

Selection of species for inclusion in the Review of Significant Trade following CoP17

To comply with Stage 1 a) of Resolution Conf. 12.8 (Rev. CoP17) and the *Guidance regarding the selection of species/country combinations* outlined in Annex 2 of the Resolution, the UN Environment World Conservation Monitoring Centre (UNEP-WCMC) has produced an **extended analysis** to assist the Plants Committee with their work in selecting species for inclusion in the Review of Significant Trade following CoP17. A **summary output**, providing trade in wild, ranched, source unknown and trade without a source specified over the five most recent years (2011-2015), to accompany this analysis is provided in PC23 Doc 15.3 Annex 1.

The methodology for the extended analysis was discussed by the 2nd meeting of the Advisory Working Group (AWG) of the Evaluation of the Review of Significant Trade (Shepherdstown, 2015). The AWG concluded that three criteria should be retained within the methodology (“high volume trade/high volume trade for globally threatened species”, “sharp increase in trade” and “endangered species in trade”), but that two previously used criteria added little value to the prioritisation exercise (“high variability in trade” and “overall increase/overall decrease in trade”). In addition, it was agreed to refine the methodology for “High Volume” trade to ensure that thresholds are set at a fine taxonomic resolution (order level) to ensure representation for all taxonomic orders. It was also agreed to include analysis of “Sharp Increase” in trade at the country level, as well as at the global level. Accordingly, the methods for the extended analysis were revised and full details are provided on page 3.

Data used

Data were extracted from the CITES Trade Database (trade.cites.org) on 26th April 2017. Details of the data used for the extended analysis are provided in Table 1. The taxa that met the criteria of the extended analysis are provided in Table 2 (p. 8). Trade reported at higher taxonomic levels (e.g. at the family, order or class level) was retained.

Table 1. Data included for the criteria in Stage 1a) of Res. Conf. 12.8 (Rev. CoP17).

	Data included
CITES Trade Database report type	Gross exports; Direct trade only (re-exports are excluded)
Current Appendix	Appendix II taxa and Appendix I taxa subject to reservation
Source codes¹	Wild ('W'), unknown ('U') no reported source ('-') and ranched (R)
Purpose codes¹	All
Terms included	<i>Selected terms²</i> : bark, carvings, chips, cultures, derivatives, dried plants, extract, flowers, flower pots, fruit, furniture, leaves, live, logs, plywood, powder, roots, sawn wood, seeds, stems, timber, timber carvings, timber pieces, veneer, and wax.
Units of measure	Number (unit = blank), kg, l, m, m ² , m ³ <i>[where necessary, trade reported in other metrics was converted to one of these units in order to standardise the data and facilitate analysis]</i>
Year range	2011-2015 ³ <i>[Data from 2006-2015 used in the analysis/selection process]</i>
Contextual information	<ul style="list-style-type: none"> • The global conservation status and population trend of the species as published in The IUCN Red List of Threatened Species; • Whether the species/country combination was subject to the Review of Significant Trade process for the last three iterations (post CoP14, post CoP15 and post CoP16); • Whether the taxon was reported in trade for the first time within the CITES Trade Database since the last Review of Significant Trade selection process (i.e. 2012)⁴; • A list of countries with direct exports in any of the most recent five years (2011-2015), ranked from high to low by volume of trade; • The number of range States (highlighting any endemic species)⁵, according to Species+⁶; • Species that are subject to listing annotations relating to zero quotas⁷, or where a published zero export quota exists for any year 2013-2017 (either on a country voluntary basis, or resulting from the Review of Significant Trade); • Species/country combinations that are subject to current Standing Committee recommendations to suspend trade; and • Species that were recently listed at CoP15 and CoP16 (no trade data is available for CoP17 listings).

¹ A full list and description of source and purpose codes is specified in Res. Conf. 12.3 (Rev. CoP17).

² A full list of "terms" (i.e. descriptions of specimens in trade) traded is available in the CITES Trade Database interpretation guide, see: https://trade.cites.org/cites_trade_guidelines/en-CITES_Trade_Database_Guide.pdf

³ Trade data for 2015 may appear lower than other years due to missing annual reports; 59% of Parties had submitted an annual report for 2015 that could be included for this analysis (as of 26th April 2017).

⁴ Where possible, nomenclature changes have been accounted for. However, some taxa may be indicated as being in trade for the first time since the last selection process that were previously traded under a different taxonomic name.

⁵ Introduced species were excluded from this number.

⁶ Species+ is a database maintained by UNEP-WCMC and accessible from speciesplus.net.

⁷ Whilst an indication of an annotation relating to a zero quota is provided, the entire annotation text cannot be included in the printed output, but is available in the excel output.

Species selection methodology

The dataset was filtered using a set of criteria to extract the species showing noteworthy patterns of trade. The selection of species highlighted in this detailed analysis was derived using the analysis framework depicted in Figure 1.

Trade levels were selected as noteworthy according to five criteria:

- i) **Endangered Species:** Species categorized as Critically Endangered (CR) or Endangered (EN) according to *The IUCN Red List of Threatened Species* (any species-country combinations with trade meet the criteria);
- ii) **Sharp Increase (Global):** Taxa showing a sharp increase in global trade in 2015, in comparison to the average over the preceding five-year period (2010-2014);
- iii) **Sharp Increase (Country):** Taxa showing a sharp increase in trade in 2015 at the country level (for countries of export) in comparison to the average over the preceding five-year period (2010-2014);
- iv) **High Volume:** Taxa traded at levels considered to be high compared to other taxa in their order over the most recent five year period (2011-2015);
- v) **High Volume (Globally Threatened):** Globally threatened⁸, Near-Threatened (NT) and Data Deficient (DD) taxa traded at relatively high volumes for their taxonomic order over the most recent five year period (2011-2015).

Further details on these criteria are summarized in Figure 1, followed by a detailed description of each criterion.

⁸ To be considered “globally threatened”, a species must be categorised as Critically Endangered (CR), Endangered (EN) or Vulnerable (VU) on the IUCN Red List.

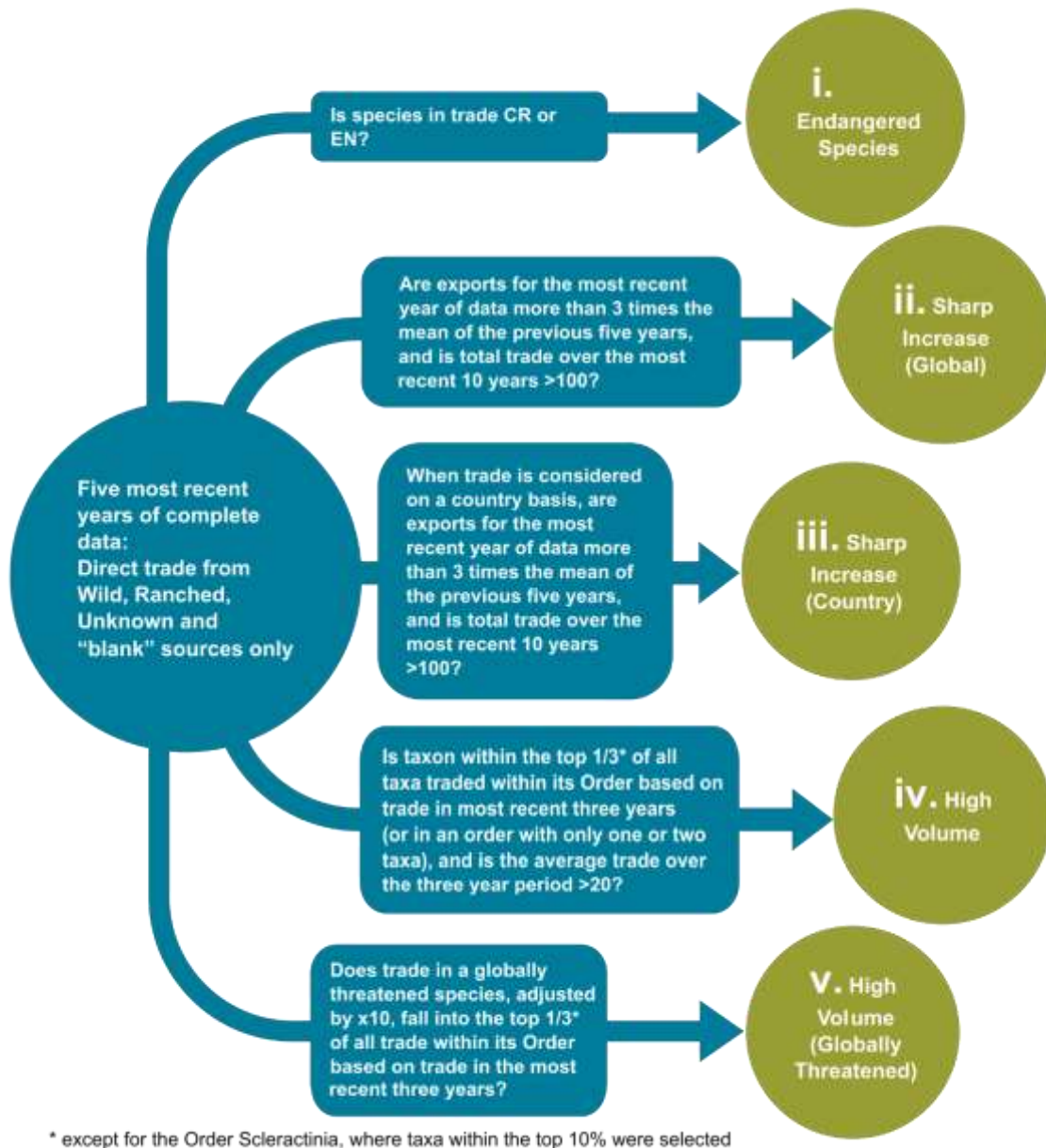


Figure 1. Flow chart for the method for selecting candidate species for consideration in the RST.

Criterion i) Endangered Species

Species threatened with extinction are assumed to be more adversely affected by high trade volumes and more susceptible to changes in trade patterns than non-threatened species. For this reason, species in trade that have been classified as Critically Endangered and Endangered in *The IUCN Red List of*

*Threatened Species*⁹ were automatically selected for inclusion if any trade was reported in the most recent five years of near-complete data (2011-2015).

Criterion ii) Sharp Increase (Global)

Taxa met this criterion if the volume of direct exports in 2015 at the global level was more than three times the average trade volume of the preceding five years (2010-2014) (see Figure 2 below). Taxa that, despite a sharp increase in trade, were still only traded in very low volumes (i.e. totalling less than 100 over the 10 year period 2006-2015), were not considered to meet this criterion.

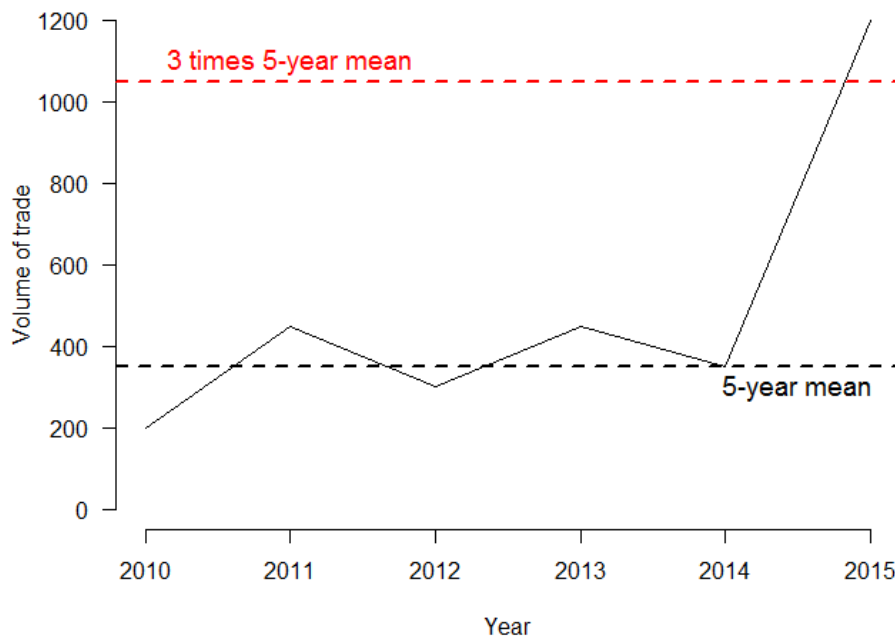


Figure 2. Illustration of the application of the ‘sharp increase’ criterion (direct gross exports).

Criterion iii) Sharp Increase (Country)

Taxon/country combinations met this criterion if the volume of direct exports in 2015 for a taxon were more than three times the average trade volume of the preceding five years as exported by a particular country (based on gross exports), and the total trade level for the taxon/country combination over the last 10 years was 100 units or more.

Criterion iv and v) High Volume and High Volume (Globally Threatened)

To identify representative taxa traded at high volumes across taxonomic groups, the most highly traded taxa within each order (based on the sum of trade across all accepted terms) were selected as “High Volume”. As the first step, taxa were excluded if trade averaged less than 20 units for the three years 2013-2015 (unless listed as Endangered or Critically Endangered on the IUCN Red List, in which case they were included if they averaged at least 1 unit for the three year period). The remaining taxa met the High Volume criterion if they fell within the top third of taxa in each order by volume of trade, based on

⁹ www.iucnredlist.org Data downloaded on 03rd April 2017.

the average of three years of direct trade levels. Where only one or two taxa within an order were represented, these were selected (provided that average trade level was 20 or more units for the three years 2013-2015).

Global threat status was taken into consideration when applying the ‘High Volume’ criterion. To account for global threat status, the average trade volumes for globally threatened species¹⁰, as well as those species classified as Near Threatened and Data Deficient, were adjusted by multiplying by 10. This was done prior to selecting the top third of the order. An example showing how species were selected for this criterion is provided in Box 1. It should be noted that not all species have been assessed in the *IUCN Red List of Threatened Species*; the trade volumes are not adjusted where species have not been assessed by the IUCN.

Box 1. Determination of species meeting the High Volume criterion.

To illustrate the High Volume and High Volume (Globally Threatened) criteria, we consider a sample order with nine species in trade (see table below). The top third (in this case the top 3 species) would be selected. In the absence of any globally threatened species, species 1, 2 and 3 would meet the criteria. However, as species 6 and 9 are globally threatened, the average trade volumes for those species are adjusted by multiplying by 10. Based on the adjusted trade volumes, the species with the highest trade volumes were then species 6, 1 and 2.

Species 1 and 2 would then be selected as “High Volume”, and species 6 would be selected as “High Volume (Globally Threatened)” because of its threat status. The species that would be selected are highlighted in grey in the table below.

Example order	Average Trade Volume 2013-2015	Adjusted average trade volume 2013-2015	Globally threatened (CR, EN, VU, NT or DD)	Criterion met
Species 1	1000	1000	No	High Volume
Species 2	850	850	No	High Volume
Species 3	820	820	No	
Species 4	750	750	No	
Species 5	600	600	No	
Species 6 (VU)	200	2000	Yes	High Volume (Globally Threatened)
Species 7	55	55	No	
Species 8	3	3	No	
Species 9 (EN)	1	10	Yes	

¹⁰ Defined as species classified in the IUCN Red List of Threatened Species as Critically Endangered, Endangered, and Vulnerable. For this criterion, species considered Near Threatened and Data Deficient have also been included.

Species selection results

Key

Taxon: Taxa should be assumed to be Appendix II unless otherwise indicated. For Appendix I species that are subject to a reservation, this is indicated as “(Res. I)”.

Selection criteria: If more than one criterion is met, this is indicated with “[2] met:” and the criteria met are in bold. * sharp increases for endemic species are the same as a sharp increase at the global level (= one criterion met).

IUCN status: DD = Data Deficient, NE = Not Evaluated, LC = Least Concern, NT = Near Threatened, VU = Vulnerable, EN = Endangered, CR = Critically Endangered.

IUCN population trends in brackets: (→) = stable population trend, (↓) = decreasing population trend, (↑) = increasing population trend, (?) = unknown population trend, (NE) = population trend not evaluated or [blank].

Exporters and Contextual information: For country and territory names see Annex A. Exporters are ranked from highest to lowest volume of trade over the five-year (2011-2015) period. Zero quota are indicated for any year 2013-2017, but not necessarily for all years in that period. Please refer to PC23 Inf. 1 for full details of the years in which zero export quota were published.

Range States: the number of range States according to Species+. Endemic species (= 1 range State) are highlighted in bold

% trade by Source: W = Wild, R = Ratched, U = Unknown, - = Not reported. % are correct to 2 decimal places, sources accounting for <0.01% of total trade will not be reported.

Extended analysis

Table 2: Flora taxa selected through the flowchart process. Quantities are in gross exports and rounded to the nearest decimal place, when applicable. Data extracted from the CITES Trade Database 26th April 2017. [See Key on p. 7]

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
Amaryllidaceae													
<i>Galanthus elwesii</i>	live		5250000	5250000	5166150	4762037	3776954	High volume (GT)	DD (↓)	TR	5	subject to RST Post CoP16 (TR)	W(100%)
<i>Galanthus woronowii</i>	live		18000000	18000060	18243175	18333425	13832717	High volume (GT)	VU (?)	GE, TR	3		W(100%)
Anacardiaceae													
<i>Operculicarya hyphaenoides</i>	live		275	106	2	0	50	Endangered	EN (↓)	MG	1		W(100%)
<i>Operculicarya pachypus</i>	live		256	405	82	346	505	2 met: Endangered; High volume (GT)	EN (↓)	MG	1		W(100%)
Apocynaceae													
<i>Hoodia gordonii</i>	derivatives	kg	1941.1	100.8	102191.2	0.7	0	High volume	NE	ZA	1	subject to RST Post CoP16 (NA,ZA)	W(99.9%); - (0.1%)
		l	0	0	0	45.2	0						
	extract	kg	60	5.3	150	0	0						
		l	2	0.5	2880	0	0						
	powder	kg	6049.9	7608.2	43841.8	1824.8	0						
<i>Pachypodium brevicaulis</i>	live		770	1015	581	0	0	High volume (GT)	VU (↓)	MG	1		W(100%)
<i>Pachypodium eburneum</i>	live		50	235	211	287	335	2 met: Endangered; High volume (GT)	CR (↓)	MG	1		W(100%)
<i>Pachypodium horombense</i>	live		155	180	103	35	488	Sharp increase (Madagascar*)	NE	MG	1		W(100%)
<i>Pachypodium inopinatum</i>	live		71	130	106	95	173	Endangered	CR (↓)	MG	1		W(100%)
<i>Pachypodium rosulatum</i>	live		204	80	101	207	403	2 met: Sharp Increase (global); Sharp increase (Madagascar)	NE	MG	1		W(100%)
Araliaceae													
<i>Panax quinquefolius</i>	roots		75	0	37	38	0	High volume	NE	US, CA, HK	3		W(100%)
		kg	22741	21920.1	33490.5	35868.7	28760.9						

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Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
Berberidaceae													
<i>Podophyllum hexandrum</i>	extract	kg	0	667	741	466.5	1130	High volume	NE	IN	6		W(100%)
Cactaceae													
<i>Echinopsis chiloensis</i>	carvings		440	1390	2707	164	0	High volume	LC (→)	CL	1		W(96.5%); - (3.5%)
		m	5337.5	2614.7	3195	0	0						
	derivatives		0	0	550	0	0						
	dried plants		0	160	60	125	155						
	stems		300	0	350	0	100						
	timber		4825	1800	0	2295	413						
		m	0	0	0	2689.2	0						
<i>Eulychnia acida</i>	carvings		12650	12865	15890	24846	150	High volume	LC (→)	CL	1		W(100%)
		m	22111.6	23142.8	14220	0	0						
	derivatives		15	0	0	170	0						
	dried plants		565	0	0	0	515						
	stems		0	6644	0	2046	0						
		kg	2295	1402	876	0	0						
		m	0	0	0	14475.5	0						
<i>Hylocereus undatus</i>	stems	kg	0	0	2249	0	0	High volume (GT)	DD (?)	NI, MX			W(100%)
<i>Opuntia cholla</i>	dried plants	kg	0	0	0	0	3000	Sharp increase (Mexico*)	LC (→)	MX	1		W(100%)
	stems	kg	0	0	2900	0	0						
<i>Opuntia</i> spp.	stems	kg	10678	42487.6	26508	0	0	High volume	NE	MX			W(100%)
Cucurbitaceae													
<i>Zygosicyos pubescens</i>	live		0	0	120	45	91	High volume	NE	MG	1	First reported in trade since last RST selection	W(100%)
<i>Zygosicyos tripartitus</i>	live		55	20	69	0	132	2 met: High volume; Sharp Increase (Madagascar*)	NE	MG	1		W(100%)

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Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
Cyatheaceae													
<i>Sphaeropteris glauca</i>	chips	kg	0	3.3	11800	0	0	High volume	NE	ID, JP, TW	4		W(100%)
	dried plants	kg	0	0	0	136236	6310.3						
	stems	kg	0	0	0	0	3232						
	timber	kg	187927	215745	124542	1630	0						
Cycadaceae													
<i>Cycas revoluta</i>	live		78690	291260	6892	0	0	High volume	LC (→)	HN, CR	2		W(2.7%); - (97.3%)
Dicksoniaceae													
<i>Cibotium barometz</i>	dried plants		0	0	0	0	3	High volume	NE	VN, CN, ID	12		W(100%)
		kg	180300	161500	0	125545	0						
	stems		0	0	0	0	10						
	timber		0	0	45	0	0						
Ebenaceae													
<i>Ebenaceae</i> spp.	dried plants		0	0	136	632	0	High volume	NE	MG		First reported in trade since last RST selection	W(100%)
	extract		0	0	0	99	0						
	leaves		0	0	0	22	0						
Euphorbiaceae													
<i>Euphorbia ankarensis</i>	live		0	25	0	22	10	Endangered	EN (NE)	MG	1		W(100%)
<i>Euphorbia antisiphilitica</i>	extract	kg	1000	23000	600	300	6000	High volume	NE	MX, US	2		W(99.9%); - (0.1%)
	wax	kg	1572474	1700315	1575367	1319673	1229370						
<i>Euphorbia guillauminiana</i>	live		180	10	0	160	280	3 met: Endangered; High volume (GT); Sharp increase (Madagascar*)	EN (NE)	MG	1		W(100%)
<i>Euphorbia hedyotoides</i>	live		0	75	121	102	50	Endangered	EN (NE)	MG	1		W(100%)
<i>Euphorbia itremensis</i>	live		180	180	250	50	0	High volume (GT)	VU (?)	MG	1	subject to RST Post CoP15 (MG)	W(100%)
<i>Euphorbia kondoi</i>	live		0	0	0	30	0	Endangered	CR (NE)	MG	1		W(100%)

Extended analysis

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source	
<i>Euphorbia labatii</i>	live		200	450	0	218	0	Endangered	CR (NE)	MG	1		W(100%)	
<i>Euphorbia neohumbertii</i>	live		0	0	0	15	20	Endangered	EN (NE)	MG	1		W(100%)	
<i>Euphorbia pachypodioides</i>	live		0	10	0	50	0	Endangered	CR (NE)	MG	1	subject to RST Post CoP14 (MG); Zero quota published (MG)	W(100%)	
<i>Euphorbia pedilanthoides</i>	live		0	50	120	70	200	2 met: High volume (GT); Sharp increase (Madagascar*)	NT (NE)	MG	1		W(100%)	
<i>Euphorbia perrieri</i>	live		0	0	20	5	715	2 met: High volume (GT); Sharp increase (Madagascar*)	VU (NE)	MG	1		W(100%)	
<i>Euphorbia razafindratsirae</i>	live		0	0	0	25	20	Endangered	CR (NE)	MG	1		W(100%)	
<i>Euphorbia sakarahaensis</i>	live		0	50	130	70	200	2 met: High volume (GT); Sharp increase (Madagascar*)	VU (NE)	MG	1		W(100%)	
<i>Euphorbia suzannae-marnierae</i>	live		0	0	0	50	70	Sharp Increase	NE	MG	1		W(100%)	
Leguminosae														
<i>Dalbergia cochinchinensis</i>	timber		0	0	0	246	0	High volume (GT)	VU (NE)	LA, KH, XX, VN	6	First reported in trade since last RST selection; Listed at CoP16; CITES suspension (LA)	W(99.6%); - (0.4%)	
		m	0	0	0	17374	0							
	veneer	m3	0	0	3214	59079.2	5046.3							
		m	0	0	0	50	0							
		m3	0	0	0	50	0							
<i>Dalbergia retusa</i>	timber		1	0	0	215	1	2 met: High volume (GT); Sharp increase (Mexico)	VU (NE)	NI, PA, MX, SV, CR, GT	9	Listed at CoP16	W(100%)	
		m3	112.4	50756.6	8167.1	18884.3	3861.3							
	veneer	m3	0	0	0	0	6.8							

Extended analysis

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
<i>Pericopsis elata</i>	derivatives	m3	0	0	53.5	0	0	3 met: Endangered; High volume (GT); Sharp increase (Cameroon; Congo)	EN (NE)	CD, CM, CG, GH	7	subject to RST Post CoP14 (CD,CF,CG,CM,GH,NA,NG); CITES suspension (CI)	W(95.6%); - (4.4%)
	timber	m3	24838.7	23977.1	27076.6	39046.8	73085.5						
<i>Platymiscium pleiostachyum</i>	timber	m3	0	0	1	5	0	Endangered	EN (NE)	NI	3		W(100%)
<i>Pterocarpus santalinus</i>	carvings		0	0	0	0	4	Endangered	EN (NE)	MY, US	1	subject to RST Post CoP16 (IN); Zero quota published (IN)	W(99.9%); - (0.1%)
<i>Senna meridionalis</i>	live		0	0	0	131	542	Sharp increase (Madagascar*)	NE	MG	1	First reported in trade since last RST selection; Listed at CoP16	W(100%)
Liliaceae													
<i>Aloe greatheadii</i>								2 met: Sharp Increase (global); Sharp increase (South Africa)	NE	ZA	7		W(100%)
	extract	kg	0	0	0	366	350						
<i>Aloe macroclada</i>	chips		0	0	0	0	150	Sharp increase (Madagascar*)	NE	MG	1	subject to RST Post CoP14 (MG)	W(100%)
		kg	0	0	0	100	750						
	dried plants	kg	0	0	0	100	0						
	extract		0	280	498	351	111						
		kg	0	0	3	60	0						
Meliaceae													
<i>Swietenia macrophylla</i>	timber	m3	7971	21791.3	10204.8	9490.6	6457.8	High volume (GT)	VU (NE)	GT, NI, MX, BZ, BR, PE, BO, HN, NA, US, GW, FJ, PA, DO, GB	17	subject to RST Post CoP14 (BO,BZ,CO,EC,HN,NI,VE); Zero quota published (BO,EC,NI)	W(99.8%); - (0.2%)
	veneer	m3	17.2	1579.4	0	19.8	13.7						
<i>Swietenia mahagoni</i>	timber	m3	0	0	214.9	66.5	263.1	2 met: Endangered; Sharp increase (Palau)	EN (NE)	BD, PW, FR, SR, BS	22		W(0.1%); U(2.7%); - (97.2%)

Extended analysis

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
Nepenthaceae													
<i>Nepenthes bicalcarata</i>	dried plants		0	0	0	0	14	High volume (GT)	VU (NE)	BN, MY	3		W(100%)
	leaves		0	162	110	0	0						
Orchidaceae													
<i>Aerangis fuscata</i>	live		20	0	10	0	64	Sharp Increase	NE	MG	1		W(100%)
<i>Aerangis</i> spp.	live		6	30	8	0	191	Sharp Increase	NE	MG, BI			W(100%)
<i>Aeranthes</i> spp.	live		26	20	30	0	101	Sharp Increase	NE	MG			W(100%)
<i>Angraecum coutrixii</i>	live		0	0	0	0	12	Endangered	EN (?)	MG	1		W(100%)
<i>Angraecum humblotianum</i>	live		0	0	0	0	3	Endangered	EN (↓)	MG	1		W(100%)
<i>Angraecum mahavavense</i>	derivatives		0	0	0	0	15	2 met: Endangered; High volume (GT)	CR (↓)	MG	1		W(100%)
	live		0	0	0	0	12						
<i>Angraecum obesum</i>	live		0	0	0	0	10	Endangered	EN (↓)	MG	1		W(100%)
<i>Angraecum pinifolium</i>	live		0	0	0	0	23	Endangered	CR (?)	MG	1		W(100%)
<i>Angraecum</i> spp.								3 met: High volume; Sharp Increase (global); Sharp increase (Madagascar)	NE	MG, BI			W(100%)
	live		0	80	0	0	744						
<i>Cynorkis</i> spp.	live		0	60	60	0	210	2 met: High volume; Sharp Increase	NE	MG			W(100%)
<i>Dendrobium amoenum</i>	stems	kg	0	0	9308.9	0	0	High volume	NE	NP	5		W(100%)
<i>Dendrobium fimbriatum</i>	stems	kg	0	0	9308.9	0	0	High volume	NE	NP, ID, MM	8		W(100%)
<i>Dendrophylax fawcettii</i>	dried plants		0	0	6	0	0	Endangered	CR (↓)	CI	1		W(100%)
<i>Jumellea</i> spp.	live		1	35	35	0	65	Sharp Increase	NE	MG			W(100%)
<i>Koellensteinia</i> spp.	leaves		0	0	0	244	0	High volume	NE	BR			W(100%)

Extended analysis

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
<i>Maxillaria</i> spp.	dried plants		0	0	1	2	46	Sharp Increase	NE	BZ, JM, PA			W(100%)
	live		40	0	0	8	29						
<i>Myrmecophila thomsoniana</i>	dried plants		0	0	29	0	0	2 met: Endangered; High volume (GT)	EN (↓)	JM, CI	1		W(100%)
	live		0	0	68	0	0						
<i>Oeonia</i> spp.	live		10	0	20	0	41	Sharp Increase	NE	MG			W(100%)
<i>Ophrys fusca</i>	derivatives		0	0	0	0	170	2 met: High volume; Sharp increase (Greece*)	NE	GR	1		W(100%)
	dried plants		0	0	160	0	0						
<i>Ophrys</i> spp.	derivatives		0	0	0	0	213	3 met: High volume; Sharp Increase (global); Sharp increase (Greece)	NE	GR, JO			W(99.6%); - (0.4%)
	dried plants		0	0	40	0	0						
	leaves		0	0	0	0	188						
Orchidaceae spp.	derivatives		15	0	4	5	2	2 met: High volume; Sharp increase (Belize; Cambodia; Myanmar)	NE	MG, ID, TW, PE, PA, MM, KH, BZ, VN, PG, JM, CU, LR, US, PH, GT, KM, CR, SR, AU, KN, NZ			W(83.4%); R(0.7%); U(0.3%); - (15.7%)
	dried plants		888	140	1686	1877	1002						
	extract		30	0	0	1006	0						
	flowers		0	0	0	96	30						
	leaves		100	0	517	0	0						
		kg	0	0	17.4	1	0						
	live		2142	11688	481	2377	1234						
	roots		60	0	1236	1580	0						
	seeds		50	0	790	474	0						
<i>Phalaenopsis</i> spp.	dried plants		0	0	0	3	5	2 met: High volume; Sharp Increase	NE	CR, VN, BN, MM, US			W(100%)
	live		25	2	0	256	37296						
<i>Platanthera praeclara</i>	live		0	0	2	8	0	2 met: Endangered; High volume (GT)	EN (↓)	CA	2	First reported in trade since last RST selection	W(100%)
	roots		0	0	4	8	0						
	seeds		0	0	0	4	0						

Extended analysis

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source	
<i>Sarcophyton</i> spp.	live		22	403	752	900	4900	3 met: High volume; Sharp Increase (global); Sharp increase (Viet Nam)	NE		VN, AU, US, PW		W(89.9%); - (10.1%)	
Palmae														
<i>Ravenea rivularis</i>	seeds	kg	7250	2000	3375	7875	4500	2 met: Endangered; High volume (GT)	EN (↓)	MG		1	subject to RST Post CoP14 (MG); Zero quota published (MG)	W(100%)
Pedaliaceae														
<i>Uncarina stellulifera</i>	live		0	0	0	30	80	2 met: High volume; Sharp Increase (Madagascar*)	NE	MG		1	First reported in trade since last RST selection; Listed at CoP16	W(100%)
Primulaceae														
<i>Cyclamen cilicium</i>	live		40380	41350	44400	74361	86839	High volume	NE	TR		1		W(100%)
<i>Cyclamen coum</i>	dried plants		0	0	0	0	32	High volume	NE	TR, GE		11		W(100%)
	extract	l	0	0	0	0	195							
	live		300795	288787	401540	358664	179051							
Rosaceae														
<i>Prunus africana</i>	bark		0	0	0	0	102	High volume (GT)	VU (NE)	CM, UG, CD, CG		22	subject to RST Post CoP16 (CD,CM); Zero quota published (BI,KE,MG); CITES suspension (GQ,TZ)	W(100%)
		kg	635886	535483	988917	1365890	809758							
Santalaceae														
<i>Osyris lanceolata</i>	chips	kg	0	0	0	0	50	High volume	NE	UG, BI		6	First reported in trade since last RST selection; Listed at CoP16	W(100%)
	timber	kg	0	0	0	0	300							
Taxaceae														
<i>Taxus cuspidata</i>	extract	kg	60	0	25	0	0	High volume	LC (→)	KP		5		W(100%)
	timber	m3	15000	0	9200	4600	0							
<i>Taxus wallichiana</i>	extract		0	0	0	0	9847	4 met: Endangered; High volume (GT); Sharp Increase (global); Sharp increase (Nepal)	EN (↓)	NP, MM		11		W(100%)
		kg	0	0	4.5	21.3	0							

Extended analysis

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
Thymelaeaceae													
<i>Aquilaria crassna</i>	carvings	kg	0	0	23.4	0	14.5	Endangered	CR (NE)	TH, LA, MY, VN, SG	4		W(37.5%); - (62.5%)
	chips	kg	373	114	15002	35	0						
	timber	kg	0	0	0	18.5	0						
		m3	0	0	0	7.3	0						
<i>Aquilaria filaria</i>	carvings	kg	2000	0	0	833	0	High volume	NE	ID, SG, PG, IN, MY, XX, SA, TH, LA, AE	2		W(100%)
	chips	kg	449389.5	369089	298831.8	406040	275817.3						
	extract	kg	0	0	0	240	0						
	live	kg	0	0	19350	0	0						
	powder		0	0	0	0	14892.9						
		kg	606226	722774	770827	656921	29285						
	timber		0	0	0	0	997						
		kg	41352	135004	219003	105411	28214						
<i>Aquilaria malaccensis</i>	carvings	kg	1530.6	17.3	754.2	2320	0	High volume (GT)	VU (NE)	ID, MY, BD, SG, TH, IN, TL, JP, BN, VN, LA, CN, OM, BT	10		W(99.9%); - (0.1%)
	chips		218	205	0	1810	20745						
		kg	305839.8	135450.4	191530.1	127865	72726.5						
	extract		0	0	0	21	0						
	live	kg	0	0	1893.3	0	0						
	powder	kg	84800	74500	96978	14000	0						
	timber	kg	29280.1	69184	54123	29206	13259.9						
<i>Aquilaria</i> spp.	chips		0	0	34	0	0	High volume	NE	MY, ID, TH, VN, IN, XX, PG, CN, GB, OM, AE			W(100%)
		kg	162790.2	174849.4	144169.2	170338.5	125952.1						
	powder	kg	103500	0	79710	20525	22974						
	timber	kg	11367.1	0	34566	10994	35519						
<i>Gyrinops versteegii</i>	chips	kg	0	0	0	5000	5000	Sharp increase (Indonesia*)	NE	ID	1		W(100%)
Valerianaceae													
<i>Nardostachys grandiflora</i>	derivatives	kg	41557	103570	128434.6	278912	0	2 met: Endangered ; High volume (GT)	CR (↓)	NP	4	subject to RST Post CoP16 (NP)	W(100%)
	extract	kg	0	0	0	0	15						
Vitaceae													
<i>Cyphostemma elephantopus</i>	live		0	26	61	13	15	High volume	NE	MG	1	First reported in trade since last RST selection	W(100%)

Extended analysis

Taxon	Term	Unit	2011	2012	2013	2014	2015	Selection criteria	IUCN status	Exporters	Range States	Contextual information	% trade by source
<i>Cyphostemma montagnacii</i>	live		0	7	60	0	162	2 met: High volume; Sharp Increase	NE	MG	1	First reported in trade since last RST selection	W(100%)
Zamiaceae													
<i>Zamia erosa</i>	dried plants		0	0	0	155	0	High volume (GT)	VU (↓)	CU	4	First reported in trade since last RST selection	W(100%)
	leaves		0	0	0	1730	0						
	live		0	0	0	30	0						
<i>Zamia pygmaea</i>	dried plants		0	0	136	0	0	Endangered	CR (↓)	CU	1	First reported in trade since last RST selection	W(100%)
	leaves		0	0	21	0	0						
Zygophyllaceae													
<i>Bulnesia sarmientoi</i>	carvings	kg	0	357730	216000	0	0	High volume (GT)	NT (NE)	AR, PY, BO, BR	4	subject to RST Post CoP16 (AR,PY)	W(100%)
	chips	kg	0	0	0	21531	26000						
	derivatives	kg	0	0	4370	0	28						
	extract	kg	347220	20155	40256	77613.2	82656.4						
	live	kg	0	0	0	0	380						
	timber	kg	16618447	12655292	8052059	4772662	2738864						
		m3	129245.1	182.8	68.2	78.5	358						
	veneer	kg	0	0	0	0	1273						
<i>Guaiacum officinale</i>	timber	m3	0	0	3.2	0	0	Endangered	EN (NE)	DO	23		W(100%)
<i>Guaiacum sanctum</i>	timber	m3	175.1	106.3	112.5	73.8	52.5	Endangered	EN (NE)	MX	14		W(100%)
	veneer	m3	0	34.7	0	0	21						

Annex A: ISO codes and country and territory names

Code	Name	Code	Name
AF	Afghanistan	BN	Brunei Darussalam
AX	Åland Islands	BG	Bulgaria
AL	Albania	BF	Burkina Faso
DZ	Algeria	BI	Burundi
AS	American Samoa	KH	Cambodia
AD	Andorra	CM	Cameroon
AO	Angola	CA	Canada
AI	Anguilla	CV	Cape Verde
AQ	Antarctica	KY	Cayman Islands
AG	Antigua and Barbuda	CF	Central African Republic
AR	Argentina	TD	Chad
AM	Armenia	CL	Chile
AW	Aruba	CN	China
AU	Australia	CX	Christmas Island
AT	Austria	CC	Cocos (Keeling) Islands
AZ	Azerbaijan	CO	Colombia
BS	Bahamas	KM	Comoros
BH	Bahrain	CG	Congo
BD	Bangladesh	CK	Cook Islands
BB	Barbados	CR	Costa Rica
BY	Belarus	CI	Côte d'Ivoire
BE	Belgium	HR	Croatia
BZ	Belize	CU	Cuba
BJ	Benin	CW	Curaçao
BM	Bermuda	CY	Cyprus
BT	Bhutan	CZ	Czech Republic
BO	Bolivia, Plurinational State of	KP	Democratic People's Republic of Korea
BQ	Bonaire, Saint Eustatius and Saba	CD	Democratic Republic of the Congo
BA	Bosnia and Herzegovina	DK	Denmark
BW	Botswana	DJ	Djibouti
BV	Bouvet Island	DM	Dominica
BR	Brazil	DO	Dominican Republic
IO	British Indian Ocean Territory	EC	Ecuador

Code	Name
EG	Egypt
SV	El Salvador
GQ	Equatorial Guinea
ER	Eritrea
EE	Estonia
ET	Ethiopia
FK	Falkland Islands (Malvinas) ¹¹
FO	Faroe Islands
FJ	Fiji
FI	Finland
FR	France
GF	French Guiana
PF	French Polynesia
TF	French Southern Territories
GA	Gabon
GM	Gambia
GE	Georgia
DE	Germany
GH	Ghana
GI	Gibraltar
GR	Greece
GL	Greenland
GD	Grenada
GP	Guadeloupe
GU	Guam
GT	Guatemala
GG	Guernsey
GN	Guinea
GW	Guinea-Bissau
GY	Guyana
HT	Haiti
HM	Heard Island and McDonald Islands

Code	Name
VA	Holy See
HN	Honduras
HK	Hong Kong
HU	Hungary
IS	Iceland
IN	India
ID	Indonesia
IR	Iran, Islamic Republic of
IQ	Iraq
IE	Ireland
IM	Isle of Man
IL	Israel
IT	Italy
JM	Jamaica
JP	Japan
JE	Jersey
JO	Jordan
KZ	Kazakhstan
KE	Kenya
KI	Kiribati
KW	Kuwait
KG	Kyrgyzstan
LA	Lao People's Democratic Republic
LV	Latvia
LB	Lebanon
LS	Lesotho
LR	Liberia
LY	Libyan Arab Jamahiriya
LI	Liechtenstein
LT	Lithuania
LU	Luxembourg
MO	Macao

¹¹ A dispute exists between the Governments of Argentina and the United Kingdom of Great

Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Islas Malvinas).

Code	Name
MG	Madagascar
MW	Malawi
MY	Malaysia
MV	Maldives
ML	Mali
MT	Malta
MH	Marshall Islands
MQ	Martinique
MR	Mauritania
MU	Mauritius
YT	Mayotte
MX	Mexico
FM	Micronesia, Federated States of
MC	Monaco
MN	Mongolia
ME	Montenegro
MS	Montserrat
MA	Morocco
MZ	Mozambique
MM	Myanmar
NA	Namibia
NR	Nauru
NP	Nepal
NL	Netherlands
NC	New Caledonia
NZ	New Zealand
NI	Nicaragua
NE	Niger
NG	Nigeria
NU	Niue
NF	Norfolk Island
MP	Northern Mariana Islands
NO	Norway
OM	Oman

Code	Name
PK	Pakistan
PW	Palau
PA	Panama
PG	Papua New Guinea
PY	Paraguay
PE	Peru
PH	Philippines
PN	Pitcairn
PL	Poland
PT	Portugal
PR	Puerto Rico
QA	Qatar
KR	Republic of Korea
MD	Republic of Moldova
RE	Réunion
RO	Romania
RU	Russian Federation
RW	Rwanda
BL	Saint Barthelemy
SH	Saint Helena, Ascension and Tristan da Cunha
KN	Saint Kitts and Nevis
LC	Saint Lucia
MF	Saint Martin
PM	Saint Pierre and Miquelon
VC	Saint Vincent and the Grenadines
WS	Samoa
SM	San Marino
ST	Sao Tome and Principe
SA	Saudi Arabia
SN	Senegal
RS	Serbia
SC	Seychelles
SL	Sierra Leone
SG	Singapore

Code	Name
SX	Sint Maarten
SK	Slovakia
SI	Slovenia
SB	Solomon Islands
SO	Somalia
ZA	South Africa
GS	South Georgia and the South Sandwich Islands
SS	South Sudan
ES	Spain
LK	Sri Lanka
SD	Sudan
SR	Suriname
SJ	Svalbard and Jan Mayen
SZ	Swaziland
SE	Sweden
CH	Switzerland
SY	Syrian Arab Republic
TW	Taiwan, Province of China
TJ	Tajikistan
TH	Thailand
MK	The former Yugoslav Republic of Macedonia
TL	Timor-Leste
TG	Togo
TK	Tokelau
TO	Tonga
TT	Trinidad and Tobago
TN	Tunisia
TR	Turkey
TM	Turkmenistan
TC	Turks and Caicos Islands
TV	Tuvalu
UG	Uganda
UA	Ukraine
AE	United Arab Emirates

Code	Name
GB	United Kingdom of Great Britain and Northern Ireland
TZ	United Republic of Tanzania
US	United States of America
UM	United States Minor Outlying Islands
UY	Uruguay
UZ	Uzbekistan
VU	Vanuatu
VE	Venezuela, Bolivarian Republic of
VN	Viet Nam
VG	Virgin Islands, British
VI	Virgin Islands, United States
WF	Wallis and Futuna Islands
EH	Western Sahara
YE	Yemen
ZM	Zambia
ZW	Zimbabwe