

CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES
OF WILD FAUNA AND FLORA



Nineteenth meeting of the Plants Committee
Geneva (Switzerland), 18-21 April 2011

Periodic review of plant species included in the CITES Appendices

OVERVIEW OF SPECIES UNDER REVIEW

1. This document has been prepared by the Chair of the Working Group on the Periodic Review, with the assistance of the Scientific Authority of Mexico .

Introduction

2. The Periodic Review of the Appendices forms part of the mandate of the scientific committees (Plants Committee and Animals Committee) and its purpose is to review the species already listed in the CITES Appendices in order to determine whether their inclusion remains appropriate, in the light of recent biological and trade information and in compliance with the CITES provisions on the criteria for amending Appendices I and II [Resolution Conf. 9.24 (Rev. CoP15)]. This process is encapsulated in Objective 1.4 of the *CITES Strategic Vision: 2008-2013* (“The Appendices correctly reflect the conservation needs of species”).
3. Resolution Conf. 14.8 (*Periodic Review of the Appendices*) describes the process for selection of species and states in its paragraph b) that the Animals and Plants Committees shall establish a schedule for the Periodic Review and identify a list of taxa they propose to review during the next two intersessional periods between meetings of the Conference of the Parties. The list should be established at the first meeting of the scientific committees after the meeting of the Conference of the Parties.

Background and progress with the reviews under the Periodic Review process

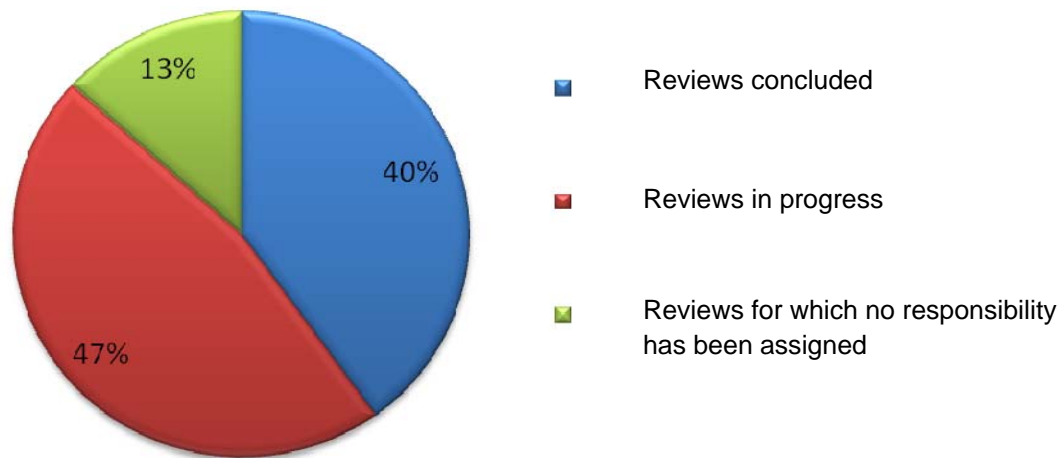
4. After CoP13 (Bangkok, 2004), during its 15th meeting (Geneva, 2005) the Plants Committee agreed to establish a working group (PC15 WG3) to develop a list of species that should be reviewed between the 13th and 15th meetings of the Conference of the Parties, and to set a schedule for their review. The list was amended at the request of the Chair of the Working Group (Jonas Lüthy, Switzerland) and agreed by correspondence. Through Notification to the Parties No. 2005/037, the Secretariat sent out the agreed list of species, in order to obtain feedback from their range States.
5. At its 16th meeting (Lima, 2006), the Plants Committee finalized the selection of taxa to be considered before CoP15. The list consisted of 30 taxa comprising about 103 species (see Table 1, Annex 1).

* *The geographical designations employed in this document do not imply the expression of any opinion whatsoever on the part of the CITES Secretariat or the United Nations Environment Programme concerning the legal status of any country, territory, or area, or concerning the delimitation of its frontiers or boundaries. The responsibility for the contents of the document rests exclusively with its author.*

6. By CoP14 (The Hague, 2007), 8 taxa had already been reviewed, of which 7 taxa (28 spp.) did not require any action. Thus, the review process was completed for 23 % of the taxa and 27 % of the species. However, for 9 taxa (44 spp.), i.e. 30 % of the taxa and 42 % of the species, it was not possible to identify volunteers to carry out the reviews ([document CoP14 Inf. 11](#), prepared by the Chair of the Working Group). The Conference finally adopted amendments proposals for 27 species as a result of the Periodic Review.
7. During PC17 (Geneva, 2008), the Working Group (PC17 WG5) made recommendations on *Agave parviflora*, and reported on the progress in the review of *Podocarpus parlatorei*, *Orothamnus zeyheri*, *Protea odorata*, *Welwitschia mirabilis*, *Euphorbia* spp. and *Cycas bedomei*.
8. Furthermore, in order to make more progress in the review, the Working Group recommended that the Secretariat issue a Notification with the list of taxa and a timetable, requesting the Parties to try to gather the resources to perform the reviews.
9. Finally, this Working Group requested the Plants Committee to allocate funds to conclude the pending revisions, and it undertook to:
 - a) Coordinate and oversee the Periodic Review in the intersessional period and submit a report at PC18.
 - b) Draft guidelines to be presented at PC18 indicating under what circumstances experts might be engaged to conduct the pending plant reviews.
10. During PC18 (Buenos Aires, 2009), Switzerland, as Chair of the Intersessional Working Group, presented a document on the *Periodic Review of Plant Species Included in the CITES Appendices* ([document PC18 Doc. 16.1.1](#)), which included:
 - a) A report on progress in the periodic review of various species;
 - b) The results of the review of *Tillandsia harrisi* (Guatemala), *Podocarpus parlatorei* (Argentina) and the species from Madagascar (relating to the families Euphorbiaceae, Asphodelaceae and Didieraceae);
 - c) Draft Guidelines for the Periodic Review of the Appendices;
 - d) A list of the members and experts of the Working Group on the Periodic Review.
11. The Draft Guidelines for the Periodic Review of the Appendices ([document PC18 Doc. 16.1.1, Annex 2](#)), drawn up by the working group, proposed a two-phase approach:
 - a) Phase A, which included the current guidelines in compliance with Resolution Conf. 14.8,
 - b) Phase B, which included the hiring of experts and would require the creation of an *ad hoc* budget and an amendment to Resolution Conf. 14.8.
12. These draft guidelines were sent to the Animals Committee (AC24, Geneva, April 2009) for approval. However, working group AC24 WG3 recommended that the Animals Committee reject the amendment to the Resolution.
13. At CoP15 (Doha, 2010), the Secretariat presented in the document *Periodic Review of the Appendices* (CoP15 Doc. 62) a draft decision and amendments to Resolutions Conf. 14.8 and 11.1 (Rev. CoP14). However, none of the drafts was adopted.
14. Updated information on the status of the periodic review of the species selected for review between CoP13 and CoP15 has been divided into three groups:
 - a) Annex 2: Taxa whose periodic review has been concluded, regardless of whether or not the reviews led to amendment proposals (12 reviews, 33 species);
 - b) Annex 3: Taxa whose review is in progress (14 reviews, 66 species); and
 - c) Annex 4: Species for which no responsibility to conduct a review has been assigned (4 reviews, 4 species).

15. Figure 1 gives an overall picture of the periodic reviews which are concluded, ongoing and pending.

Figure 1. Progress with the periodic reviews of species to be reviewed between CoP13 and CoP15.



Recommendations to the Plants Committee

16. The Plants Committee may wish to:

- a) Take note of the taxa listed in Annex 2 whose review is concluded.
- b) Take note of the progress with the reviews of the taxa listed in Annex 3.
- c) Identify possible volunteers for reviewing the species listed in Annex 4.
- d) Start selecting species to be reviewed between CoP15 and CoP17 (PC19 Doc. 13.2).
- e) Update the list of members of the Working Group on the Periodic Review (Annex 5).

TAXA SELECTED AFTER PC16 (LIMA, 2006) FOR THE PERIODIC REVIEW
TO BE CONDUCTED BETWEEN COP13 AND COP15

TYPE OF PLANTS	TAXA
Medicinal plants	1. <i>Euphorbia antisyphilitica</i> 2. <i>Dioscorea deltoidea</i> 3. <i>Saussurea costus</i>
Timber species	4. <i>Balmea stormiae</i> 5. <i>Platymiscium pleiostachyum</i> 6. <i>Podocarpus parlatorei</i>
Ornamental plants (small taxa)	7. <i>Agave arizonica</i> 8. <i>Agave parviflora</i> 9. <i>Agave victoriae-reginae</i> 10. <i>Hedychium philippinense</i> 11. <i>Nolina interrata</i> 12. <i>Orothamnus zeyheri</i> 13. <i>Protea odorata</i> 14. <i>Tillandsia harrisii</i> 15. <i>Tillandsia kammii</i> 16. <i>Tillandsia kautskyi</i> 17. <i>Tillandsia mauryana</i> 18. <i>Tillandsia sprengeliana</i> 19. <i>Tillandsia sucrei</i> 20. <i>Shortia galacifolia</i> 21. <i>Welwitschia mirabilis</i>
Ornamental plants (large taxa)	<p style="text-align: center;">Cactaceae</p> 22. <i>Pereskia</i> spp. (16 spp.) 23. <i>Pereskiaopsis</i> spp. (6 spp.) 24. <i>Quiabentia</i> spp. (2 spp.) 25. <i>Sclerocactus</i> spp. 18 spp.) <p style="text-align: center;">Cycadaceae</p> 26. <i>Cycas beddomei</i> <p style="text-align: center;">Didieriaceae</p> 27. <i>Didieraceae</i> spp. (11 spp.) <p style="text-align: center;">Euphorbiaceae</p> 28. Species of <i>Euphorbia</i> in Appendix I (10 spp.) <p style="text-align: center;">Liliaceae</p> 29. Species of <i>Aloe</i> from Madagascar in Appendix I (17 spp.) <p style="text-align: center;">Orchidaceae</p> 30. <i>Peristeria elata</i>

PERIODIC REVIEWS CONCLUDED BETWEEN COP13 AND COP15

Family	Taxon	Country responsible	Status	Observations
1. Agavaceae	<i>Agave arizonica</i>	United States	Concluded	Deleted from Appendix I (CoP14 Prop. 22)
2. Agavaceae	<i>Agave parviflora</i>	United States	Concluded	Maintained in Appendix I
3. Agavaceae	<i>Nolina interrata</i>	United States	Concluded	Transferred from Appendix I to Appendix II, including all parts and derivatives (CoP14 Prop. 23)
4. Bromeliaceae	<i>Tillandsia harrisii</i>	Guatemala	Concluded	Maintained in Appendix II
5. Cactaceae	<i>Pereskia</i> spp. (16 spp.)	Argentina	Concluded	Deleted from Appendix II (CoP14 Prop. 24)
6. Cactaceae	<i>Pereskiaopsis</i> spp. (6 spp.)	Mexico	Concluded	Deleted from Appendix II (CoP14 Prop. 25)
7. Cactaceae	<i>Quiabentia</i> spp. (2 spp.)	Argentina	Concluded	Deleted from Appendix II (CoP14 Prop. 24)
8. Diapensiaceae	<i>Shortia galacifolia</i>	United States	Concluded	Deleted from Appendix II (CoP14 Prop. 28)
9. Podocarpaceae	<i>Podocarpus parlatoarei</i>	Argentina	Concluded	A report was submitted at PC18 recommending its maintenance in Appendix I
10. Proteaceae	<i>Orothamnus zeyheri</i>	South Africa	Concluded	Deleted from Appendix II (CoP15 Prop. 37)
11. Proteaceae	<i>Protea odorata</i>	South Africa	Concluded	Deleted from Appendix II (CoP15 Prop. 38)
12. Euphorbiaceae	<i>Euphorbia antisyphilitica</i>	Mexico	Concluded	Annotation amended "All parts and derivatives, except: ... f) finished products of <i>Euphorbia antisyphilitica</i> packaged and ready for retail trade." (CoP15 Prop. 25)

* The information in this Annex is based on documents PC16 Doc. 11 (Rev. 1), Annex 4; CoP14 Inf. 11, Annex; PC17 Doc. 11, Annex 5 and PC18 Doc. 16.1.1, Annex 7.

PERIODIC REVIEWS IN PROGRESS

Family	Species	Country responsible	Status	Observations
1. Agavaceae	<i>Agave victoriae-reginae</i>	Mexico	Concluded	Results expected for PC19.
2. Bromeliaceae	<i>Tillandsia kautskyi</i>	Brazil	In progress	Review in progress. The information will be submitted to the Chair of the Working Group.
3. Bromeliaceae	<i>T. sprengeliana</i>	Brazil	In progress	Review in progress. The information will be submitted to the Chair of the Working Group.
4. Bromeliaceae	<i>T. sucrei</i>	Brazil	In progress	Review in progress. The information will be submitted to the Chair of the Working Group.
5. Cactaceae	<i>Sclerocactus</i> spp. (18 spp.)	United States	In progress	It is likely that the United States will submit a report on the taxonomic review at PC19.
6. Compositae	<i>Saussurea costus</i>	TRAFFIC/ India	In progress	Results expected for PC19.
7. Cycadaceae	<i>Cycas beddomei</i>	Netherlands	In progress	No responsibilities or experts assigned
8. Didiereaceae	Didiereaceae spp. (11 spp.)	Madagascar	In progress	Check status with Madagascar
9. Euphorbiaceae	<i>Euphorbia</i> spp. App. I (10 spp.)	Madagascar	In progress	Check status with Madagascar
10. Leguminosae	<i>Platymiscium pleiostachyum</i>	Costa Rica	In progress	Report submitted to the Chair on 6 February 2008: problems in obtaining data.
11. Liliaceae	<i>Aloe</i> spp. (17 spp.) App. I	Madagascar	In progress	Check status with Madagascar
12. Orchidaceae	<i>Peristeria elata</i>	Costa Rica	In progress	No report has been submitted.
13. Rubiaceae	<i>Balmea stormae</i>	Costa Rica and Guatemala	In progress	Report submitted to the Chair on 6 February 2008: problems in obtaining data.
14. Welwitschiaceae	<i>Welwitschia mirabilis</i>	Namibia	In progress	Check the status with Namibia

* The information in this Annex is based on documents PC16 Doc. 11 (Rev. 1), Annex 4; CoP14 Inf. 11, Annex; PC17 Doc. 11, Annex 5 and PC18 Doc. 16.1.1, Annex 7.

PLANT SPECIES WHOSE PERIODIC REVIEW IS PENDING

Family	Species	Observations
1. Bromeliaceae	<i>Tillandsia kammi</i>	No responsibilities or experts assigned
2. Bromeliaceae	<i>Tillandsia mauryana</i>	No responsibilities or experts assigned
3. Dioscoreaceae	<i>Dioscorea deltoidea</i>	No responsibilities or experts assigned
4. Zingiberaceae	<i>Hedychium philippinense</i>	No responsibilities or experts assigned

* The information in this Annex is based on documents PC16 Doc. 11 (Rev. 1), Annex 4; CoP14 Inf. 11, Annex; PC17 Doc. 11, Annex 5 and PC18 Doc. 16.1.1, Annex 7.

LIST OF MEMBERS AND EXPERTS OF THE WORKING GROUP ON THE PERIODIC REVIEW*

Country	Name	Email
AR	Alejandro Brown	abrown@proyungas.com.ar
AR	Maria Tonelli	mtonelli@ambiente.gov.ar
BR	Celso do Lago Paiva	celsodolago@hotmail.com
Representative of Central and South America and the Caribbean	Dora Ingrid Rivera	driver@una.ac.cr; dora.ingrid.rivera@gmail.com
DE Hajo	Schmitz-Kretschmer	schmitzh@bfn.de
Representative of Europe	Maurizio Sajeve	Sajeve@unipa.it
FR	Joel Jérémie	jeremie@mnhn.fr
GT	Migdalia Garcia	cites@conap.gob.gt
IWMC	Jaques Berney	iwmcch@attglobal.net
IWMC	Jaques Berney	iwmcch@attglobal.net
MG	Olivia Rakotondrabanja	oliviavololoniaina@yahoo.fr; foretmin@moov.mg
MX	Alejandra Garcia Naranjo	algarcia@xolo.conabio.gob.mx
Representative of North America	Hesiquio Benitez	hbenitez@conabio.gob.mx
MX	Patricia Davila	pdavilaa@servidor.unam.mx
NA	Elly Hamunyela	ehamunyela@africaonline.com.na
NA	Fillemon lifo	fiifo@met.gov.na
NL	Chris Schürmann	c.l.schurmann@minInv.nl
NL	Jan De Koning	dekoning@nhn.leidenuniv.nl
Traffic	David Newton	David.Newton@ewt.org.za
US	Pat Ford	Patricia_Ford@fws.gov
ZA	Marisa Kashorte	Mkashorte@deat.gov.za
ZA	Olga Kumalo	okumalo@deat.gov.za
ZA	Sonja Meintjes	smeintjes@deat.gov.za

* This list is based on the list in document PC18 Doc. 16.1.1, Annex 6.