urvilleana</i> (DC.) Bebunga tal-Baħar Sommier et Caruana Gatto [= <i>A. secundiramea</i> Bivona ssp. <i>Urvilleana</i> (DC.) Fernandez]		Maltese Sea-Chamomile
<i>Calendula sicula</i> Gussone Suffejra ta' Malta [= <i>Calendula suffruticosa</i> Vahl subsp. <i>fulgida</i> Rafinesque var. <i>gussonii</i> (Lanza) Ohle]		Sicilian Marigold
<i>Chiliadenus bocconei</i> Tulliera ta' Malta Brullo [= <i>Jasonia</i> <i>glutinosa</i> (L.) DC. Auct. fl. Melit.]		Maltese Fleabane
<i>Euphorbia exigua</i> L. var. Tengħud Irqiq ta' Malta <i>pynophylla</i> Kramer et Westra		Maltese Dwarf Spurge
<i>Filago cossyrensis</i> Kabuċċinella ta' Malta Lojacono [= <i>F. pyramidata</i> L. var. <i>gussonei</i> (Fiori) Wagenitz]		Maltese Cudweed

<i>Orobanche muteli</i> FW Budebbus Abjad; Schultz forma <i>melitensis</i> Budebbus ta' l-Ingliza (Beck in Sommer et Caruana Gatto) Lanfranco [= <i>Orobanche melitensis</i> Beck; = <i>Phelipanche nana</i> (Noë) Soják subsp. <i>melitensis</i> (Beck) Soják]	White Broomrape; Maltese Sorrel Broomrape
<i>Urginea pancratiion</i> Ghansar; Basal tal-Ghansar (Steinheil) Philippe [= <i>Urginea maritima</i> (L.) Baker auct. fl. Melit.]	Sea-Side Squill

SCHEDULE XI

**ANIMAL SPECIES OF COMMUNITY INTEREST WHOSE CAPTURE
AND KILLING AND TRANSPORT ARE REGULATED**

The species listed in this Schedule are indicated:

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

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

MAMMALS

CARNIVORA

Canidae

Canis aureus

Canis lupus

Mustelidae

Martes martes

Mustela putorius

Phocidae

All species (except *Monachus monachus*)

Viverridae

Genetta genetta

Herpestes ichneumon

DUPLICIDENTATA

Leporidae

Lepus timidus

ARTIODACTYLA

Bovidae

Capra ibex

Capra pyrenaica (except *Capra pyrenaica pyrenaica*)

Rupicapra rupicapra (except *Rupicapra rupicapra balcanica* and *Rupicapra rupicapra ornata*)

FISH

PETROMYZONIFORMES

Petromyzonidae

Lampetra fluviatilis

Lethenteron zanandrai

ACIPENSERIFORMES

Acipenseridae

All species (except *Acipenser naccarii* and *Acipenser sturio*)

SALMONIFORMES

Salmonidae

Thymallus thymallus

Coregonus spp.

Hucho hucho

Salmo salar (only in fresh water)

Cyprinidae

Barbus spp.

PERCIFORMES

Percidae

Gymnocephalus schraetzer

Zingel zingel

CLUPEIFORMES

Clupeidae

Alosa spp.

SILURIFORMES

Siluridae

Silurus aristotelis

SCHEDULE XII

**PROHIBITED METHODS AND MEANS OF CAPTURE
AND KILLING AND MODES OF TRANSPORT**

SCHEDULE IX (a)

Non-Selective Means

FOR MAMMALS:

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

FOR FISH

- Poison
- Explosives

SCHEDULE IX (b)

Modes of transport

FOR MAMMALS AND FISH

- Aircraft
 - Moving motor vehicles
-