

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



Fifteenth meeting of the Conference of the Parties
Doha (Qatar), 13-25 March 2010

Interpretation and implementation of the Convention

Trade control and marking

STANDARD NOMENCLATURE

1. This document has been prepared by the nomenclature specialists of the Animals and Plants Committees.

Introduction

2. At its 14th meeting (CoP14, The Hague 2007) the Conference of the Parties decided that nomenclature issues should no longer be dealt with by a separate Nomenclature Committee but by the Animals Committee (AC) and Plants Committee (PC) who would now include in their membership, respectively, a specialist on zoological nomenclature and a specialist on botanical nomenclature. These specialists are appointed by the Conference of the Parties and are *ex-officio* and non-voting (Res. Conf. 11.1 (Rev. CoP14)). CoP14 appointed Ms Ute Grimm of the Federal Agency for Nature Conservation, Bonn, Germany, as the nomenclature specialist of the Animals Committee and Mr Noel McGough, Royal Botanic Gardens, Kew, United Kingdom of Great Britain and Northern Ireland, as the nomenclature specialist of the Plants Committee.
3. Since CoP14 nomenclature issues were considered by the 23rd and 24th meetings of the Animals Committee (AC23, Geneva, 19-24 April 2008 and AC24 Geneva, 20-24 April 2009) and the 17th and 18th meetings of the Plants Committee (PC17 Geneva, 15-19 April 2008 and PC18 Buenos Aires, 17-21 March 2009). Nomenclature Working Groups were formed at AC23, AC24 and PC18.
4. Besides a short section on the revision and publication of the CITES Appendices this report comprises three parts: an introduction, a section on fauna nomenclature and one on flora nomenclature. Each part covers the main activities conducted since CoP14, the proposed work programme for the next period and a proposed operating budget.
5. Nomenclatural recommendations of the Animals and Plants Committee, calling for decisions of the Conference of the Parties are included in the Annex to this document. No changes for standard references for flora are proposed. The Annex to the document also includes Table 1 and Table 2 which outline the impact of the proposed changes for fauna. Adoption of this report and its Annex signifies that the recommendations made therein are accepted and will become effective with the publication of the new Appendices after the present meeting.
6. As in the past, the nomenclature specialists will, through the Animals and Plants Committees, continue to provide timely services to the Parties and the Secretariat, including: responding to enquiries regarding the nomenclature of taxa listed in the Appendices; designating appropriate taxonomic authorities for the nomenclature of taxa listed in the Appendices that are not included in standard references adopted by the Parties; reviewing the nomenclature of the taxa that have been listed in the Appendices, in consultation with the Secretariat; reviewing the nomenclature of species proposed for listing in the Appendices prior to their consideration at the meetings of the Conference of the Parties; and advising the Secretariat of recommended changes in the nomenclature that should be used in the Appendices.

Revision and Publication of the CITES Appendices

7. At AC24 and PC18 the Committees discussed Documents AC 24.13.1 and PC18.18.1 prepared by the Secretariat, agreed to the suggestions made by the Secretariat and developed a number of recommendations as requested.
8. The Animals Committee recommends the following actions:
 - a) Parties should be encouraged to submit queries regarding nomenclature to the nomenclature specialist as early as possible in advance of submitting any amendment proposal
 - b) An analysis should be undertaken to identify mono-specific taxa listed in the appendices, and where appropriate to prepare proposals to simplify the listing of these taxa to cover the highest taxon possible, without altering the scope of the listing. This would also accelerate the revision of the Appendices in the future
 - c) If nomenclature changes are identified affecting Appendix III listings, the nomenclature specialist of the Animals Committee should advise the Secretariat whether these changes also result in changes in distribution affecting the countries issuing certificates of origin
 - d) A "tool-kit" to facilitate the Parties in putting information into their own databases could be developed, subject to funding. This tool could include data outputs and summaries of nomenclature changes in a variety of electronic formats to suit different types of databases thus assisting Parties to include the changes into their own databases
 - e) A review should be undertaken, subject to funding, of recent proposed changes to the taxonomy and nomenclature of CITES-listed mammals, reptiles and amphibians of Madagascar, with a view to producing checklists to be considered by the Animals Committee in preparation for CoP16.

A draft decision including these recommendations is attached to this report.

Fauna

Nomenclature issues related to CoP14 actions

Glaucidium mooreorum, *Micrastur mintoni* and *Pionopsitta aurantiocephala*

9. As outlined in Notification to the Parties No. 2008/051 the nomenclatural references for these species were erroneously omitted from Resolution Conf. 12.11 (Rev. CoP14). The respective references for these species are:

GABAN-LIMA, R., RAPOSO, M.A. & HOFLING, E. (2002): Description of a new species of *Pionopsitta* (Aves: Psittacidae) endemic to Brazil. – *Auk*, 119: 815-819. [for *Pionopsitta aurantiocephala*]

DA SILVA, J.M.C., COELHO, G. & GONZAGA, P. (2002): Discovered at the brink of extinction: a new species of pygmy-owl (Strigidae: *Glaucidium*) from Atlantic forest of northeastern Brazil. – *Ararajuba*, 10(2): 123-130. [for *Glaucidium mooreorum*]

WHITTAKER, A. (2002): A new species of forest-falcon (Falconidae: *Micrastur*) from southeastern Amazonia and the Atlantic rainforests of Brazil. – *Wilson Bulletin*, 114(4): 421:445. [for *Micrastur mintoni*]

The Animals Committee recommends that these names be recognized under CITES and to add the respective references to Res. Conf. 12.11(Rev. Cop14).

Puma concolor

10. The current standard nomenclature reference for mammals includes taxa to species level and current generally accepted subspecies names. With regard to the species *Puma concolor* the subspecies concept of the reference does not reflect the system according to which certain *Puma* subspecies have been listed on Appendix I and others on Appendix II. As a result certain "new" subspecies include Appendix I as well as Appendix II specimens. This situation has been outlined in Notification to the Parties No. 2008/051.

The AC recommends that WILSON & REEDER (1993) [WILSON, D.E. & REEDER, D.A. (eds)(1993): Mammal species of the world: a taxonomic and geographic reference. 2nd ed. 1207 pp. Washington and London (Smithsonian Institution Press)] to be included in Res. Conf. 12.11 as the standard reference for *Puma concolor*.

Canis lupus familiaris – *Canis lupus dingo*

11. The former standard reference for mammals treated *Canis familiaris* as part of the species *Canis lupus*. This had not been recognized until the adoption of the current mammal reference, which not only considers *Canis familiaris* but, in addition, the Dingo, as subspecies of *Canis lupus*. However, it is quite obvious that neither domesticated forms of the dog nor the Dingo have ever been considered as being covered by the listing of *Canis lupus* in the Appendices. (see also Notification to the Parties No. 2008/051).

The AC recommends that the *Canis lupus* listing be annotated: "Excludes the domesticated form and the dingo which are referenced as *Canis lupus familiaris* and *Canis lupus dingo*."

Lama glama guanicoe – *Lama guanicoe*

12. According to the former standard reference for mammals the valid name for this taxon was *Lama guanicoe*. This was changed to *Lama glama guanicoe* at the last meeting of the Conference of the Parties, in accordance with the 3rd edition of WILSON & REEDER "Mammal species of the world" (2005). *Lama glama* is the older species name, however, the original description is based on the domestic form. GRUBB (in WILSON & REEDER 2005) notes a decision taken by the International Commission for Zoological Nomenclature, which ruled in 2003, (Bulletin of Zoological Nomenclature, vol. 60, Part 1, 31 March 2003) to conserve "the usage of 17 specific species names based on wild species, which are predated by or contemporary with those based on domestic forms." This ruling included the name *Lama guanicoe*.

The AC recommends to change back to the name *Lama guanicoe* based on the ruling of the ICZN and to refer to the 2nd edition of WILSON & REEDER (1993) as standard reference for this taxon.

Published Checklist for Turtles and Tortoises

13. The "Checklist of Chelonians of the World" by FRITZ, U. & HAVAŠ, P. (2007) has now been published.

The AC recommends to replace the current checklist for tortoises and turtles in Res. Conf. 12.11(Rev. CoP14) with the published version but without its appendix so that the *status quo* is maintained.

Recent nomenclatural changes in CITES listed animal species

14. A number of recent nomenclatural changes with relevance to CITES listed species have been identified (AC24 Doc. 13 Rev. 1). The Animals Committee has taken a pragmatic and conservative approach when considering which species/reference combination to recommend for adoption to CoP15.

The nomenclatural changes recommended for adoption are included in the Annex to this document. The Annex also includes information on the necessary amendments to the Appendices required in the case of adoption. Nomenclatural changes not recommended for adoption are listed in Table 2, including information under which valid taxon name they are covered by CITES. Subject to the availability funding, the AC recommends that these names be entered into the UNEP-WCMC species database (where appropriate) as synonyms of the name under which they are listed in CITES.

Harmonization of nomenclature and taxonomy with other multilateral environmental agreements

15. The Animals Committee discussed Document AC 24.13.2 prepared by the Secretariat and developed a number of recommendations as requested. These are reported by the Secretariat in CoP15 Doc. 12)

Proposed work programme

16. There still is a need for the development of taxonomic CITES checklists for corals and papilionid butterflies as outlined in the nomenclature report to CoP14 (CoP14 Doc 8.5). Unfortunately no funds have become available to carry out this work. However, a good contact has been established to a butterfly specialist of

the Canadian CITES authorities who may be able to assist in the development of a taxonomic checklist for papilionid butterflies.

As outlined in the paragraphs above, there are a number of activities recommended to improve the AC's service on nomenclatural issues to the parties and the Secretariat. However, some of these require additional funds, such as to include information on non-valid names as synonyms in the species database of UNEP-WCMC, to develop a tool-kit to assist Parties in up-dating their own databases with regard to nomenclatural changes, or to develop a taxonomic checklist for CITES listed mammals, reptiles and amphibians of Madagascar.

Budget

17. A budget of USD40,000 is proposed for the period between CoP15 and CoP16 to cover expenditure related to its activities concerning the nomenclature of fauna, and particularly those referred to in paragraph 16.

Project/Year	2010	2011	2012	Total
Corals	US8,000	US12,000		US20,000
Papilionidae	US4,000	US4,000		US8,000
Publication			US12,000	US12,000
Total	US12,000	US16,000	US12,000	US40,000

A Draft Decision for the budget of Fauna and Flora Nomenclatural activities is attached to this report.

Flora Nomenclature

18. Nomenclature matters concerning flora were discussed at the 17th and 18th meetings of the Plants Committee (PC17 Geneva, 15-19 April 2008 and PC18 Buenos Aires, 17-21 March 2009). A Nomenclature working group meeting was held on 18th March 2009. All of the documentation for these meetings and the working group report were placed on, and remain available from the CITES Website.

Status of Checklists

19. The *CITES Checklist for Bulbophyllum and allied taxa* (Orchidaceae) was adopted at the 14th meeting of the CITES Conference of the Parties following publication on the CITES website. A draft version of the checklist was first made available for comment on the CITES website in 2005 and Parties informed of this through Notification 2005/049. The comments received by Parties were incorporated in the final text. The Checklist was published in hardcopy in 2009. The production of this comprehensive text was made possible by work carried out by the University of Vienna and financial support from the CITES Management Authority of Austria.

Proposed work plan

Cactus Checklist

20. The CITES Cactaceae Checklist 1999 was adopted as the standard reference for Cactaceae. This volume is now out of print. The New Cactus Lexicon was published in 2006 (Hunt, D. Ed.) compiled and edited by members of the International Cactaceae Systematics Group. This work forms the basis of a revised Cactus Checklist which is currently in preparation by Dr Hunt and subject to funding should be available for adoption by the 16th Meeting of the Conference of the Parties. A format for the checklist was discussed at the 18th meeting of the Plants Committee and the Committee will monitor progress on the Checklist.

To aid implementation of the Convention the editor of the Checklist will, as a first task, provide a list of taxa included in the genus *Opuntia* subgenus *Opuntia*. Separate stem joints (pads) and parts and derivatives thereof of naturalized or artificially propagated plants of the genus *Opuntia* subgenus *Opuntia* are not subject to the provisions of the Convention. However, to date, no definitive list has been available to the Parties of the Convention. As a result, Parties are uncertain on how to apply this exemption. A definitive list will facilitate uniform application of the exemption by all Parties.

Cycad Checklist

21. Conf. 12.11 (Rev. CoP14) states that the CITES standard reference is "A World List of Cycads (D.W. Stevenson, R. Osborne and K.D. Hill, 1995; In: P. Vorster (Ed.), Proceedings of the Third International Conference on Cycad Biology, pp. 55-64, Cycad Society of South Africa, Stellenbosch) and its updates accepted by the Plants Committee, as a guideline when making reference to names of species of Cycadaceae, Stangeriaceae and Zamiaceae."

PC18 reviewed comment from the Parties which requested minor changes in the most recent version of the checklist to make it suitable for CITES use. The CITES Authorities of Italy are funding the production of a training manual on CITES and Cycads. It would seem appropriate, if agreeable to the authors of the Checklist and to the Conference of the Parties that an amended version of the new list be included in that publication. This would make the list available in the standard CITES format in a publication which would be widely distributed to CITES Parties. In addition, enforcement officials would benefit from the additional information available in the training manual. The amended list could then be put for adoption to the next meeting of the Conference of the Parties.

Orchid Checklists

22. Volume 1 of the Checklist which includes the widely-traded genera *Paphiopedilum* and *Phragmipedium* was published in 1995. Work is now ongoing to update this volume of the orchid checklist. A revised text has been produced and reviewed by an international panel of experts. An independent editor will review the final text before it is placed on the CITES website for comment and review by the CITES Parties. Subject to funding, this work should be available for adoption by the 16th meeting of the Conference of the Parties.

Other Issues

Tree-Ferns

23. No reference has been adopted for the genus of Tree-Ferns *Cyathea*. One possible reference source is World Ferns (Hassler and Swale, 2001-). PC18 reviewed this issue and noted a request that Large and Braggins (2004) be reviewed as a suitable text for adoption as a standard reference. It is recommended that no reference be adopted at this time for Tree-Ferns and that the Plants Committee continue its review.

Gonystylus

24. The 17th and 18th Meeting of the Plants Committee reviewed this issue and noted that there is no suitable list available for adoption by the Conference of the Parties. Research institutions are encouraged to target this genus for the research required to allow the development of a definitive checklist to aid CITES Parties in the implementation of this listing.

Aquilaria and *Gyrinops*

25. The 17th and 18th Meeting of the Plants Committee reviewed this issue and noted that there is no suitable list available for adoption by the Conference of the Parties. Scientific institutions are encouraged to target these genera for the research required to allow the development of a definitive checklist to aid CITES Parties in the implementation of these listings.

Harmonization of nomenclature and taxonomy with other multilateral environmental agreements (MEA's)

26. The Plants Committee considered the issues raised in PC18.7.1 and Decision 14.18 (see paragraph 15) and noted that there are diverging objectives for checklists in different MEA's. While target 1 of the CBD Global Strategy for Plant Conservation aims at collecting baseline data, CITES species lists or standard references are operational tools to facilitate the work of the Convention. Any harmonisation effort should take this into account and CITES should retain its ability to adopt standard references appropriate to the needs of the CITES Parties. The Committee also noted as a resource for several MEA's, UNEP-WCMC should play a key role in any harmonisation of nomenclature and taxonomy.

Budget

27. A budget of USD25,000 is proposed for the period between CoP15 and CoP16 to cover expenditure related to its activities concerning the nomenclature of flora, and particularly those referred to in paragraphs 21 and 23.

Project/Year	2011	2012	2013	Total
Orchids	US5,000			US5,000
Cacti	US,8,000			US8,000
Publication	US12,000			US12,000
Total	US25,000			US25,000

A Draft Decision for the budget of Fauna and Flora Nomenclatural activities is attached to this report.

**Recommendations to amend and update the Annex to Resolution Conf. 12.11 (Rev. CoP14)
by changing the list of standard references for animal species
adopted by the Conference of the Parties so that it reads as follows:**

List of standard references adopted by the Conference of the Parties

FAUNA

Mammalia

- WILSON, D. E. & REEDER, D. M. (ed.) (2005): *Mammal Species of the World. A Taxonomic and Geographic Reference*. Third edition, Vol. 1-2, xxxv + 2142 pp. Baltimore (John Hopkins University Press). [for all mammals – with the exception of the recognition of the following names for wild forms of species (in preference to names for domestic forms): *Bos gaurus*, *Bos mutus*, *Bubalus arnee*, *Equus africanus*, *Equus przewalskii*, *Ovis orientalis ophion*; and with the exception of the species mentioned below]
- BEASLEY, I., ROBERTSON, K.M. & ARNOLD, P.W. (2005): Description of a new dolphin, the Australian Snubfin Dolphin, *Orcaella heinsohni* sp. n. (Cetacea, Delphinidae). -- *Marine Mammal Science*, 21(3): 365-400. [for *Orcaella heinsohni*]
- MERKER, S. & GROVES, C.P. (2006): *Tarsius lariang*: A new primate species from Western Central Sulawesi. – *International Journal of Primatology*, 27(2): 465-485. [for *Tarsius lariang*]
- WADA, S., OISHI, M. & YAMADA, T.K. (2003): A newly discovered species of living baleen whales. – *Nature*, 426: 278-281. [for *Balaenoptera omura*]
- WILSON, D. E. & REEDER, D. M. (1993): *Mammal Species of the World: a Taxonomic and Geographic Reference*. Second edition. xviii + 1207 pp., Washington (Smithsonian Institution Press). [for *Loxodonta africana*, *Puma concolor*, *Lama guanicoe* and *Ovis vignei*]

Aves

- MORONY, J. J., BOCK, W. J. & FARRAND, J., Jr. (1975): *Reference List of the Birds of the World*. American Museum of Natural History. 207 pp. [for order- and family-level names for birds]
- DICKINSON, E.C. (ed.) (2003): *The Howard and Moore Complete Checklist of the Birds of the World*. Revised and enlarged 3rd Edition. 1039 pp. London (Christopher Helm). [for all bird species – except for the taxa mentioned below]
- DICKINSON, E.C. (2005): *Corrigenda 4 (02.06.2005) to Howard & Moore Edition 3 (2003)* [for all bird species – except for the taxa mentioned below]
- ARNDT, T. (2008): Anmerkungen zu einigen *Pyrrhura*-Formen mit der Beschreibung einer neuen Art und zweier neuer Unterarten. – *Papageien*, 8: 278-286. [for *Pyrrhura parvifrons*]
- COLLAR, N. J. (1997) *Family Psittacidae (Parrots)*. In DEL HOYO, J., ELLIOT, A. AND SARGATAL, J. (eds.), *Handbook of the Birds of the World, 4 (Sandgrouse to Cuckoos)*: 280-477. Barcelona (Lynx Edicions). [for *Psittacus intermedia* and *Trichoglossus haematodus*]
- COLLAR, N. J. (2006): A partial revision of the Asian babblers (Timaliidae). – *Forktail*, 22: 85-112. [for *Garrulax taewanus*]
- CORTÉS-DIAGO, A., ORTEGA, L. A., MAZARIEGOS-HURTADO, L. & WELLER, A.-A. (2007): A new species of *Eriocnemis* (Trochilidae) from southwest Colombia. -- *Ornitologia Neotropical*, 18: 161-170. [for *Eriocnemis isabellae*]
- DA SILVA, J.M.C., COELHO, G. & GONZAGA, P. (2002): Discovered on the brink of extinction: a new species of pygmy owl (Strigidae: Glaucidium) from Atlantic forest of northeastern Brazil. – *Ararajuba*, 10(2): 123-130. [for *Glaucidium mooreorum*]
- GABAN-LIMA, R. RAPOSO, M.A. & HOFLING, E. (2002): Description of a new species of *Pionopsitta* (Aves: Psittacidae) endemic to Brazil. – *Auk*, 119: 815-819. [for *Pionopsitta aurantiocephala*]
- INDRAWAN, M. & SOMADIKARTA, S. (2004): A new hawk-owl from the Togian Islands, Gulf of Tomini, central Sulawesi, Indonesia. -- *Bulletin of the British Ornithologists' Club*, 124: 160-171. [for *Ninox burhani*]
- NEMESIO, A. & RASMUSSEN, C. (2009): The rediscovery of Buffon's "Guarouba" or "Perriche jaune": two senior synonyms of *Aratinga pinto* SILVEIRA, LIMA & HÖFLING, 2005 (Aves: Psittaciformes). – *Zootaxa*, 2013: 1-16. [for *Aratinga maculata*]
- PARRY, S. J., CLARK, W. S. & PRAKASH, V. (2002) On the taxonomic status of the Indian Spotted Eagle *Aquila hastata*. – *Ibis*, 144: 665-675. [for *Aquila hastate*]
- ROSELAAR, C. S. & MICHELS, J. P. (2004): Nomenclatural chaos untangled, resulting in the naming of the formally undescribed *Cacatua* species from the Tanimbar Islands, Indonesia (Psittaciformes: Cacatuidae). -- *Zoologische Verhandelingen*, 350: 183-196. [for *Cacatua goffiniana*]
- WARAKAGODA, D.H. & RASMUSSEN, P.C. (2004): A new species of scops-owl from Sri Lanka. – *Bulletin of the British Ornithologists' Club*, 124(2): 85-105. [for *Otus thilohoffmanni*]
- WHITTAKER, A. (2002): A new species of forest-falcon (Falconidae: *Micrastur*) from southeastern Amazonia and the Atlantic rainforests of Brazil. – *Wilson Bulletin*, 114: 421-445. [for *Micrastur mintoni*]

Reptilia

- ANDREONE, F., MATTIOLI, F., JESU, R. & RANDRIANIRINA, J. E. (2001): *Two new chameleons of the genus Calumma from north-east Madagascar, with observations on hemipenial morphology in the Calumma furcifer group (Reptilia, Squamata, Chamaeleonidae)* – Herpetological Journal, 11: 53-68. [for *Calumma vatsooa* & *Calumma vencesi*]
- APLIN, K.P., FITCH, A.J. & KING, D.J. (2006): A new species of *Varanus* Merrem (Squamata: Varanidae) from the Pilbara region of Western Australia, with observations on sexual dimorphism in closely related species. – Zootaxa, 1313: 1-38. [for *Varanus bushi*]
- AVILA PIRES, T. C. S. (1995): *Lizards of Brazilian Amazonia* – Zool. Verh. , 299: 706 pp. [for *Tupinambis*]
- BÖHME, W. (1997): *Eine neue Chamäleon-Art aus der Calumma gastrotaenia – Verwandtschaft Ost-Madagaskars* – Herpetofauna (Weinstadt), 19 (107): 5-10. [for *Calumma glawi*]
- BÖHME, W. (2003): *Checklist of the living monitor lizards of the world (family Varanidae)* – Zoologische Verhandelingen. Leiden, 341: 1-43. [for Varanidae]
- BÖHME, W. & ZIEGLER, T. (2005): A new monitor lizard from Halmahera, Moluccas, Indonesia (Reptilia: Squamata: Varanidae). – Salamandra, 41(1/2): 51-59. [for *Varanus zugorum*]
- BRANCH, W.R. (2007): A new species of tortoise of the genus *Homopus* (Chelonia: Testudinidae) from southern Namibia. – African Journal of Herpetology, 56(1): 1-21. [for *Homopus solus*]
- BRANCH, W.R., TOLLEY, K.A. & TILBURY, C.R. (2006): A new Dwarf Chameleon (Sauria: *Bradypodion* Fitzinger, 1843) from the Cape Fold Mountains, South Africa. – African Journal Herpetology, 55(2): 123-141. [for *Bradypodion atromontanum*]
- BROADLEY, D. G. (1999): The southern African python, *Python natalensis* A. Smith 1840, is a valid species. – African Herp News 29: 31-32. [for *Python natalensis*]
- BROADLEY, D. G. (2006): *CITES Standard reference for the species of Cordylus (Cordylidae, Reptilia)* prepared at the request of the CITES Nomenclature Committee [for *Cordylus*]
- BURTON, F.J. (2004): *Revision to Species Cyclura nubila lewisi, the Grand Cayman Blue Iguana* – Caribbean Journal of Science, 40(2): 198-203. [for *Cyclura lewisi*]
- CEI, J. M. (1993): *Reptiles del noroeste, nordeste y este de la Argentina – herpetofauna de las selvas subtropicales, Puna y Pampa* – Monografie XIV, Museo Regionale di Scienze Naturali. [for *Tupinambis*]
- COLLI, G. R., PÉRES, A. K. & DA CUNHA, H. J. (1998): *A new species of Tupinambis (Squamata: Teiidae) from central Brazil, with an analysis of morphological and genetic variation in the genus* – Herpetologica 54: 477-492. [for *Tupinambis cerradensis*]
- DIRKSEN, L. (2002): *Anakondas*. NTV Wissenschaft. [for *Eunectes beniensis*]
- DOMÍNGUEZ, M., MORENO, L.V. & HEDGES, S.B. (2006): A new snake of the genus *Tropidophis* (Tropidophiidae) from the Guanahacabibes Peninsula of Western Cuba. – Amphibia-Reptilia, 27 (3): 427-432. [for *Tropidophis xanthogaster*]
- EIDENMÜLLER, B. & WICKER, R. (2004): Eine weitere neue Waranart aus dem *Varanus prasinus*-Komplex von der Insel Misol, Indonesien. – Sauria, 27(1): 3-8. [for *Varanus reisingeri*]
- FITZGERALD, L.A., COOK, J.A. & LUZ AQUINO, A. (1999): Molecular Phylogenetics and Conservation of *Tupinambis* (Sauria: Teiidae). – Copeia, 4: 894-905. [for *Tupinambis duseni*]
- FRITZ, U. & HAVAŠ, P. (2007): Checklist of Chelonians of the World. – Vertebrate Zoology, 57(2): 149-368. Dresden. ISSN 1864-5755 [without its appendix ; for Testudines for species and family names – with the exception of the retention of the following names *Mauremys iversoni*, *Mauremys pritchardi*, *Ocadia glyphistoma*, *Ocadia philippeni*, *Sacalia pseudocellata*]
- GLAW, F., KOSUCH, J., HENKEL, W.F., SOUND, P. AND BÖHME, W. (2006): Genetic and morphological variation of the leaf-tailed gecko *Uroplatus fimbriatus* from Madagascar, with description of a new giant species. – Salamandra, 42: 129-144. [for *Uroplatus giganteus*]
- GLAW, F. & M. Vences (2007): A field guide to the amphibians and reptiles of Madagascar, third edition. Vences & Glaw Verlag, 496 pp. [for *Calumma ambreense*]
- HALLMANN, G., KRÜGER, J. & TRAUTMANN, G. (2008). Faszinierende Taggeckos. Die Gattung *Phelsuma*. 2. überarbeitete und erweiterte Auflage, 253 pp., Münster (Natur und Tier – Verlag). ISBN 978-3-86659-059-5. [for *Phelsuma* spp., however, with the retention of *Phelsuma ocellata*]
- HARVEY, M. B., BARKER, D. B., AMMERMAN, L. K. & CHIPPINDALE, P. T. (2000): *Systematics of pythons of the Morelia amethystina complex (Serpentes: Boidae) with the description of three new species* – Herpetological Monographs, 14: 139-185. [for *Morelia clastolepis*, *Morelia nauta* & *Morelia tracyae*, and elevation to species level of *Morelia kinghorni*]
- HEDGES, B. S., ESTRADA, A. R. & DIAZ, L. M. (1999): *New snake (Tropidophis) from western Cuba* – Copeia 1999(2): 376-381. [for *Tropidophis celliae*]
- HEDGES, B. S. & GARRIDO, O. (1999): *A new snake of the genus Tropidophis (Tropidophiidae) from central Cuba* – Journal of Herpetology, 33: 436-441. [for *Tropidophis spiritus*]
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- HEDGES, B. S. & GARRIDO, O. (2002): *A new snake of the genus Tropidophis (Tropidophiidae) from Eastern Cuba* – Journal of Herpetology, 36:157-161. [for *Tropidophis hendersoni*]

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FLORA

No changes are proposed to the current standard references for flora.

Standard Nomenclature

Table 1: Impact of changes proposed - Names and references recommended for adoption

Taxon	Reference	Comments	CITES		
			to be listed as	on Appendix	changes needed to Appendices
MAMMALIA					
ARTIODACTYLA					
CAMELIDAE					
<i>Lama guanicoe</i>	WILSON & REEDER (1993)	To replace <i>Lama glama guanicoe</i>	<i>Lama guanicoe</i>	II	Replace <i>Lama glama guanicoe</i> with <i>Lama guanicoe</i>
CARNIVORA					
FELIDAE					
<i>Puma concolor</i>	WILSON & REEDER (1993)	Change of reference	<i>Puma concolor coryi</i> , <i>Puma concolor costaricensis</i> , <i>Puma concolor cougar</i> and FELIDAE spp. respectively	I/II	No
CETACEA					
BALAENOPTERIDAE					
<i>Balaenoptera omurai</i>	WADA, OISHI & YAMADA (2003)	Split from <i>B. edeni</i>	<i>Balaenoptera omurai</i>	I	Add <i>Balaenoptera omurai</i>
DELPHINIDAE					
<i>Orcaella heinsohni</i>	BEASLEY, ROBERTSON & ARNOLD (2005)	Split from <i>O. brevirostris</i>	<i>Orcaella heinsohni</i>	I	Add <i>Orcaella heinsohni</i>
PRIMATES					
TARSIIDAE					
<i>Tarsius lariang</i>	MERKER & GROVES (2006)	New species	PRIMATES spp.	II	No
AVES					
APODIFORMES					
TROCHILIDAE					

Taxon	Reference	Comments	CITES		
<i>Eriocnemis isabellae</i>	CORTES-DIAGO et al. (2007)	New species	TROCHILIDAE spp.	II	No
FALCONIFORMES					
ACCIPITRIDAE					
<i>Aquila hastata</i>	PARRY, CLARK & PRAKASH (2002)	Subspecies of <i>A. pomarina</i> uplifted to species	FALCONIFORMES spp.	II	No
FALCONIDAE					
<i>Micrastur mintoni</i>	WHITTAKER (2002)	Erroneously omitted at CoP14	FALCONIFORMES spp.	II	No
PASSERIFORMES					
MUSCICAPIDAE					
<i>Garrulax taewanus</i>	COLLAR (2006)	Subspecies of <i>G. canorus</i> uplifted to species	<i>Garrulax taewanus</i>	II	Add <i>Garrulax taewanus</i>
PSITTACIFORMES					
CACATUIDAE					
<i>Cacatua goffiniana</i>	ROSELAAR & MICHELS (2004)	Replacement name	<i>Cacatua goffiniana</i>	I	Replace <i>Cacatua goffini</i> with <i>Cacatua goffiniana</i>
PSITTACIDAE					
<i>Aratinga maculata</i>	NEMESIO & RASMUSSEN (2009)	New species (senior synonym of <i>Aratinga pinto</i>)	PSITTACIFORMES spp.	II	no
<i>Pionopsitta aurantiocephala</i>	GABAN-LIMA, RAPOSOS & HOFLING (2002)	Erroneously omitted at CoP14	PSITTACIFORMES spp.	II	no
<i>Pyrrhura parvifrons</i>	ARNDT (2008)	New species	PSITTACIFORMES spp.	II	No
STRIGIFORMES					
STRIGIDAE					
<i>Glaucidium mooreorum</i>	DA SILVA, COELHO & GONZAGA (2002)	Erroneously omitted at CoP14	STRIGIFORMES spp.	II	No
<i>Ninox burhani</i>	INDRAWAN & SOMADIKARTA (2004)	New species	STRIGIFORMES spp.	II	No
<i>Otus thilohoffmanni</i>	WARAKAGODA & RASMUSSEN (2004)	New species	STRIGIFORMES spp.	II	No
REPTILIA					
SAURIA					
AGAMIDAE					

Taxon	Reference	Comments	CITES		
<i>Uromastyx yemenensis</i>	WILMS & SCHMITZ (2007)	New species of the <i>U. ocellata</i> group	<i>Uromastyx</i> spp.	II	No
CHAMAELEONIDAE					
<i>Bradypodion atromontanum</i>	BRANCH, TOLLEY & TILBURY (2006)	New species	<i>Bradipodion</i> spp.	II	No
<i>Bradypodion caeruleogula</i>	RAW & BROTHERS (2008)	Split from <i>B. nemorale</i>	<i>Bradipodion</i> spp.	II	No
<i>Bradypodion cafferum</i>	TOLLEY, TILBURY, BRANCH & MATHEE (2004)	Subspecies of <i>B. pumilum</i> uplifted to species	<i>Bradipodion</i> spp.	II	No
<i>Bradypodion damarum</i>	TOLLEY, TILBURY, BRANCH & MATHEE (2004)	Subspecies of <i>B. pumilum</i> uplifted to species	<i>Bradipodion</i> spp.	II	No
<i>Bradypodion gutturale</i>	TOLLEY, TILBURY, BRANCH & MATHEE (2004)	Subspecies of <i>B. pumilum</i> uplifted to species	<i>Bradipodion</i> spp.	II	No
<i>Bradypodion nkandlae</i>	RAW & BROTHERS (2008)	Split from <i>B. nemorale</i>	<i>Bradipodion</i> spp.	II	No
<i>Bradypodion transvaalense</i>	TOLLEY, TILBURY, BRANCH & MATHEE (2004)	Subspecies of <i>B. pumilum</i> uplifted to species	<i>Bradipodion</i> spp.	II	No
<i>Bradypodion ventrale</i>	TOLLEY, TILBURY, BRANCH & MATHEE (2004)	Subspecies of <i>B. pumilum</i> uplifted to species	<i>Bradipodion</i> spp.	II	No
<i>Calumma amber</i>	RAXWORTHY & NUSSBAUM (2006)	Split from <i>C. brevicorne</i>	<i>Calumma</i> spp.	II	No
<i>Calumma ambreense</i>	GLAW & VENCES (2007)	Subspecies of <i>C. oshaughnessyi</i> uplifted to species	<i>Calumma</i> spp.	II	No
<i>Calumma andringitraense</i>	WALBRÖL & WALBRÖL (2004)	Change in spelling	<i>Calumma</i> spp.	II	No
<i>Calumma brevicorne</i>	RAXWORTHY & NUSSBAUM (2006)	Change in spelling	<i>Calumma</i> spp.	II	No
<i>Calumma crypticum</i>	RAXWORTHY & NUSSBAUM (2006)	Split from <i>C. brevicorne</i>	<i>Calumma</i> spp.	II	No
<i>Calumma cucullatum</i>	LUTZMANN & LUTZMANN (2004)	Change in spelling	<i>Calumma</i> spp.	II	No
<i>Calumma hafahafa</i>	RAXWORTHY & NUSSBAUM (2006)	Split from <i>C. malthe</i>	<i>Calumma</i> spp.	II	No
<i>Calumma jeiy</i>	RAXWORTHY & NUSSBAUM (2006)	Split from <i>C. brevicorne</i>	<i>Calumma</i> spp.	II	No
<i>Calumma marojezense</i>	WALBRÖL & WALBRÖL (2004)	Change in spelling	<i>Calumma</i> spp.	II	No
<i>Calumma nasutum</i>	LUTZMANN & LUTZMANN (2004)	Change in spelling	<i>Calumma</i> spp.	II	No
<i>Calumma peltierorum</i>	RAXWORTHY & NUSSBAUM (2006)	Split from <i>C. malthe</i>	<i>Calumma</i> spp.	II	No
<i>Calumma tsaratanaense</i>	WALBRÖL & WALBRÖL (2004)	Change in spelling	<i>Calumma</i> spp.	II	No
<i>Calumma tsyscorne</i>	RAXWORTHY & NUSSBAUM (2006)	New species	<i>Calumma</i> spp.	II	No

Taxon	Reference	Comments	CITES		
<i>Chamaeleo narraioaca</i>	NECAS, MODRY & SLAPETA (2003)	New species from the <i>C. bitaeniatus</i> complex	<i>Chamaeleo</i> spp.	II	No
<i>Chamaeleo necasi</i>	ULLENBRUCH, KRAUSE & BÖHME (2007)	New species from the <i>C. dilepis</i> group	<i>Chamaeleo</i> spp.	II	No
<i>Chamaeleo ntunte</i>	NECAS, MODRY & SLAPETA (2005)	New species from the <i>C. bitaeniatus</i> complex	<i>Chamaeleo</i> spp.	II	No
<i>Kinyongia adolfriderici</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia boehmei</i>	MARIAUX, LUTZMANN & STIPALA (2008)	Generic change from <i>Bradypodion</i> and subspecies of <i>B. tavetanum</i> uplifted to species	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia carpenteri</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia excubitor</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i> and subspecies of <i>B. fischeri</i> uplifted to species	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia fischeri</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia matschiei</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i> and split from <i>B. fischeri fischeri</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia multituberculata</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i> and split from <i>B. fischeri</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia oxyrhina</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia tavetana</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia tenuis</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i> and change in spelling	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia ulugurensis</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i> and split from <i>B. fischeri fischeri</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia uthmoelleri</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia vosseleri</i>	MARIAUX, LUTZMANN & STIPALA (2008)	Generic change from <i>Bradypodion</i> and split from <i>B. fischeri fischeri</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Kinyongia xenorhina</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Kinyongia</i> spp.	II	Add <i>Kinyongia</i> spp.
<i>Nadzikambia mlanjense</i>	TILBURY, TOLLEY & BRANCH (2006)	Generic change from <i>Bradypodion</i>	<i>Nadzikambia</i> spp.	II	Add <i>Nadzikambia</i> spp.

Taxon	Reference	Comments	CITES		
GEKKONIDAE					
<i>Phelsuma andamanense</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	Change in spelling	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma grandis</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	Subspecies of <i>P. madagascariensis</i> uplifted to species	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma inexpectata</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	Subspecies of <i>P. ornata</i> uplifted to species	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma kely</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	New species	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma kochi</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	Subspecies of <i>P. madagascariensis</i> uplifted to species	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma pasteuri</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	Subspecies of <i>P. v-nigra</i> uplifted to species	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma ravenala</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	New species	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma rosagularis</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	Subspecies of <i>P. guimbeaui</i> uplifted to species	<i>Phelsuma</i> spp.	II	No
<i>Phelsuma vanheygeni</i>	HALLMANN, KRÜGER & TRAUTMANN (2008)	New species	<i>Phelsuma</i> spp.	II	No
<i>Uroplatus giganteus</i>	GLAW, KOSUCH, HENKEL, SOUND & BÖHME (2006)	New species	<i>Uroplatus</i> spp.	II	No
IGUANIDAE					
<i>Brachylophus bulabula</i>	KEOGH, EDWARDS, FISHER & HARLOW (2008)	Split from <i>B. fasciatus</i>	<i>Brachylophus</i> spp.	I	No
<i>Phrynosoma blainvillii</i>	MONTANUCCI (2004)	Split from <i>P. coronatum</i>	<i>Phrynosoma blainvillii</i>	II	Add <i>Phrynosoma blainvillii</i>
<i>Phrynosoma cerroense</i>	MONTANUCCI (2004)	Split from <i>P. coronatum</i>	<i>Phrynosoma cerroense</i>	II	Add <i>Phrynosoma cerroense</i>
<i>Phrynosoma wigginsi</i>	MONTANUCCI (2004)	Split from <i>P. coronatum jamesi</i>	<i>Phrynosoma wigginsi</i>	II	Add <i>Phrynosoma wigginsi</i>
TEIIDAE					
<i>Tupinambis duseni</i>	FITZGERALD, COOK & LUZ AQUINO (1999)	Split from <i>T. rufescens</i>	<i>Tupinambis</i> spp.	II	No

Taxon	Reference	Comments	CITES		
VARANIDAE					
<i>Varanus beccarii</i>	ZIEGLER, SCHMITZ, KOCH & BÖHME (2007)	Subspecies of <i>V. prasinus</i> uplifted to species	<i>Varanus</i> spp.	II	No
<i>Varanus bushi</i>	APLIN, FITCH & KING (2006)	New species	<i>Varanus</i> spp.	II	No
<i>Varanus cumingi</i>	KOCH, AULIYA, SCHMITZ, KUCH & BÖHME (2007)	Subspecies of <i>V. salvator</i> uplifted to species	<i>Varanus</i> spp.	II	No
<i>Varanus marmoratus</i>	KOCH, AULIYA, SCHMITZ, KUCH & BÖHME (2007)	Subspecies of <i>V. salvator</i> uplifted to species	<i>Varanus</i> spp.	II	No
<i>Varanus nuchalis</i>	KOCH, AULIYA, SCHMITZ, KUCH & BÖHME (2007)	Subspecies of <i>V. salvator</i> uplifted to species	<i>Varanus</i> spp.	II	No
<i>Varanus rainerguentheri</i>	ZIEGLER, BÖHME & SCHMITZ (2007)	New species from the <i>V. indicus</i> complex	<i>Varanus</i> spp.	II	No
<i>Varanus reisingeri</i>	EIDENMÜLLER & WICKER (2005)	New species from the <i>V. prasinus</i> complex	<i>Varanus</i> spp.	II	No
<i>Varanus togianus</i>	KOCH, AULIYA, SCHMITZ, KUCH & BÖHME (2007)	Subspecies of <i>V. salvator</i> uplifted to species	<i>Varanus</i> spp.	II	No
<i>Varanus zugorum</i>	BÖHME & ZIEGLER (2005)	New species	<i>Varanus</i> spp.	II	No
SERPENTES					
PYTHONIDAE					
<i>Python natalensis</i>	BROADLEY (1999)	Subspecies of <i>P. sebae</i> uplifted to species	PYTHONIDAE spp.	II	No
TROPIDOPHIIDAE					
<i>Tropidophis xanthogaster</i>	DOMINGUEZ, MORENO & HEDGES (2006)	New species	TROPIDOPHIIDAE spp.	II	No
TESTUDINES					
GEOEMYDIDAE					
<i>Batagur affinis</i>	PRASCHAG, SOMMER & al. (2008)	Split from <i>B. baska</i>	<i>Batagur affinis</i>	I	Add <i>Batagur affinis</i>
<i>Batagur borneoensis</i>	PRASCHAG, HUNSDÖRFER & FRITZ (2007)	Generic change of formerly <i>Kachuga borneoensis</i>	<i>Batagur</i> spp. (Except the species included in Appendix I)	II	Remove <i>Callagur borneoensis</i> and add <i>Batagur</i> spp. (Except the species included in Appendix I)

Taxon	Reference	Comments	CITES		
<i>Batagur dhongoka</i>	PRASCHAG, HUNSDÖRFER & FRITZ (2007)	Generic change of formerly <i>Kachuga dhongoka</i>	<i>Batagur</i> spp. (Except the species included in Appendix I)	II	Remove <i>Kachuga</i> spp. and add <i>Batagur</i> spp. (Except the species included in Appendix I)
<i>Batagur kachuga</i>	PRASCHAG, HUNSDÖRFER & FRITZ (2007)	Generic change of formerly <i>Kachuga kachuga</i>	<i>Batagur</i> spp. (Except the species included in Appendix I)	II	Remove <i>Kachuga</i> spp. and add <i>Batagur</i> spp. (Except the species included in Appendix I)
<i>Batagur trivittata</i>	PRASCHAG, HUNSDÖRFER & FRITZ (2007)	Generic change of formerly <i>Kachuga trivittata</i>	<i>Batagur</i> spp. (Except the species included in Appendix I)	II	Remove <i>Kachuga</i> spp. and add <i>Batagur</i> spp. (Except the species included in Appendix I)
TESTUDINIDAE					
<i>Homopus solus</i>	BRANCH (2007)	New species	TESTUDINIDAE spp.	II	no
AMPHIBIA					
ANURA					
DENDROBATIDAE					
<i>Dendrobates daleswansonii</i>	RUEDA-ALMONACID et al. (2006)	New species	<i>Dendrobates</i> spp.	II	no
<i>Dendrobates dorisswansonii</i>	RUEDA-ALMONACID et al. (2006)	New species	<i>Dendrobates</i> spp.	II	no
<i>Dendrobates nubeculosus</i>	JUNGFER & BÖHME (2004)	New species	<i>Dendrobates</i> spp.	II	no
<i>Epipedobates narinensis</i>	MUESES-CISNEROS, CEPEDA-QUILINDO & MORENO-QUINTERO (2008)	New species	<i>Epipedobates</i> spp.	II	no
<i>Epipedobates yungicola</i>	LÖTTERS, SCHMITZ & REICHLER (2006)	New species	<i>Epipedobates</i> spp.	II	no
MANTELLIDAE					
<i>Mantella ebenaui</i>	GLAW & VENCES (2006)	Resurrection from synonymy of <i>M. betsileo</i>	<i>Mantella</i> spp.	II	no
ACTINOPTERYGII					
OSTEOGLOSSIFORMES					
OSTEOGLOSSIDAE					

Taxon	Reference	Comments	CITES		
<i>Scleropages aureus</i>	POUYAUD, SUDARTO & TEUGELS (2003)	Split from <i>S. formosus</i>	<i>Scleropages aureus</i>	I	Add <i>Scleropages aureus</i>
<i>Scleropages legendrei</i>	POUYAUD, SUDARTO & TEUGELS (2003)	Split from <i>S. formosus</i>	<i>Scleropages legendrei</i>	I	Add <i>Scleropages legendrei</i>
<i>Scleropages macrocephalus</i>	POUYAUD, SUDARTO & TEUGELS (2003)	Split from <i>S. formosus</i>	<i>Scleropages macrocephalus</i>	I	Add <i>Scleropages macrocephalus</i>
SYNGNATHIFORMES					
SYNGNATHIDAE					
<i>Hippocampus biocellatus</i>	KUITER (2001)	Split from <i>H. trimaculatus</i>	<i>Hippocampus</i> spp.	II	No
<i>Hippocampus debelius</i>	GOMON & KUITER (2009)	New species	<i>Hippocampus</i> spp.	II	No
<i>Hippocampus patagonicus</i>	PIACENTINO & LUZZATTO (2004)	New species	<i>Hippocampus</i> spp.	II	No
<i>Hippocampus procerus</i>	KUITER (2001)	Split from <i>H. whitei</i>	<i>Hippocampus</i> spp.	II	No
<i>Hippocampus waleananus</i>	GOMON & KUITER (2009)	New species	<i>Hippocampus</i> spp.	II	No
<u>ARTHROPODA</u>					
ARACHNIDA					
ARANEAE					
THERAPHOSIDAE					
<i>Brachypelma kahlenbergi</i>	RUDLOFF (2008)	New species	<i>Brachypelma</i> spp.	II	No
INSECTA					
COLEOPTERA					
LUCANIDAE					
<i>Colophon endroedyi</i>	BARTOLOZZI (2005)	New species	<i>Colophon</i> spp.	III	No
<u>ANNELIDA</u>					
HIRUDINOIDEA					
ARHYNCHOBDELLIDA					
HIRUDINIDAE					
<i>Hirudo verbana</i>	NESEMANN & NEUBERT (1999)	Split from <i>H. medicinalis</i>	<i>Hirudo verbana</i>	II	Add <i>Hirudo verbana</i>

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Standard Nomenclature

Table 2: New species names not recommended for adoption

	New species name	Valid name under CITES	Listed in Appendix
MAMMALIA			
ARTIODACTYLA			
TAYASSUIDAE	<i>Pecari maximus</i>	<i>Pecari tajacu</i>	II
CARNIVORA			
CANIDAE	<i>Canis himalayensis</i>	<i>Canis lupus</i>	I
	<i>Canis indica</i>	<i>Canis lupus</i>	I
FELIDAE	<i>Neofelis diardi</i>	<i>Neofelis nebulosa</i>	I
HERPESTIDAE	<i>Herpestes auropunctatus</i>	<i>Herpestes javanicus auropunctatus</i>	III
CHIROPTERA			
PTEROPODIDAE	<i>Pteropus banakrisi</i>	<i>Pteropus alecto</i>	II
PRIMATES			
ATELIDAE	<i>Alouatta arctoidea</i>	<i>Alouatta seniculus</i>	II
	<i>Alouatta discolor</i>	<i>Alouatta belzebul</i>	II
	<i>Alouatta juara</i>	<i>Alouatta seniculus</i>	II
	<i>Alouatta puruensis</i>	<i>Alouatta seniculus</i>	II
	<i>Alouatta ululata</i>	<i>Alouatta belzebul</i>	II
CALLITRICHIDAE	<i>Callibella humilis</i>	<i>Callithrix humilis</i>	II
	<i>Mico acariensis</i>	<i>Callithrix acariensis</i>	II
	<i>Mico argentatus</i>	<i>Callithrix argentata</i>	II
	<i>Mico chrysoleucus</i>	<i>Callithrix chrysoleuca</i>	II
	<i>Mico emiliae</i>	<i>Callithrix emiliae</i>	II
	<i>Mico humeralifer</i>	<i>Callithrix humeralifera</i>	II
	<i>Mico intermedius</i>	<i>Callithrix intermedia</i>	II
	<i>Mico leucippe</i>	<i>Callithrix leucippe</i>	II
	<i>Mico manicorensis</i>	<i>Callithrix manicorensis</i>	II
	<i>Mico marcai</i>	<i>Callithrix marcai</i>	II
	<i>Mico mauesi</i>	<i>Callithrix mauesi</i>	II
	<i>Mico melanurus</i>	<i>Callithrix melanura</i>	II
	<i>Mico nigriceps</i>	<i>Callithrix nigriceps</i>	II
	<i>Mico saterei</i>	<i>Callithrix saterei</i>	II
CEBIDAE	<i>Aotus brumbacki</i>	<i>Aotus lemurinus</i>	II
	<i>Aotus griseimembra</i>	<i>Aotus lemurinus</i>	II
	<i>Aotus zonalis</i>	<i>Aotus lemurinus</i>	II
	<i>Aotus jorgehernandezi</i>	<i>Aotus spp.</i>	II
	<i>Cacajao ayresi</i>	<i>Cacajao melanocephalus</i>	II
	<i>Cacajao hosomi</i>	<i>Cacajao melanocephalus</i>	II
	<i>Callicebus aureipalatii</i>	<i>Callicebus spp.</i>	II
	<i>Cebus cay</i>	<i>Cebus libidinosus</i>	II
	<i>Cebus flavius</i>	<i>Cebus sp.</i>	II
	<i>Cebus macrocephalus</i>	<i>Cebus apella</i>	II
	<i>Cebus queirozi</i>	<i>Cebus sp.</i>	II
	<i>Cebus robustus</i>	<i>Cebus nigrilus</i>	II
CERCOPITHECIDAE	<i>Lophocebus ugandae</i>	<i>Lophocebus albigena</i>	II
	<i>Macaca munzala</i>	<i>Macaca sp.</i>	II
	<i>Lophocebus kipunji</i>	<i>Lophocebus albigena</i>	II
	<i>Rungwecebus kipunji</i>	<i>Lophocebus albigena</i>	II
	<i>Semnopithecus johnii</i>	<i>Trachypithecus johnii</i>	II
	<i>Semnopithecus vetulus</i>	<i>Trachypithecus vetulus</i>	II
	<i>Trachypithecus villosus</i>	<i>Trachypithecus cristatus</i>	II
CHEIROGALEIDAE	<i>Microcebus bongolavensis</i>	<i>Microcebus sp.</i>	I
	<i>Microcebus danfossi</i>	<i>Microcebus sp.</i>	I

	New species name	Valid name under CITES	Listed in Appendix
	<i>Microcebus jollyae</i>	<i>Microcebus rufus</i>	I
	<i>Microcebus lehilahytsara</i>	<i>Microcebus rufus</i>	I
	<i>Microcebus lokobensis</i>	<i>Microcebus</i> sp.	I
	<i>Microcebus macarthurii</i>	<i>Microcebus rufus</i>	I
	<i>Microcebus mampiratra</i>	<i>Microcebus</i> sp.	I
	<i>Microcebus mittermeieri</i>	<i>Microcebus rufus</i>	I
	<i>Microcebus simmonsii</i>	<i>Microcebus rufus</i>	I
	<i>Mirza zaza</i>	<i>Mirza</i> sp. <i>?Mirza coquereli</i>	I
GALAGIDAE	<i>Galagoides cocos</i>	<i>Galago zanzibaricus</i>	II
	<i>Galagoides demidovii</i>	<i>Galago demidoff</i>	II
	<i>Galagoides granti</i>	<i>Galago granti</i>	II
	<i>Galagoides nyasae</i>	<i>Galago nyasae</i>	II
	<i>Galagoides orinus</i>	<i>Galago orinus</i>	II
	<i>Galagoides rondoensis</i>	<i>Galago rondoensis</i>	II
	<i>Galagoides thomasi</i>	<i>Galago thomasi</i>	II
	<i>Galagoides zanzibaricus</i>	<i>Galago zanzibaricus</i>	II
	<i>Sciurocheirus alleni</i>	<i>Galago alleni</i>	II
	<i>Sciurocheirus gabonensis</i>	<i>Galago gabonensis</i>	II
HYLOBATIDAE	<i>Hoolock hoolock</i>	<i>Bunopithecus hoolock</i>	I
	<i>Hoolock leuconedys</i>	<i>Bunopithecus hoolock</i>	I
	<i>Nomascus nasutus</i>	<i>Nomascus concolor</i>	I
INDRIDAE	<i>Avahi betsileo</i>	<i>Avahi laniger</i>	I
	<i>Avahi cleesei</i>	<i>Avahi</i> sp.	I
	<i>Avahi meridionalis</i>	<i>Avahi laniger</i>	I
	<i>Avahi mooreorum</i>	<i>Avahi laniger</i>	I
	<i>Avahi peyrierasi</i>	<i>Avahi laniger</i>	I
	<i>Avahi ramanantsoavani</i>	<i>Avahi laniger</i>	I
	<i>Propithecus candidus</i>	<i>Propithecus diadema</i>	I
	<i>Propithecus coronatus</i>	<i>Propithecus verreauxi</i>	I
LEMURIDAE	<i>Haplemur meridionalis</i>	<i>Haplemur griseus</i>	I
LEPILEMURIDAE	<i>Lepilemur aeeclis</i>	<i>Lepilemur ruficaudatus</i>	I
	<i>Lepilemur ahmansonii</i> = <i>L. ahmansonorum</i>	<i>Lepilemur</i> sp. <i>Lepilemur edwardsi</i>	I
	<i>Lepilemur betsileo</i>	<i>Lepilemur</i> sp.	I
	<i>Lepilemur fleuretae</i>	<i>Lepilemur</i> sp. <i>?Lepilemur leucopus</i>	I
	<i>Lepilemur grewcockii</i> = <i>L. grewcockorum</i>	<i>Lepilemur dorsalis</i>	I
	<i>Lepilemur hubbardi</i> = <i>L. hubbardorum</i>	<i>Lepilemur</i> sp. <i>? Lepilemur ruficaudatus</i>	I
	<i>Lepilemur jamesi</i> = <i>L. jamesorum</i>	<i>Lepilemur</i> sp.	I
	<i>Lepilemur manasamody</i>	<i>Lepilemur edwardsi</i>	I
	<i>Lepilemur milanoii</i>	<i>Lepilemur</i> sp. <i>? Lepilemur ruficaudatus</i>	I
	<i>Lepilemur mittermeieri</i>	<i>Lepilemur dorsalis</i>	I
	<i>Lepilemur otto</i>	<i>Lepilemur edwardsi</i>	I
	<i>Lepilemur petteri</i>	<i>Lepilemur</i> sp.	I
	<i>Lepilemur randrianasoloi</i>	<i>Lepilemur ruficaudatus</i>	I
	<i>Lepilemur sahalazensis</i>	<i>Lepilemur dorsalis</i>	I
	<i>Lepilemur scottorum</i>	<i>Lepilemur</i> sp.	I
	<i>Lepilemur seali</i>	<i>Lepilemur</i> sp.	I
	<i>Lepilemur tymerlachsonii</i> = <i>L. tymerlachsonorum</i>	<i>Lepilemur</i> sp. <i>? Lepilemur edwardsi</i>	I
	<i>Lepilemur wrightii</i> = <i>L. wrightiae</i>	<i>Lepilemur</i> sp. <i>? Lepilemur leucopus</i>	I
LORISIDAE	<i>Nycticebus javanicus</i>	<i>Nycticebus coucang</i>	I

	New species name	Valid name under CITES	Listed in Appendix
	<i>Nycticebus menagensis</i>	<i>Nycticebus coucang</i>	I
AVES			
ANSERIFORMES			
ANATIDAE	<i>Branta hutchinsii leucopareia</i>	<i>Branta canadensis leucopareia</i>	I
	<i>Sarkidiornis sylvicola</i>	<i>Sarkidiornis melanotos</i>	I
APODIFORMES			
TROCHILIDAE	<i>Agelaiocercus berlepschi</i>	<i>Agelaiocercus kingi</i>	II
	<i>Avocettula recurvirostris</i>	<i>Anthracothorax recurvirostris</i>	II
	<i>Chlorestes notata</i>	<i>Chlorostilbon notatus</i>	II
	<i>Chlorostilbon gibsoni</i>	<i>Chlorostilbon mellisugus</i>	II
	<i>Chlorostilbon lucidus</i>	<i>Chlorostilbon aureoventris</i>	II
	<i>Chlorostilbon melanorhynchus</i>	<i>Chlorostilbon mellisugus</i>	II
	<i>Coeligena orina</i>	<i>Coeligena bonapartei</i>	II
	<i>Hylocharis humboldtii</i>	<i>Hylocharis grayi</i>	II
	<i>Lesbia gouldii</i>	<i>Lesbia nuna</i>	II
	<i>Phaeochroa cuvierii</i>	<i>Campylopterus cuvierii</i>	II
	<i>Phaethornis baroni</i>	<i>Phaethornis longirostris</i>	II
	<i>Thalurania hypochlora</i>	<i>Thalurania fannyi</i>	II
	<i>Threnetes leucurus</i>	<i>Threnetes niger</i>	II
	<i>Urosticte ruficrissa</i>	<i>Urosticte benjamini</i>	II
CHARADRIIFORMES			
LARIDAE	<i>Ichthyaetus relictus</i>	<i>Larus relictus</i>	I
CICONIIFORMES			
PHOENICOPTERIDAE	<i>Phoenicopterus roseus</i>	<i>Phoenicopterus ruber</i>	II
COLUMBIFORMES			
BUCEROTIDAE	<i>Ptilolaemus austeni</i>	<i>Anorrhinus tickelli</i>	II
FALCONIFORMES			
ACCIPITRIDAE	<i>Accipiter chilensis</i>	<i>Accipiter bicolor</i>	II
	<i>Accipiter griseogularis</i>	<i>Accipiter novaehollandiae</i>	II
	<i>Accipiter hiogaster</i>	<i>Accipiter novaehollandiae</i>	II
	<i>Aegyptius occipitalis</i>	<i>Trigonoceps occipitalis</i>	II
	<i>Aegyptius tracheliotus</i>	<i>Torgos tracheliotus</i>	II
	<i>Aquila africana</i>	<i>Spizaetus africanus</i>	II
	<i>Aquila ayresii</i>	<i>Hieraaetus ayresii</i>	II
	<i>Aquila fasciata</i>	<i>Hieraaetus fasciatus</i>	II
	<i>Aquila morphnoides</i>	<i>Hieraaetus morphnoides</i>	II
	<i>Aquila pennata</i>	<i>Hieraaetus pennatus</i>	II
	<i>Aquila spilogaster</i>	<i>Hieraaetus spilogaster</i>	II
	<i>Aquila wahlbergi</i>	<i>Hieraaetus wahlbergi</i>	II
	<i>Aquila weiskei</i>	<i>Hieraaetus morphnoides</i>	II
	<i>Buteo burmanicus</i>	<i>Buteo buteo</i>	II
	<i>Buteo exsul</i>	<i>Buteo polyosoma</i>	II
	<i>Buteo japonicus</i>	<i>Buteo buteo</i>	II
	<i>Buteo melanoleucus</i>	<i>Geranoaetus melanoleucus</i>	II
	<i>Buteo nitidus</i>	<i>Asturina nitida</i>	II
	<i>Buteo refectus</i>	<i>Buteo buteo</i>	II
	<i>Buteogallus gundlachii</i>	<i>Buteogallus anthracinus</i>	II
	<i>Circus approximans spilothorax</i>	<i>Circus spilonotus</i>	II
	<i>Circus hudsonius</i>	<i>Circus cyaneus</i>	II
	<i>Circus macroscelus</i>	<i>Circus maillardi</i>	II
	<i>Helicolestes hamatus</i>	<i>Rostrhamus hamatus</i>	II
	<i>Leptodon forbesi</i>	<i>Leptodon cayanensis</i>	II
	<i>Lophaetus clangus</i>	<i>Aquila clanga</i>	II
	<i>Lophaetus hastatus</i>	<i>Aquila hastata</i>	II
	<i>Lophaetus malayensis</i>	<i>Ictinaetus malayensis</i>	II
	<i>Lophaetus pomarinus</i>	<i>Aquila pomarina</i>	II
	<i>Lophotriorchis kienerii</i>	<i>Hieraaetus kienerii</i>	II

	New species name	Valid name under CITES	Listed in Appendix
	<i>Milvus fasciicauda</i>	<i>Milvus milvus</i>	II
	<i>Nisaetus alboniger</i>	<i>Spizaetus alboniger</i>	II
	<i>Nisaetus bartelsi</i>	<i>Spizaetus bartelsi</i>	II
	<i>Nisaetus cirrhatus</i>	<i>Spizaetus cirrhatus</i>	II
	<i>Nisaetus floris</i>	<i>Spizaetus cirrhatus</i>	II
	<i>Nisaetus kelaarti</i>	<i>Spizaetus nipalensis</i>	II
	<i>Nisaetus lanceolatus</i>	<i>Spizaetus lanceolatus</i>	II
	<i>Nisaetus limnaeetus</i>	<i>Spizaetus cirrhatus</i>	II
	<i>Nisaetus nanus</i>	<i>Spizaetus nanus</i>	II
	<i>Nisaetus nipalensis</i>	<i>Spizaetus nipalensis</i>	II
	<i>Nisaetus philippensis</i>	<i>Spizaetus philippensis</i>	II
	<i>Nisaetus pinskeri</i>	<i>Spizaetus philippensis</i>	II
	<i>Pandion cristatus</i>	<i>Pandion haliaetus</i>	II
	<i>Percnohierax leucorrhous</i>	<i>Buteo leucorrhous</i>	II
	<i>Rupornis magnirostris</i>	<i>Buteo magnirostris</i>	II
	<i>Spilornis abbotti</i>	<i>Spilornis cheela</i>	II
	<i>Spilornis asturinus</i>	<i>Spilornis cheela</i>	II
	<i>Spilornis baweanus</i>	<i>Spilornis cheela</i>	II
	<i>Spilornis holospilus</i>	<i>Spilornis cheela</i>	II
	<i>Spilornis minimus</i>	<i>Spilornis cheela</i>	II
	<i>Spilornis natunensis</i>	<i>Spilornis cheela</i>	II
	<i>Spilornis perplexus</i>	<i>Spilornis cheela</i>	II
	<i>Spilornis sipora</i>	<i>Spilornis cheela</i>	II
	<i>Spizaetus isidori</i>	<i>Oroaetus isidori</i>	II
	<i>Spizaetus melanoleucus</i>	<i>Spizastur melanoleucus</i>	II
GALLIFORMES			
CRACIDAE	<i>Pauxi mitu</i>	<i>Mitu mitu</i>	I
PASSERIFORMES			
ESTRILDIDAE	<i>Sporaeginthus formosus</i>	<i>Amandava formosa</i>	II
STURNIDAE	<i>Gracula indica</i>	<i>Gracula religiosa</i>	II
PICIFORMES			
RAMPHASTIDAE	<i>Pteroglossus bailloni</i>	<i>Bailloni bailloni</i>	III
PSITTACIFORMES			
CACATUIDAE	<i>Lophochroa leadbeateri</i>	<i>Cacatua leadbeateri</i>	II
PSITTACIDAE	<i>Alipiopsitta xanthops</i>	<i>Amazona xanthops</i>	II
	<i>Aratinga alticola</i>	<i>Aratinga mitrata</i>	II
	<i>Aratinga hockingi</i>	<i>Aratinga mitrata</i>	II
	<i>Aratinga picta emma</i>	<i>Aratinga leucotis</i>	II
	<i>Eunymphicus uvaeensis</i>	<i>Eunymphicus cornutus</i>	I
	<i>Forpus modestus</i>	<i>Forpus sclateri</i>	II
	<i>Guaruba guarouba</i>	<i>Guarouba guarouba</i>	I
	<i>Loriculus camiguinensis</i>	<i>Loriculus philippensis</i>	II
	<i>Loriculus sclateri</i>	<i>Loriculus amabilis</i>	II
	<i>Loriculus tener</i>	<i>Loriculus aurantiifrons</i>	II
	<i>Poicephalus fuscicollis</i>	<i>Poicephalus robustus</i>	II
	<i>Pyrilia aurantiocephala</i>	<i>Pionopsitta aurantiocephala</i>	II
	<i>Pyrilia barrabandi</i>	<i>Pionopsitta barrabandi</i>	II
	<i>Pyrilia caica</i>	<i>Pionopsitta caica</i>	II
	<i>Pyrilia coccinillarum</i>	<i>Pionopsitta haematotis</i>	II
	<i>Pyrilia haematotis</i>	<i>Pionopsitta haematotis</i>	II
	<i>Pyrilia pulchra</i>	<i>Pionopsitta pulchra</i>	II
	<i>Pyrilia pyrilia</i>	<i>Pionopsitta pyrilia</i>	II
	<i>Pyrilia vulturina</i>	<i>Pionopsitta vulturina</i>	II
	<i>Pyrrhura amazonum</i>	<i>Pyrrhura picta</i>	II
	<i>Pyrrhura caeruleiceps</i>	<i>Pyrrhura picta</i>	II
	<i>Pyrrhura eisenmanni</i>	<i>Pyrrhura picta</i>	II
	<i>Pyrrhura lucianii</i>	<i>Pyrrhura picta</i>	II

	New species name	Valid name under CITES	Listed in Appendix
	<i>Pyrrhura peruviana</i>	<i>Pyrrhura picta</i>	II
	<i>Pyrrhura roseifrons</i>	<i>Pyrrhura picta</i>	II
	<i>Pyrrhura snethlageae</i>	<i>Pyrrhura picta</i>	II
	<i>Pyrrhura subandina</i>	<i>Pyrrhura picta</i>	II
RHEIFORMES			
RHEIDAE	<i>Rhea pennata</i>	<i>Pterocnemia pennata</i>	I/II
STRIGIFORMES			
STRIGIDAE	<i>Asio clamator</i>	<i>Pseudoscops clamator</i>	II
	<i>Asio galapagoensis</i>	<i>Asio flammeus</i>	II
	<i>Athene blewitti</i>	<i>Heteroglaux blewitti</i>	I
	<i>Athene liliith</i>	<i>Athene noctua</i>	II
	<i>Athene spilogastra</i>	<i>Athene noctua</i>	II
	<i>Bubo bengalensis</i>	<i>Bubo bubo</i>	II
	<i>Bubo bouvieri</i>	<i>Scotopelia bouvieri</i>	II
	<i>Bubo flavipes</i>	<i>Ketupa flavipes</i>	II
	<i>Bubo ketupu</i>	<i>Ketupa ketupu</i>	II
	<i>Bubo magellanicus</i>	<i>Bubo virginianus</i>	II
	<i>Bubo peli</i>	<i>Scotopelia peli</i>	II
	<i>Bubo scandiacus</i>	<i>Nyctea scandiaca</i>	II
	<i>Bubo ussheri</i>	<i>Scotopelia ussheri</i>	II
	<i>Bubo zeylonensis</i>	<i>Ketupa zeylonensis</i>	II
	<i>Ciccaba albitarsis</i>	<i>Strix albitarsis</i>	II
	<i>Strix squamulata</i>	<i>Strix virgata</i>	II
	<i>Ciccaba virgata</i>	<i>Strix virgata</i>	II
	<i>Glaucidium californicum</i>	<i>Glaucidium gnoma</i>	II
	<i>Glaucidium cobanense</i>	<i>Glaucidium gnoma</i>	II
	<i>Glaucidium hoskinsii</i>	<i>Glaucidium gnoma</i>	II
	<i>Glaucidium ridgwayi</i>	<i>Glaucidium brasilianum</i>	II
	<i>Glaucidium sicki</i>	<i>Glaucidium minutissimum</i>	II
	<i>Glaucidium tucumanum</i>	<i>Glaucidium brasilianum</i>	II
	<i>Megascops albogularis</i>	<i>Otus albogularis</i>	II
	<i>Megascops asio</i>	<i>Otus asio</i>	II
	<i>Megascops atricapilla</i>	<i>Otus atricapilla</i>	II
	<i>Megascops barbarus</i>	<i>Otus barbarus</i>	II
	<i>Megascops choliba</i>	<i>Otus choliba</i>	II
	<i>Megascops clarkii</i>	<i>Otus clarkii</i>	II
	<i>Megascops colombianus</i>	<i>Otus colombianus</i>	II
	<i>Megascops cooperi</i>	<i>Otus cooperi</i>	II
	<i>Megascops guatemalae</i>	<i>Otus guatemalae</i>	II
	<i>Megascops hoyi</i>	<i>Otus hoyi</i>	II
	<i>Megascops ingens</i>	<i>Otus ingens</i>	II
	<i>Megascops kennicottii</i>	<i>Otus kennicottii</i>	II
	<i>Megascops koepckeae</i>	<i>Otus koepckeae</i>	II
	<i>Megascops lambi</i>	<i>Otus cooperi</i>	II
	<i>Megascops marshalli</i>	<i>Otus marshalli</i>	II
	<i>Megascops napensis</i>	<i>Otus vermiculatus</i>	II
	<i>Megascops nudipes</i>	<i>Otus nudipes</i>	II
	<i>Megascops pacificus</i>	<i>Otus roboratus</i>	II
	<i>Megascops petersoni</i>	<i>Otus petersoni</i>	II
	<i>Megascops roboratus</i>	<i>Otus roboratus</i>	II
	<i>Megascops roraimae</i>	<i>Otus vermiculatus</i>	II
	<i>Megascops sanctaecatarinae</i>	<i>Otus sanctaecatarinae</i>	II
	<i>Megascops seductus</i>	<i>Otus seductus</i>	II
	<i>Megascops trichopsis</i>	<i>Otus trichopsis</i>	II
	<i>Megascops usta</i>	<i>Otus watsonii</i>	II
	<i>Megascops vermiculatus</i>	<i>Otus vermiculatus</i>	II
	<i>Megascops watsonii</i>	<i>Otus watsonii</i>	II

	New species name	Valid name under CITES	Listed in Appendix
	<i>Ninox dubiosa</i>	<i>Ninox</i> sp. ¹	
	<i>Ninox japonica</i>	<i>Ninox scutulata</i>	II
	<i>Ninox leucopsis</i>	<i>Ninox novaeseelandiae</i>	II
	<i>Ninox lurida</i>	<i>Ninox boobook</i>	II
	<i>Ninox mindorensis</i>	<i>Ninox philippensis</i>	II
	<i>Ninox obscura</i>	<i>Ninox scutulata</i>	II
	<i>Ninox randi</i>	<i>Ninox scutulata</i>	II
	<i>Otus cnephaeus</i>	<i>Otus bakkamoena</i>	II
	<i>Otus enganensis</i>	<i>Otus magicus</i>	II
	<i>Otus kalidupae</i>	<i>Otus magicus</i>	II
	<i>Otus lempiji</i>	<i>Otus bakkamoena</i>	II
	<i>Otus lettia</i>	<i>Otus bakkamoena</i>	II
	<i>Otus pamelae</i>	<i>Otus senegalensis</i>	II
	<i>Otus semitorques</i>	<i>Otus bakkamoena</i>	II
	<i>Otus siaoensis</i>	<i>Otus magicus</i>	II
	<i>Otus socotranus</i>	<i>Otus senegalensis</i>	II
	<i>Otus stresemanni</i>	<i>Otus spilocephalus</i>	II
	<i>Otus sulaensis</i>	<i>Otus magicus</i>	II
	<i>Otus tempestatis</i>	<i>Otus magicus</i>	II
	<i>Philoscops flammeolus</i>	<i>Otus flammeolus</i>	II
	<i>Pulsatrix pulsatrix</i>	<i>Pulsatrix perspicillata</i>	II
	<i>Strix bartelsi</i>	<i>Strix leptogrammica</i>	II
	<i>Strix davidi</i>	<i>Strix uralensis</i>	II
	<i>Strix huhula</i>	<i>Ciccaba huhula</i>	II
	<i>Strix newarensis</i>	<i>Strix leptogrammica</i>	II
	<i>Strix niasensis</i>	<i>Strix leptogrammica</i>	II
	<i>Strix nigrolineata</i>	<i>Ciccaba nigrolineata</i>	II
	<i>Strix nivicola</i>	<i>Strix aluco</i>	II
	<i>Taenioglaux albertina</i>	<i>Glaucidium capense</i>	II
	<i>Taenioglaux capense</i>	<i>Glaucidium capense</i>	II
	<i>Taenioglaux castanea</i>	<i>Glaucidium capense</i>	II
	<i>Taenioglaux castanonota</i>	<i>Glaucidium castanonotum</i>	II
	<i>Taenioglaux castanoptera</i>	<i>Glaucidium castanopterum</i>	II
	<i>Taenioglaux cuculoides</i>	<i>Glaucidium cuculoides</i>	II
	<i>Taenioglaux ethecopari</i>	<i>Glaucidium capense</i>	II
	<i>Taenioglaux radiata</i>	<i>Glaucidium radiatum</i>	II
	<i>Taenioglaux sjostedti</i>	<i>Glaucidium sjostedti</i>	II
TYTONIDAE	<i>Phodilus assimilis</i>	<i>Phodilus badius</i>	II
	<i>Tyto bargei</i>	<i>Tyto alba</i>	II
	<i>Tyto castanops</i>	<i>Tyto novaehollandiae</i>	II
	<i>Tyto crassirostris</i>	<i>Tyto alba</i>	II
	<i>Tyto delicatula</i>	<i>Tyto alba</i>	II
	<i>Tyto deroepstorffi</i>	<i>Tyto alba</i>	II
	<i>Tyto detorta</i>	<i>Tyto alba</i>	II
	<i>Tyto furcata</i>	<i>Tyto alba</i>	II
	<i>Tyto insularis</i>	<i>Tyto alba</i>	II
	<i>Tyto longimembris</i>	<i>Tyto capensis</i>	II
	<i>Tyto prigoginei</i>	<i>Phodilus prigoginei</i>	II
	<i>Tyto punctatissima</i>	<i>Tyto alba</i>	II
	<i>Tyto thomensis</i>	<i>Tyto alba</i>	II
REPTILIA			
SERPENTES			
BOIDAE	<i>Epicrates alvarezii</i>	<i>Epicrates cenchria</i>	II
	<i>Epicrates assisi</i>	<i>Epicrates cenchria</i>	II
	<i>Epicrates maurus</i>	<i>Epicrates cenchria</i>	II

¹ *Ninox dubiosa* is only known from a hide/skin without any indication of locality found at.

	New species name	Valid name under CITES	Listed in Appendix
PYTHONIDAE	<i>Morelia macbyrnei</i>	<i>Morelia</i> sp.	II
	<i>Morelia mippughae</i>	<i>Morelia</i> sp.	II
TESTUDINES			
CHELIDAE	<i>Chelodina timorensis</i>	<i>Chelodina mccordi</i>	II
GEOEMYDIDAE	<i>Cuora evelynae</i>	<i>Cuora flavomarginata</i>	II
TRIONYCHIDAE	<i>Nilssonina gangetica</i>	<i>Aspideretes gangeticus</i>	I
	<i>Nilssonina hurum</i>	<i>Aspideretes hurum</i>	I
	<i>Nilssonina nigricans</i>	<i>Aspideretes nigricans</i>	I
AMPHIBIA			
ANURA			
BUFONIDAE	<i>Altiphrynoides osgoodi</i>	<i>Spinophrynoides osgoodi</i>	I
	<i>Amietophrynus superciliaris</i>	<i>Bufo superciliaris</i>	I
	<i>Cranopsis periglenes</i>	<i>Bufo periglenes</i>	
	<i>Incilius periglenes</i>	<i>Bufo periglenes</i>	
	<i>Ollotis periglenes</i>	<i>Bufo periglenes</i>	I
DENDROBATIDAE	<i>Adelphobates castaneoticus</i>	<i>Dendrobates castaneoticus</i>	II
	<i>Adelphobates galactonotus</i>	<i>Dendrobates galactonotus</i>	II
	<i>Adelphobates quinquevittatus</i>	<i>Dendrobates quinquevittatus</i>	II
	<i>Allobates myersi</i>	<i>Epipedobates myersi</i>	II
	<i>Allobates rufulus</i>	<i>Epipedobates rufulus</i>	II
	<i>Ameerega altamazonica</i>	<i>Epipedobates hahneli</i>	II
	<i>Ameerega andina</i>	<i>Epipedobates andinus</i>	II
	<i>Ameerega bassleri</i>	<i>Epipedobates bassleri</i>	II
	<i>Ameerega bilinguis</i>	<i>Epipedobates bilinguis</i>	II
	<i>Ameerega boehmei</i>	<i>Epipedobates braccatus</i>	II
	<i>Ameerega boliviana</i>	<i>Epipedobates bolivianus</i>	II
	<i>Ameerega braccata</i>	<i>Epipedobates braccatus</i>	II
	<i>Ameerega cainarachi</i>	<i>Epipedobates cainarachi</i>	II
	<i>Ameerega erythromos</i>	<i>Epipedobates erythromos</i>	II
	<i>Ameerega flavopicta</i>	<i>Epipedobates flavopictus</i>	II
	<i>Ameerega hahneli</i>	<i>Epipedobates hahneli</i>	II
	<i>Ameerega ingeri</i>	<i>Epipedobates ingeri</i>	II
	<i>Ameerega labialis</i>	<i>Epipedobates labialis</i>	II
	<i>Ameerega macero</i>	<i>Epipedobates macero</i>	II
	<i>Ameerega maculata</i>	<i>Epipedobates maculatus</i>	II
	<i>Ameerega parvula</i>	<i>Epipedobates parvulus</i>	II
	<i>Ameerega peruviridis</i>	<i>Epipedobates trivittatus</i>	II
	<i>Ameerega petersi</i>	<i>Epipedobates petersi</i>	II
	<i>Ameerega picta</i>	<i>Epipedobates pictus</i>	II
	<i>Ameerega planipaleae</i>	<i>Epipedobates planipaleae</i>	II
	<i>Ameerega pongoensis</i>	<i>Epipedobates pongoensis</i>	II
	<i>Ameerega pulchripecta</i>	<i>Epipedobates pulchripectus</i>	II
	<i>Ameerega rubriventris</i>	<i>Epipedobates rubriventris</i>	II
	<i>Ameerega silverstonei</i>	<i>Epipedobates silverstonei</i>	II
	<i>Ameerega simulans</i>	<i>Epipedobates simulans</i>	II
	<i>Ameerega smaragdina</i>	<i>Epipedobates smaragdinus</i>	II
	<i>Ameerega trivittata</i>	<i>Epipedobates trivittatus</i>	II
	<i>Excitobates captivus</i>	<i>Dendrobates captivus</i>	II
<i>Excitobates mysteriosus</i>	<i>Dendrobates mysteriosus</i>	II	
<i>Hyloxalus azureiventris</i>	<i>Cryptophyllobates azureiventris</i>	II	
<i>Myniobates steyermarki</i>	<i>Dendrobates steyermarki</i>	II	
<i>Oophaga arborea</i>	<i>Dendrobates arboreus</i>	II	
<i>Oophaga granulifera</i>	<i>Dendrobates granuliferus</i>	II	
<i>Oophaga histrionica</i>	<i>Dendrobates histrionicus</i>	II	
<i>Oophaga lehmanni</i>	<i>Dendrobates lehmanni</i>	II	
<i>Oophaga occultator</i>	<i>Dendrobates occultator</i>	II	
<i>Oophaga pumilio</i>	<i>Dendrobates pumilio</i>	II	

	New species name	Valid name under CITES	Listed in Appendix
	<i>Oophaga speciosa</i>	<i>Dendrobates speciosus</i>	II
	<i>Oophaga sylvatica</i>	<i>Dendrobates histrionicus</i>	II
	<i>Oophaga vicentei</i>	<i>Dendrobates vicentei</i>	II
	<i>Ranitomeya abdita</i>	<i>Dendrobates abditus</i>	II
	<i>Ranitomeya altobueyensis</i>	<i>Dendrobates altobueyensis</i>	II
	<i>Ranitomeya amazonica</i>	<i>Dendrobates amazonicus</i>	II
	<i>Ranitomeya benedicta</i>	<i>Dendrobates fantasticus</i>	II
	<i>Ranitomeya biolat</i>	<i>Dendrobates biolat</i>	II
	<i>Ranitomeya bombetes</i>	<i>Dendrobates bombetes</i>	II
	<i>Ranitomeya claudiae</i>	<i>Dendrobates claudiae</i>	II
	<i>Ranitomeya duellmani</i>	<i>Dendrobates duellmani</i>	II
	<i>Ranitomeya fantastica</i>	<i>Dendrobates fantasticus</i>	II
	<i>Ranitomeya flavovittata</i>	<i>Dendrobates flavovittatus</i>	II
	<i>Ranitomeya fulgurita</i>	<i>Dendrobates fulguritus</i>	II
	<i>Ranitomeya ignea</i>	<i>Dendrobates quinquevittatus</i>	II
	<i>Ranitomeya imitator</i>	<i>Dendrobates imitator</i>	II
	<i>Ranitomeya intermedia</i>	<i>Dendrobates imitator</i>	II
	<i>Ranitomeya lamasi</i>	<i>Dendrobates lamasi</i>	II
	<i>Ranitomeya minuta</i>	<i>Dendrobates minutus</i>	II
	<i>Ranitomeya opisthomelas</i>	<i>Dendrobates opisthomelas</i>	II
	<i>Ranitomeya reticulata</i>	<i>Dendrobates reticulatus</i>	II
	<i>Ranitomeya rubrocephala</i>	<i>Dendrobates rubrocephalus</i>	II
	<i>Ranitomeya sirensis</i>	<i>Dendrobates imitator</i>	II
	<i>Ranitomeya summersi</i>	<i>Dendrobates fantasticus</i>	II
	<i>Ranitomeya tolimensis</i>	<i>Dendrobates sp.</i>	II
	<i>Ranitomeya uakarii</i>	<i>Dendrobates uakarii</i>	II
	<i>Ranitomeya vanzolinii</i>	<i>Dendrobates vanzolinii</i>	II
	<i>Ranitomeya variabilis</i>	<i>Dendrobates variabilis</i>	II
	<i>Ranitomeya ventrimaculata</i>	<i>Dendrobates ventrimaculatus</i>	II
	<i>Ranitomeya viridis</i>	<i>Dendrobates viridis</i>	II
	<i>Ranitomeya virolinensis</i>	<i>Dendrobates virolensis</i>	II
ACTINOPTERYGII			
SYNGNATHIFORMES			
SYNGNATHIDAE	<i>Hippocampus curvicaudus</i>	<i>Hippocampus histrix</i>	II
	<i>Hippocampus pusillus</i>	<i>Hippocampus jugumus</i>	II
ARTHROPODA			
INSECTA			
PAPILIONIDAE	<i>Ornithoptera euphorion</i>	<i>Ornithoptera priamus</i>	II
	<i>Troides celebensis</i>	<i>Troides criton</i>	II

DRAFT DECISIONS OF THE CONFERENCE OF THE PARTIES

Concerning the Revision and Publication of the CITES Appendices

In addition to the recommendation of the Secretariat (CoP15 Doc. 12) the Animals Committee developed a number of further recommendations to speed up and improve the revision of the CITES Appendices.

Directed to the Parties

- 15.xx a) Parties should be encouraged to submit queries regarding nomenclature to the nomenclature specialist as early as possible in advance of submitting any amendment proposal.
- b) A “tool-kit” to facilitate the Parties in putting information into their own databases could be developed, subject to funding. This tool could include data outputs and summaries of nomenclature changes in a variety of electronic formats to suit different types of databases thus assisting Parties to include the changes into their own databases.

- c) A review should be undertaken, subject to funding, of recent proposed changes to the taxonomy and nomenclature of CITES-listed mammals, reptiles and amphibians of Madagascar, with a view to producing checklists to be considered by the Animals Committee in preparation for CoP16.

Directed to the Animals Committee

- 15.xx a) An analysis should be undertaken to identify mono-specific taxa listed in the appendices, and where appropriate to prepare proposals to simplify the listing of these taxa to cover the highest taxon possible, without altering the scope of the listing. This would also accelerate the revision of the Appendices in the future.
- b) If nomenclature changes are identified affecting Appendix III listings, the nomenclature specialist of the Animals Committee should advise the Secretariat whether these changes also result in changes in distribution affecting the countries issuing certificates of origin.

Concerning the budget needed for the nomenclature activities of the Animals and Plants Committees

As outlined in the nomenclature report of the Animals and Plants Committees, a number of necessary activities require funding in order to be completed. This should be made available for the next term.

Directed to the Parties

- 15.xx The Parties should include the following in the budget of the Animals and Plants Committees or provide funding from other sources.

Project/Year	2010	2011	2012	2013	Total
FAUNA					
Corals	US8,000	US12,000			US20,000
Papilionidae	US4,000	US4,000			US8,000
Publication			US12,000		US12,000
Total	US12,000	US16,000	US12,000		US40,000
FLORA					
Orchids		US5,000			US5,000
Cacti		US,8,000			US8,000
Publication		US12,000			US12,000
Total		US25,000			US25,000

COMMENTS FROM THE SECRETARIAT

- A. The Secretariat understands that species nomenclature is changing rapidly, in line with increased understanding of species taxonomy, particularly as a consequence of the use of genetic tools. It appreciates that the Animals Committee has taken a pragmatic and conservative approach to reflecting these changes in the Appendices. Nonetheless, it is concerned about the large number of changes proposed and their impact on the implementation of the Convention. The Secretariat observes, for example, that the proposal to treat the species *Scleropages formosus* as four different species in future will mean consulting the 94 commercial captive-breeding operations for this species, registered under Resolution Conf. 12.10 (Rev. CoP14) on *Guidelines for a procedure to register and monitor operations that breed Appendix-I animal species for commercial purposes*, in order to determine which of the newly recognized species they breed and whether the change has any impact on the registration. Although paragraph j) under the first RECOMMENDS of Resolution Conf. 12.11 (Rev. CoP14) on *Standard Nomenclature* states that when the Animals or Plants Committee recommends a change in the name of a taxon to be used in the Appendices, it also provide an evaluation of the implications for the implementation of the Convention, it is appears that some implications may have been overlooked in this instance.

B. The Secretariat will verify whether the adoption of the new standard nomenclatural references proposed will require any further changes to the Appendices, other than those already indicated in Table 1 of the document, and report orally at the present meeting.

C. With regard to the draft decisions concerning the revision and publication of the CITES Appendices, the Secretariat recommends the following:

i) Regarding the draft decisions directed to the Parties:

a) First bullet point:

This calls for a continuous activity and would therefore be better presented as a draft addition to Resolution Conf. 11.1 (Rev. CoP14) on *Establishment of committees, Annex 2*, paragraph b) under the first as follows (new paragraph to be inserted after subparagraph iv) and subsequent paragraphs to be renumbered:

“v) upon request, provide advice to Parties concerning nomenclature issues related to proposals to amend the Appendices.”

b) Second bullet point:

The nature and cost of development of the “tool-kit” mentioned in this bullet point requires clarification.

c) Third bullet point:

The Secretariat believes that the suggested action is something that should be undertaken by the Animals Committee rather than by the Parties, and that it does not require a decision of the Conference of the Parties.

ii) Regarding the draft decisions directed to the Animals Committee:

a) First bullet point:

The proposed text, in a slightly different form, was considered by the Standing Committee at its 58th meeting (Geneva, July 2009). The Standing Committee agreed that it should be presented for adoption at the present meeting. The text endorsed by the Standing Committee for consideration at CoP15, was as follows:

[The Animals and Plants Committees shall] conduct an analysis to identify monospecific taxa listed in the Appendices at the level of genus or above, and where appropriate to prepare proposals to simplify the listing of these taxa to cover the highest taxon possible, without altering the scope of the listing, for submission to the Conference of the Parties by the Depositary Government.

b) Second bullet point:

Any export of a specimen of a species included in Appendix III requires either an export permit, if the country of export is the Party that requested the inclusion, or a certificate of origin, if the country of export is not that Party. The Secretariat therefore sees no necessity for the nomenclatural specialists to provide information on the distribution of the species, and does not support the draft decision.

iii) Recommendations from the Standing Committee:

At its 58th meeting, the Standing Committee discussed the delays in the revision of the Appendices, after meetings of the Conference of the Parties, that can be caused by the adoption of large numbers of nomenclatural changes. In consequence, the Committee agreed that the Secretariat should present the following two proposals for adoption:

a) In Resolution Conf. 9.24 (Rev. CoP14), immediately before the first paragraph under 'ENCOURAGES', insert the following:

"URGES Parties that are considering the submission of a proposal to amend the Appendices, in cases where there is any doubt regarding the nomenclature to follow, to consult the nomenclature specialist of the Animals Committee or the Plants Committee as early as possible in advance of submitting the proposal."

b) In Resolution Conf. 12.11 (Rev. CoP14), under 'RECOMMENDS that', at the end, insert the following:

"k) when the Animals or Plants Committee submits any proposal to the Conference of the Parties to change a standard nomenclatural reference, it shall include a list of the amendments that would have to be made to the Appendices if the proposal were adopted."

D. With regard to the draft decisions concerning the budget needed for the nomenclatural activities of the Animals and Plants Committees, if a decision is made regarding work to be done, the Secretariat will thereafter incorporate the activity and the required amount of external funding into the costed programme of work for the appropriate year. As the Secretariat will be mobilizing resources for the overall costed programme of work, in accordance with priorities established by the Parties, there is no need for it to be separately instructed to identify funds for a particular activity and such an instruction may be deleted.