

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



Sixteenth meeting of the Plants Committee
Lima (Peru), 3-8 July 2006

PERIODIC REVIEW OF PLANT SPECIES INCLUDED IN THE CITES APPENDICES

1. This document has been prepared by the Secretariat.
2. In accordance with Resolution Conf. 11.1 (Rev. CoP13) on Establishment of committees, under the first RESOLVES in Annex 2, paragraph h), the Plants Committee should:

undertake a periodic review of animal or plant species included in the CITES Appendices by:

- i) establishing a schedule for reviewing the biological and trade status of these species;*
 - ii) identifying problems or potential problems concerning the biological status of species being traded;*
 - iii) consulting the Parties on the need to review specific species, working directly with the range States in the selection process, and seeking their assistance in such reviews; and*
 - iv) preparing and submitting amendment proposals resulting from the review, through the Depositary Government, for consideration at meetings of the Conference of the Parties.*
3. At its 51st meeting (Bangkok, October 2004), the Standing Committee adopted comprehensive recommendations on the procedure for undertaking periodic reviews of the Appendices (see Annex 1).
 4. At its 15th meeting (Geneva, May 2005), the Plants Committee agreed on the following list of taxa to be reviewed during the two intersessional periods between the 13th and 15th meetings of the Conference of the Parties:

Medicinal plants

Saussurea costus – Appendix II (1975); Appendix I (1985)

Dioscorea deltoidea – Appendix II (1977, roots only); Annotation #1 (1985)

Timber species

Balmea stormiae – Appendix I (1975)

Platymiscium pleiostachyum – Appendix I (1975); Appendix II with Annotation #1 (1990)

Podocarpus parlatorei – Appendix I (1975)

Ornamental plants, small taxa

Agave arizonica – Appendix I (1983)

Agave parviflora – Appendix I (1983)

Agave victoriae-reginae – Appendix II (1983) – annotation #1 from 1985

Euphorbia antisyphilitica – Appendix II (1975, under succulent *Euphorbia* spp.) – annotation #1 from 1985

Hedychium philippinense – Appendix I (1975); Appendix II with annotation #1 (1992)

Nolina interrata – Appendix I (1983)

Orothamnus zeyheri – Appendix I (1975); Appendix II with annotation #1 (1997)

Protea odorata – Appendix I (1975); Appendix II with annotation #1 (1997)

Shortia galacifolia – Appendix II (1983) – annotation #1 from 1985

Tillandsia spp.: *T. harrisii*, *T. kammii*, *T. kautskyi*, *T. mauryana*, *T. sprengeliana*, *T. sucrei* – Appendix II (1992) with annotation #1

Welwitschia mirabilis – Appendix I (1975); Appendix II with annotation #1 (1990)

Ornamental plants, large taxa

Cactaceae: the genera *Pereskia* and *Peresklopsis* – Appendix II (1975, c. 24 spp.) – annotation #4 from 1985

Sclerocactus – Appendix II (1975, 9 spp.); Appendix I (1983); except for *S. nyensis* – Appendix II in 1985 annotation # 4; Appendix I in 2003

Cycads: *Cycas beddomei* – Appendix II (1977) – annotation #1 from 1985; Appendix I (1987)

Didieraceae spp. – Appendix II (1977, 11 spp.) – annotation #1 added in 1985

Euphorbia spp.: All species in Appendix I (10 spp., Madagascar); Appendix II (1975) – annotation #1 in 1985; Appendix I in 1990 and 1995

Aloe spp.: All Madagascan species in Appendix I (17 spp.)

Orchidaceae spp.: *Peristeria elata* – Appendix I (1975) (change of annotation in 1995)

5. The Secretariat, through Notification to the Parties No. 2005/037 of 19 July 2005, communicated to the Parties the list of candidate taxa for review agreed by the Plants Committee. Range States of these species were requested to send their comments on the need to review these species by 18 September 2005. The comments received are attached to this document as Annex 2.
6. In conformity with paragraph c) in Annex 1, and taking into account the comments in Annexes 2, 3 and 4 to this document, the Plants Committee is requested, in consultation with the Standing Committee, to finalize the selection of plant species to be reviewed before the 15th meeting of the Conference of the Parties.

PERIODIC REVIEW OF THE APPENDICES

Recommendations of the Standing Committee adopted at its 51st meeting (Bangkok, October 2004)

- a) The Animals and Plants Committees should share their experience regarding the undertaking of periodic reviews of species included in the Appendices (including the financing of reviews, the process, the format and output) and establish a schedule for the periodic review of the Appendices, listing the species they propose to review during the next two intersessional periods between meetings of the Conference of the Parties.
- b) The Secretariat should send a copy of this list to all Parties requesting that range States of the species send their comments on the need to review these species to the Secretariat, to relay to the members of the Animals or Plants Committee and of the Standing Committee.
- c) Taking these comments into account, the Animals and Plants Committees should in consultation with the Standing Committee finalize the selection of the species to be reviewed.
- d) The Animals and Plants Committees should conduct or organize the reviews, seeking information from the range States. A draft of each review (in an agreed format) should be provided by the Secretariat to the range States for comment within an agreed timeframe, and these comments should be taken into consideration before the review is considered final.
- e) Inter-governmental bodies having a function in relation to the management or conservation of, or trade in species selected for review should be provided with the relevant draft reviews for comment within an agreed timeframe, and these comments should be taken into consideration when finalizing the review.
- f) The regional representatives of the Animals, Plants and Standing Committees should seek assistance from range States within their region to support the species reviews conducted by the Animals and Plants Committees.
- g) The Animals and Plants Committees are encouraged to follow the guidelines and rapid assessment technique in Annexes 1 and 2 of document SC51 Doc. 16 and their updates when selecting species and conducting the periodic review.
- h) In cases where a review indicates, and the technical Committee concerned agrees, that it would be appropriate to transfer a species from one Appendix to another, or to delete a species from Appendix II, the Animals or Plants Committee should, in consultation with the range States, prepare (or arrange the preparation of) a proposal to amend the Appendices and keep the Standing Committee informed.
- i) The Secretariat on behalf of the Standing Committee should provide copies of the proposal to the range States and request that one or more should submit the proposal for consideration at the following meeting of the Conference of the Parties.
- j) If no range State is willing to submit the proposal, the Secretariat should request the Depositary Government to submit it [as specified in Resolution Conf. 11.1 (Rev. CoP12)] and to include the comments of the range States in the supporting statement.
- k) Proposals resulting from the periodic review of the Appendices must be submitted for decision by the Conference of the Parties.



México, D.F., a 15 de septiembre de 2005

Willem Wijnstekers
 Secretario General
 Secretariado CITES
 P R E S E N T E

Estimado Willem Wijnstekers,

Me dirijo a usted en respuesta a la Notificación 2005/037 sobre el Examen Periódico de especies de flora y fauna incluidas en los Apéndices de la Convención para el Comercio Internacional de Especies Amenazadas de Fauna y Flora Silvestres (CITES) emitida a las Partes el 19 de julio del año en curso en la que se le solicita a las partes indicar su disposición a realizar las revisiones periódicas de varias especies de flora y fauna que quedan pendientes.

Al respecto le informo que en el grupo de trabajo (GT3) de la 15ª Reunión del Comité de Flora "PC15", México se propuso como responsable para examinar los géneros de *Pereskia* y *Pereskioopsis*– Apéndice II (1975) de la familia Cactaceae. Actualmente contamos con el apoyo de un especialista que se encuentra revisando y actualizando la información del género *Pereskioopsis* incluida en el documento que fue elaborado y presentado por Sulza en la CdP 12 (doc 12.45), en el cual se hace una revisión de todas las especies de la Subfamilia *Pereskioideae*, todas las especies del género *Pereskioopsis* y todas las especies del género *Quiabentia*. Con respecto al género *Pereskia*, consideramos que no es pertinente que México realice el examen periódico ya que de las diez y ocho especies del género únicamente una de ellas tiene distribución en México y no es endémica. Sin embargo, estamos dispuestos a colaborar con el país que decida realizar el examen de este género, aportando información de la especie distribuida en México.

En relación con el Examen Periódico de *Euphorbia antisiphilitica*– Apéndice II (1975, bajo *Euphorbia* spp. suculentas) estamos haciendo una revisión de la información disponible y evaluando la necesidad de realizar un estudio de campo. Para ello nos encontramos trabajando de manera coordinada entre las diferentes instituciones gubernamentales relacionadas con la gestión y conservación de la especie. Además se contratará a un especialista que compilará y hará el análisis de toda la información.

COMISIÓN NACIONAL PARA EL CONOCIMIENTO Y USO DE LA BIODIVERSIDAD
 LIGA PERIFÉRICO - INSURGENTES SUR 4903, PARQUES DEL PEDREGAL
 TLALPAN 14010 MÉXICO D.F. TEL. 5528 8100 FAX 5528 9131



C O N A B I O

Septiembre de 2005, veinte años de participación
solidaria desde los años del '85

OF. DEAI-107/2005

En cuanto al examen periódico de especies de fauna, en la 21ª Reunión del Comité de Fauna (AC21) se presentó el informe del estudio de *Ambystoma mexicanum* y la resolución de esta especie por parte del Comité de Fauna quedó pendiente para discutirse en el AC22.

El informe del Estudio de *Dermatemys mawii* también se presentó en el AC21 y quedó pendiente su discusión para el AC22. Actualmente nos encontramos en comunicación electrónica constante con el Grupo de Especialistas de tortugas de la UICN y se le solicitó información adicional a los países del área de distribución, Guatemala, Belice y Honduras. Nos encontramos compilando toda esta información y se tiene planeado tener un taller junto con los países del área de distribución, a principios del 2006 en el que se discutirá el asunto.

Sin otro particular, aprovecho la ocasión para enviarle un cordial saludo,

Atentamente,

Biól. Hesiquio Benítez Díaz
Director de Enlace y Asuntos Internacionales

c.c.p. Mtra. Ana Luisa Guzmán.- Secretaria Ejecutiva.- CONABIO
Dr. José Bernal Stoopen.- Director General de Inspección y Vigilancia de Vida Silvestre-
PROFEPA.
MVZ. Felipe Ramírez Ruíz de Velasco.- Director General- DGVS- SEMARNAT

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PERIODIC REVIEW OF PLANT SPECIES INCLUDED IN THE CITES APPENDICES

1. This document has been prepared by the chairman of the working group on the 'Periodic review of plant species included in the CITES Appendices', PC15 WG3 (Mr Lüthy, alternate member of the Plants Committee for Europe).
2. The list of taxa has been modified after PC15 via correspondence. The Plants Committee should note modifications and is invited to adopt the resulting list below (new species are indicated in brackets):

Medicinal plants (no modifications)

Saussurea costus
Dioscorea deltoidea
Euphorbia antisyphilitica

Timber species (no modifications)

Balmea stormae
Platymiscium pleiostachyum
Podocarpus parlatorei

Ornamental plants, small taxa (no modifications)

Agave arizonica
Agave parviflora
Agave victoriae-reginae
Nolina interrata
Tillandsia harrisii
Tillandsia kammii
Tillandsia kautskyi
Tillandsia mauryana
Tillandsia sprengeliana
Tillandsia sucrei
Shortia galacifolia
Orothamnus zeyheri
Protea odorata
Welwitschia mirabilis
Hedychium philippinense

Ornamental plants, big taxa

Cactaceae
Pereskia spp.
Pereskiaopsis spp.
Quiabentia spp. (new)
Sclerocactus spp.
Discocactus spp. (new)
Melocactus conoideus (new)
Melocactus deinacanthus (new)
Melocactus glaucescens (new)
Melocactus paucispinus (new)

Cycads

Cycas beddomei

Didieraceae

Didieraceae spp.

Succulent euphorbias

Euphorbia, the spp. species in Appendix I

Euphorbia ingens (new)

Euphorbia tirucallii (new)

Aloes

Aloe, the Malagasy species in Appendix I

Aloe arborescens (new)

Orchids

Peristeria elata

3. Taxa covered by voluntary reviewers and the state of reviews, as far as reported to the chairman of the working group, can be seen from the table in Annex 4. Some taxa are not yet under review, as no volunteers have been identified so far.
4. After Notification to the Parties No. 2005/037 of 19 July 2005, the chairman of the working group contacted a number of range States (Argentina, Bolivia, Brazil, India, Madagascar and Peru). Argentina, Brazil and Madagascar responded and submitted contributions, established contacts with national experts or requested further information.
5. It has become obvious that there is a general problem with the review of taxa that occur in more than one range State and which are represented by one or a few species in each range State, such as the genus *Pereskia*. The Plants Committee should discuss this problem and possibly seek alternative ways to review such taxa.
6. The chairman of the working group would like to bring to the attention of the Plants Committee that it may be necessary to allocate funds for the review in cases where no voluntary experts are available and external experts have to be contracted.
7. The chairman of the working group extends his cordial thanks to all contributors.

WG3 (periodic review of the Appendices): taxa and people

Taxon	Appendix and year of listing	Number of species for higher taxa	Range State(s) / Territories	Country(ies) responsible for review	Contact person (e-mail address)	Status of review
<u>Medicinal plants</u>						
<i>Saussurea costus</i>	App. II (1975); App. I (1985)		India, Pakistan			
<i>Dioscorea deltoidea</i>	App. II (1975, roots only); Annotation #1 (1985)		Afghanistan, Bhutan, Cambodia, China, India, Lao People's Democratic Republic, Nepal, Thailand, Viet Nam			
<i>Euphorbia antisyphilitica</i>	App. II (1975, under succulent <i>Euphorbia</i> spp.)		Mexico, United States	Mexico	Hesiquio Benitez Diaz (hbenitez@xolo.conabio.mx), Patricia Davila Aranda (pdavilaa@servidor.unam.mx)	We are currently looking for the expert that will conduct the study.
<u>Timber species</u>						
<i>Balmea stormae</i>	App. I (1975)		El Salvador, Guatemala, Honduras, Mexico			
<i>Platymiscium pleiostachyum</i>	App. I (1975); App. II with Annotation #1 (1990)		Costa Rica, El Salvador, Honduras, Nicaragua	Costa Rica	Dora Ingrid Rivera (drivera@una.ac.cr; dora.ingrid.rivera@gmail.com)	
<i>Podocarpus parlatorei</i>	App. I (1975)		Argentina, Bolivia, Peru	Argentina	Alejandro Brown (abrown@proyungas.com.ar), Pedro G. Blendinger (blendinger@birdecology.com.ar)	report submitted on 16.02.06 and additional report submitted on 22.02.06

Taxon	Appendix and year of listing	Number of species for higher taxa	Range State(s) / Territories	Country(ies) responsible for review	Contact person (e-mail address)	Status of review
<u>Ornamental plants, small taxa</u>						
<i>Agave arizonica</i>	App. I (1983)		United States	United States	Patricia Ford (Patricia_Ford@fws.gov)	
<i>Agave parviflora</i>	App. I (1983)		Mexico, United States	United States	Patricia Ford (Patricia_Ford@fws.gov)	
<i>Agave victoriae-reginae</i>	App. II (1983)		Mexico			
<i>Nolina interrata</i>	App. I (1983)		Mexico, United States	United States	Patricia Ford (Patricia_Ford@fws.gov)	under review by the US Scientific Authority
<i>Tillandsia harrisii</i>	App. II (1992)		Guatemala			
<i>Tillandsia kammii</i>	App. II (1992)		Honduras			
<i>Tillandsia kautskyi</i>	App. II (1992)		Brazil	Brazil	Celso do Lago Paiva (celsodolago@hotmail.com)	
<i>Tillandsia mauryana</i>	App. II (1992)		Mexico			
<i>Tillandsia sprengeliana</i>	App. II (1992)		Brazil	Brazil	Celso do Lago Paiva (celsodolago@hotmail.com)	
<i>Tillandsia sucrei</i>	App. II (1992)		Brazil	Brazil	Celso do Lago Paiva (celsodolago@hotmail.com)	
<i>Shortia galacifolia</i>	App. II (1883)		Mexico, United States	United States	Patricia Ford (Patricia_Ford@fws.gov)	
<i>Orothamnus zeyheri</i>	App. I (1975); App. II with Annotation #1 (1997)		South Africa			
<i>Protea odorata</i>	App. I (1975); App. II with Annotation #1 (1997)		South Africa			
<i>Welwitschia mirabilis</i>	App. I (1975); App. II with Annotation #1 (1990)		Angola, Namibia	Namibia	Elly Hamunyela (ehamunyela@africaonline.com.na)	
<i>Hedychium philippinense</i>	App. I (1975); App. II with Annotation #1 (1992)		Philippines			

Taxon	Appendix and year of listing	Number of species for higher taxa	Range State(s) / Territories	Country(ies) responsible for review	Contact person (e-mail address)	Status of review
<u>Ornamental plants, big taxa</u>						
<u>Cactaceae</u>						
<i>Pereskia</i> spp.	App. II (1975, under Cactaceae spp.)	16 spp.	Argentina, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, French Guiana, Guatemala, Guyana, Honduras, Haiti, Mexico, Netherlands Antilles, Nicaragua, Panama, Peru, Puerto Rico, Paraguay, Suriname, Trinidad and Tobago, United States, Uruguay, Venezuela, Virgin Island (U.S.), Lesser Antilles	<i>P. saccharosa</i> , <i>P. aculeata</i> , <i>P. nemorosa</i> : Argentina	<i>P. saccharosa</i> , <i>P. aculeata</i> , <i>P. nemorosa</i> : Roberto Kiesling (robertokiesling@darwin.edu.ar)	biological and conservation data on spp. from AR submitted on 17.01.06. MX is compiling bibliographical information for <i>P. aculeata</i> in Mexico with the intention of presenting the results at PC16
<i>Pereskiaopsis</i> spp.	App. II (1975, under Cactaceae spp.)	6 spp.	Guatemala, Honduras, Mexico	Mexico	Hesiquio Benitez Diaz (hbenitez@xolo.conabio.mx), Patricia Davila Aranda (pdavilaa@servidor.unam.mx)	In process of a bibliographical compiling of all the available data for the genus with the intention of presenting the results in PC16
<i>Quiabentia</i> spp. (to be approved by PC)	App. II (1975, under Cactaceae spp.)	2 spp.	Brazil, Argentina, Bolivia, Paraguay	<i>Q. zehntneri</i> : Brazil; <i>Q. verticillata</i> : Argentina	<i>Q. zehntneri</i> : Marlon Machado (machado@sysbot.unizh.ch); <i>Q. verticillata</i> : Roberto Kiesling (robertokiesling@darwin.edu.ar)	biological and conservation data on <i>Q. verticillata</i> submitted on 17.01.06
<i>Sclerocactus</i> spp.	App. I: 1 sp. 2003, 8 spp. 1983; all other App. II (1975, under Cactaceae spp.)	18 spp.	Mexico, United States	United States of America	Patricia Ford (Patricia_Ford@fws.gov)	
<i>Discocactus</i> spp.	App. I (1992)	6 spp.	Brazil, Bolivia, Paraguay	Brazil	Marlon Machado (machado@sysbot.unizh.ch)	

Taxon	Appendix and year of listing	Number of species for higher taxa	Range State(s) / Territories	Country(ies) responsible for review	Contact person (e-mail address)	Status of review
<i>Melocactus conoideus</i>	App. I (1992)		Brazil	Brazil	Marlon Machado (machado@sysbot.unizh.ch)	
<i>Melocactus deinacanthus</i>	App. I (1992)		Brazil	Brazil	Marlon Machado (machado@sysbot.unizh.ch)	
<i>Melocactus glaucescens</i>	App. I (1992)		Brazil	Brazil	Marlon Machado (machado@sysbot.unizh.ch)	
<i>Melocactus paucispinus</i>	App. I (1992)		Brazil	Brazil	Marlon Machado (machado@sysbot.unizh.ch)	
<u>Cycads</u>						
<i>Cycas beddomei</i>	App. II (1975); App. I (1987)		India			
<u>Didieraceae</u>						
<i>Didieraceae</i> spp.	App. II (1975)	11 spp.	Madagascar			
<u>Succulent euphorbias (see also under Medicinal plants)</u>						
<i>Euphorbia</i> , the spp. in Appendix I	App. I (1 sp. 1995, all other 1990)	10 spp.	Madagascar			
<i>Euphorbia ingens</i> (to be approved by PC)	App. II (1975, under succulent <i>Euphorbia</i> spp.)		Malawi, South Africa, Zimbabwe			
<i>Euphorbia tirucalli</i> (to be approved by PC)	App. II (1975, under succulent <i>Euphorbia</i> spp.)		Angola, Ethiopia, India, Indonesia, Kenya, Madagascar, Pakistan, Saudi Arabia, United Republic of Tanzania, Uganda, Zimbabwe			
<u>Aloes</u>						
<i>Aloe</i> , the Malagasy species in Appendix I	App. I (1995)	17 spp.	Madagascar			
<i>Aloe arborescens</i> (to be approved by PC)	App. II (1975, under <i>Aloe</i> spp.)		Malawi, Mozambique, South Africa, Swaziland, Zimbabwe			

Taxon	Appendix and year of listing	Number of species for higher taxa	Range State(s) / Territories	Country(ies) responsible for review	Contact person (e-mail address)	Status of review
<u>Orchids</u>						
<i>Peristeria elata</i>	App. I (1975)		Colombia, Costa Rica, El Salvador, Panama, Venezuela	Costa Rica	Dora Ingrid Rivera (drivera@una.ac.cr; dora.ingrid.rivera@gmail.com)	

WG3 participants (focal persons)

- Chile (Rafael Bustamante, Miguel Angel Trivelli)
- Mexico (Hesiquio Benitez, Patricia Davila)
- Namibia (Elly Hamunyela)
- Netherlands (Chris Schürmann)
- Thailand (Manit Jaichagun)
- United States of America (Patricia Ford)
- IWMC (Jaques Berney)
- TRAFFIC (David Newton, Sabri Zain)
- UNEP-WCMC (Harriet Gillett)

Volunteers (ad personam mandates)

- Dora Ingrid Rivera (Costa Rica)
- Marlon Machado (Brazil)
- Roberto Kiesling (Argentina)
- Alejandro Brown (Argentina)
- Celso do Lago Paiva (Brazil)
- Pedro G. Blendinger (Argentina)