

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



Twenty-fifth meeting of the Plants Committee  
Geneva (Switzerland), 17 and 20-23 July 2020

ROSEWOOD TREE SPECIES [LEGUMINOSAE (FABACEAE)]

1. This document has been submitted by the Secretariat in relation to agenda item 26.1.<sup>1</sup>
2. The annexes to the present document represent the responses to Notification No. 2020/023 on the Questionnaire on rosewood tree species, as submitted to the Secretariat, as follows:
  - Annex 1: Australia
  - Annex 2: Bhutan
  - Annex 3: Cambodia
  - Annex 4: China
  - Annex 5: Denmark
  - Annex 6: El Salvador
  - Annex 7: Germany
  - Annex 8: Mexico
  - Annex 9: Monaco<sup>2</sup>
  - Annex 10: New Zealand
  - Annex 11: Singapore
  - Annex 12: Slovakia
  - Annex 13: Switzerland
  - Annex 14: Thailand
  - Annex 15: United Kingdom of Great Britain and Northern Ireland
  - Annex 16: United States of America
3. Only one response from a non-Party was received, which is included in Annex 17 to the present document.

<sup>1</sup> *The geographical designations employed in this document do not imply the expression of any opinion whatsoever on the part of the CITES Secretariat (or the United Nations Environment Programme) concerning the legal status of any country, territory, or area, or concerning the delimitation of its frontiers or boundaries. The responsibility for the contents of the document rests exclusively with its author.*

<sup>2</sup> *This response was submitted after document PC25 Doc. 26.1 had been processed for publications, and therefore the information contained in it is not summarized in it. Nonetheless, it is advisable that the information contained in it is taken into account by the Plants Committee in the framework of implementing Decisions 18.234 and 18.236.*

**Australia****Questionnaire on Rosewood tree species [Leguminosae (Fabaceae)]**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	AUSTRALIA		
<b>b) Contact:</b>	Name	Rhedyn Ollerenshaw	
	Phone	+61 2 6274 1353	
	Email	rhedyn.ollerenshaw@awe.gov.au	

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name "rosewood"<sup>3</sup>, and for each of these, specify the type of specimens reported in **trade, as well as their listing status in the Appendices (if applicable)**.

Please see below for a summary of specimens of 'rosewood' imported to or exported or re-exported from Australia.

Note: information also covers permits and pre-Convention certificates issued between CoP17 and CoP18; some specimens would now not require permits. Some specimens are pre-Convention.

<b>Tree species commercially known as "Rosewood" Specify the scientific name</b>	<b>Specimens reported in trade as "rosewood" E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
<i>Dalbergia</i> spp.	Musical instruments (guitars, ukulele, violins)	II
	Carved furniture	II
<i>Dalbergia baronii</i>	Guitars	II
<i>Dalbergia cochinchinensis</i>	Furniture (side cabinets)	II
<i>Dalbergia latifolia</i>	Musical instruments (guitars, bass guitars, electric guitars, ukulele)	II

<sup>3</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

	Musical instrument parts	II
	Chess boards and pieces	II
	Small household items (trays, paperweights, nutcrackers, photo frames and jars)	II
<i>Dalbergia maritima</i>	Guitar and guitar parts	II
<i>Dalbergia melanoxylon</i>	Bagpipes	I
	Flute and flute parts	I
<i>Dalbergia nigra</i>	Guitars and parts	I
	Furniture (armchairs, cabinets, desks, chairs, tables, sideboards, chests)	I
	Navigational instruments	I
<i>Dalbergia odorifera</i>	Furniture (table, armchairs, cabinets, stools)	II
<i>Dalbergia retusa</i>	Guitars	II
<i>Dalbergia sissoo</i>	Musical instruments (guitars, harps, flutes)	II
	Wooden handicrafts	II
	Furniture (desk, table)	II
	Small household items (letter cutter, photo frame, puzzle box, spectacle stand, cremation urns)	II
<i>Dalbergia spruceana</i>	Guitar	II
<i>Dalbergia stevensonii</i>	Musical instruments (xylophone, marimba, recorder, percussion instruments)	II
	Sawn wood	II
<i>Guibourtia</i> spp.	Guitar fretboard	II
<i>Guibourtia demeusei</i>	Drum shell plies	II

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

<b>“Rosewood” tree species</b>	<b>Reference or hyperlink</b> <i>If possible, provide any reference material as an attachment to this questionnaire</i>	<b>Short description of the references provided</b>
No Australian information known.		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

<b>Rosewood tree species</b>	<b>Effects of international trade</b> <i>Please tick one box</i>	<b>Comments</b>	<b>References</b> <i>If applicable and available.</i>
No Australian information known.			

Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

N/A. Australia is supportive of the workshop and study but is unlikely to be in a position to contribute external resources or participate in the workshop.
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**Bhutan****Questionnaire on Rosewood tree species [Leguminosae (Fabaceae)]**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	Royal Government of Bhutan		
<b>b) Contact:</b>	Name	Ngawang Gyeltshen	
	Phone	00975 2 325042	
	Email	ngawanggyeltshen@moaf.gov.bt	
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>4</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia assamica</i>	No export and import reported	II
2. <i>Dalbergia pinnata</i>	No export and import reported	II
3. <i>Dalbergia rimosa</i>	No export and import reported	II
4. <i>Dalbergia sericea</i>	No export and import reported	II
5. <i>Dalbergia sisoo</i>	No export and import reported	II
...add rows as needed		

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

<b>“Rosewood” tree species</b>	<b>Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i></b>	<b>Short description of the references provided</b>
1. <i>Dalbergia sisoo</i> progeny trial in Nepal	<a href="http://www.fao.org/3/ae910e/ae910e06.htm">http://www.fao.org/3/ae910e/ae910e06.htm</a>	Understanding the facts of <i>Dalbergia sisoo</i> dieback and species

<sup>4</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

		breeding initiative (progeny trial in Nepal)
2. Review if selected <i>Dalbergia</i> species and <i>Guibourtia demeusei</i> by UNEP-WCMC, 2017	<a href="https://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetailDoc&amp;id=35078&amp;no=8">https://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetailDoc&amp;id=35078&amp;no=8</a>	Technical report on <i>Dalbergia</i> and one additional species, <i>Guibourtia demeusei</i> (CITES Cop 17)
3. <i>Dalbergia sisoo</i> & <i>Pterocarpus santalinus</i> species raised in nursery	<a href="http://www.southernseedlings.com/products/timber-plants/timber-saplings/">http://www.southernseedlings.com/products/timber-plants/timber-saplings/</a>	Southern seedling nursery supply range of species including the timber species <i>Dalbergia</i> and <i>Pterocarpus</i>
4. <i>Dalbergia sisoo</i> reported as global invasive species	<a href="http://issg.org/database/species/ecology.asp?si=1186&amp;fr=1&amp;sts=&amp;lang=EN">http://issg.org/database/species/ecology.asp?si=1186&amp;fr=1&amp;sts=&amp;lang=EN</a>	Information on Ecology, Distribution and Management
5. ...add rows as needed.		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade <i>Please tick one box</i>	Comments	References <i>If applicable and available.</i>
1. <i>Dalbergia assamica</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	No commercial harvesting of this species reported till date and no effects of international trade	
2. <i>Dalbergia pinnata</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	No commercial harvesting of this species reported till date and no effects of international trade	Personal communication with the Biodiversity survey team (NBC, 2018)
3. <i>Dalbergia rimosa</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	Shrubby <i>Dalbergia</i> not used as timber species and no effects of international trade	
4. <i>Dalbergia sericea</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	No commercial harvesting of this species reported till date and no effects of international trade	
5. <i>Dalbergia sisoo</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	Some of the plantations were lost to monsoon flash floods and no effects of international trade	
...add rows as needed.			

## Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

*Dalbergia sisoo* is listed under special class timber in the Forest and Nature Conservation Rule 2020. The only authorized corporate agency allowed for commercial harvesting of the timber species is Natural Resources Development Corporation Limited (NRDCL) and according to them, they have harvested around 3000 Cubic Feet of timber from the plantation in the year 2018 and 2019 and sold through auction yard to the national consumers for domestic use.

## **Annex 3**

### **Cambodia**

#### **Questionnaire on Rosewood tree species [Leguminosae (Fabaceae)]**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	CITES Management Authority of Cambodia (MAFF)		
<b>b) Contact:</b>	Name	CHHANG Phourin	
	Phone	+855 99 747 666	
	Email	<a href="mailto:c_phpurin@yahoo.com">c_phpurin@yahoo.com</a>	
	Other		

#### Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>5</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia cochinchinensis</i> Pierre	Sawn wood	I
2. <i>Pterocarpus macrocarpus</i> Kurz	Sawn wood	
3.		
4.		

<sup>5</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

5.		
...add rows as needed		

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

“Rosewood” tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
1.		
2.		
3.		
4.		
5.		
...add rows as needed.		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade <i>Please tick one box</i>	Comments	References <i>If applicable and available.</i>
1. <i>Dalbergia cochinchinensis</i> Pierre	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
2. <i>Pterocarpus macrocarpus</i> Kurz	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
3.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
4.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
5.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		

<i>...add rows as needed.</i>			
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Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

N/A

**China****Questionnaire on Rosewood tree species [Leguminosae (Fabaceae)]**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	China		
<b>b) Contact:</b>	Name	Yuan Liangchen (MA)	Yin Yafang (SA)
	Phone	86-10-84238894	86-10-62889468
	Email	<a href="mailto:citesyuan@126.com">citesyuan@126.com</a>	<a href="mailto:yafang@caf.ac.cn">yafang@caf.ac.cn</a>
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>6</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Pterocarpus erinaceus</i>	logs, sawn wood	Appendix II
2. <i>Pterocarpus macrocarpus</i>	logs, sawn wood	non-listed
3. <i>Dalbergia melanoxylon</i>	logs, sawn wood	Appendix II
4. <i>Dalbergia retusa</i>	logs, sawn wood	Appendix II
5. <i>Dalbergia cochinchinensis</i>	logs, sawn wood	Appendix II
6. <i>Dalbergia latifolia</i>	sawn wood, transformed wood, veneer sheets, musical instrument accessories	Appendix II
7. <i>Dalbergia bariensis</i>	logs, sawn wood	Appendix II
8. <i>Dalbergia tucurensis</i>	logs, sawn wood	Appendix II
9. <i>Dalbergia oliveri</i>	logs, sawn wood	Appendix II
10. <i>Dalbergia stevensonii</i>	logs, sawn wood	Appendix II
11. <i>Guibourtia tessmannii</i>	logs, sawn wood	Appendix II
12. <i>Guibourtia pellegriniana</i>	logs, sawn wood	Appendix II
13. <i>Guibourtia demeusei</i>	logs, sawn wood	Appendix II

<sup>6</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

14. <i>Guibourtia ehie</i>	<i>logs, sawn wood</i>	<i>non-listed</i>
15. <i>Guibourtia conjugate</i>	<i>logs, sawn wood</i>	<i>non-listed</i>
16. <i>Machaerium scleroxylon</i>	<i>logs, sawn wood</i>	<i>non-listed</i>
17. <i>Swartzia benthamiana</i>	<i>logs, sawn wood</i>	<i>non-listed</i>
...add rows as needed		

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

“Rosewood” tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
1. <i>Pterocarpus erinaceus</i>	<a href="https://www.iucnredlist.org/species/62027797/62027800">https://www.iucnredlist.org/species/62027797/62027800</a>	Population continuing decline; Endangered; Use and trade: Construction or structural materials(national and international),Handicrafts, Jewelry, etc.(national and international), Other household goods(national)
2. <i>Pterocarpus macrocarpus</i>	<a href="https://www.iucnredlist.org/species/32308/2813424">https://www.iucnredlist.org/species/32308/2813424</a>	Population continuing decline; Endangered; Use and trade: Construction or structural materials (national and international), Other household goods (national and international)
3. <i>Dalbergia melanoxylon</i>	<a href="https://www.iucnredlist.org/species/32504/9710439">https://www.iucnredlist.org/species/32504/9710439</a>	Lower Risk/near threatened
4. <i>Dalbergia retusa</i>	<a href="https://www.iucnredlist.org/species/32957/67799410">https://www.iucnredlist.org/species/32957/67799410</a>	Population continuing decline; Critically Endangered; Use and trade: Construction or structural materials (national and international), Handicrafts, Jewelry, etc. (national and international), Other household goods (national and international)
5. <i>Dalbergia cochinchinensis</i>	<a href="https://www.iucnredlist.org/species/32625/9719096">https://www.iucnredlist.org/species/32625/9719096</a>	Vulnerable
6. <i>Dalbergia latifolia</i>	<a href="https://www.iucnredlist.org/species/32098/9675296">https://www.iucnredlist.org/species/32098/9675296</a>	Vulnerable
7. <i>Dalbergia baroniensis</i>	<a href="https://www.iucnredlist.org/species/33247/9771172">https://www.iucnredlist.org/species/33247/9771172</a>	Endangered
8. <i>Dalbergia tucurensis</i>	<a href="https://www.iucnredlist.org/species/62022637/62022639">https://www.iucnredlist.org/species/62022637/62022639</a>	Population continuing decline; Endangered; Use and trade: Construction or structural materials, Handicrafts, Jewelry, etc.
9. <i>Dalbergia oliveri</i>	<a href="https://www.iucnredlist.org/species/32306/9693932">https://www.iucnredlist.org/species/32306/9693932</a>	Endangered

10. <i>Dalbergia stevensonii</i>	Dalbergia stevensonii Standl. in GBIF Secretariat (2019). GBIF Backbone Taxonomy. Checklist dataset <a href="https://doi.org/10.15468/39omei">https://doi.org/10.15468/39omei</a> accessed via GBIF.org on 2020-03-31.	Use and trade: Construction or structure materials, Handicrafts.
11. <i>Guibourtia tessmannii</i>	<a href="https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf">https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf</a>	Low population density; Construction or structural materials(national and international), medicinal use (national)
12. <i>Guibourtia pellegriniana</i>	<a href="https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf">https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf</a>	Low population density; Construction or structural materials(national and international), medicinal use(national)
13. <i>Guibourtia demeusei</i>	<a href="https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf">https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf</a>	Low population density; Construction or structural materials(national and international), medicinal use(national)
14. <i>Guibourtia ehie</i>	<a href="https://www.iucnredlist.org/species/33053/20077023">https://www.iucnredlist.org/species/33053/20077023</a>	Population continuing decline; Least Concern; Use and trade: Medicine - human & veterinary(local), Construction or structural materials(national and international), Flues(national)
15. <i>Guibourtia conjugata</i>	Guibourtia conjugata (Bolle) J.Léonard in GBIF Secretariat (2019). GBIF Backbone Taxonomy. Checklist dataset <a href="https://doi.org/10.15468/39omei">https://doi.org/10.15468/39omei</a> accessed via GBIF.org on 2020-03-31.	
16. <i>Machaerium scleroxylon</i>	<a href="https://www.iucnredlist.org/species/19892527/20102957">https://www.iucnredlist.org/species/19892527/20102957</a>	Population reminding stable; Least Concern; Use and trade: Construction or structural materials(national and international), Fuels(Local)
17. <i>Swartzia benthamiana</i>	<a href="https://www.iucnredlist.org/species/62028005/145661594">https://www.iucnredlist.org/species/62028005/145661594</a>	Population reminding stable; Least Concern; Use and trade: Construction or structural materials(national and international), Handicrafts, jewelry, etc.(national and international), Other household goods(national and international)
...add rows as needed.		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade	Comments	References <i>If applicable and available.</i>
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	<i>Please tick one box</i>		
1. <i>Pterocarpus erinaceus</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Over the last decades the demand for African rosewoods on the international timber market has significantly increased putting <i>P. erinaceus</i> at risk from unsustainable and illegal logging in parts of its range. Consequently, the species is presently experiencing a high rate of population decline.	Barstow, M. 2018. <i>Pterocarpus erinaceus</i> . The IUCN Red List of Threatened Species 2018: e.T62027797A62027800.
2. <i>Pterocarpus macrocarpus</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	This species is experiencing a high rate of population decline due to over harvest.	Barstow, M. 2019. <i>Pterocarpus macrocarpus</i> . The IUCN Red List of Threatened Species 2019: e.T32308A2813424.
3. <i>Dalbergia melanoxylon</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Although IUCN listed it as "low risk/near threatened" in 1998, the increasing demand for this species caused a high rate of population decline. And the assessment information for this species is urgently updated.	World Conservation Monitoring Centre. 1998. <i>Dalbergia melanoxylon</i> . The IUCN Red List of Threatened Species 1998: e.T32504A9710439.
4. <i>Dalbergia retusa</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	This species is commonly traded, and it was listed as "Critically endangered" in IUCN.	Rakotonirina, N. 2019. <i>Dalbergia pervillei</i> . The IUCN Red List of Threatened Species 2019: e.T38277A67799253.
5. <i>Dalbergia cochinchinensis</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	It was suffering from over exploiting, and the status of this species is far beyond "Vulnerable" in IUCN.	Asian Regional Workshop (Conservation & Sustainable Management of Trees, Viet Nam, August 1996). 1998. <i>Dalbergia cochinchinensis</i> . The IUCN Red List of Threatened Species 1998: e.T32625A9719096.
6. <i>Dalbergia latifolia</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	This species is widely used for furniture and musical instruments manufacture. The commercial demand is continued to increase, and the population is decreasing.	Asian Regional Workshop (Conservation & Sustainable Management of Trees, Viet Nam, August 1996). 1998. <i>Dalbergia latifolia</i> . The IUCN Red List of Threatened Species 1998: e.T32098A9675296.
7. <i>Dalbergia bariensis</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	The species is listed as "Engendered" in IUCN in 1998, and the commercial trade of this species is decreasing.	Nghia, N.H. 1998. <i>Dalbergia bariensis</i> . The IUCN Red List of Threatened Species 1998: e.T33247A9771172.
8. <i>Dalbergia tucurensis</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium	The demand for this species is increasing, and its population is experiencing a	<a href="https://www.iucnredlist.org/species/pf/62027864">https://www.iucnredlist.org/species/pf/62027864</a>

	<input type="checkbox"/> Low <input type="checkbox"/> Unknown	high rate of decline due to over-exploitation.	
9. <i>Dalbergia oliveri</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	This species is popular for furniture manufacture, and its population is suffering from declining.	Nghia, N.H. 1998. <i>Dalbergia oliveri</i> . The IUCN Red List of Threatened Species 1998: e.T32306A9693932.
10. <i>Dalbergia stevensoni i</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	It is a commonly traded species with declining population, but not listed in IUCN.	
11. <i>Guibourtia tessmannii</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	It was listed in CITES App. II in COP17 together with <i>G. tessmanni</i> and <i>G. pellegriniana</i> , and they are commonly used for furniture manufacture. The assessment of population status is needed to be updated.	<a href="https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf">https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf</a>
12. <i>Guibourtia pellegriniana</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Same as above	<a href="https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf">https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf</a>
13. <i>Guibourtia demeusei</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Same as above	<a href="https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf">https://cites.org/sites/default/files/eng/cop/17/prop/060216/E-CoP17-Prop-56.pdf</a>
14. <i>Guibourtia ehie</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	It is a closely related species of the three CITES-listed <i>Guibourtia</i> species, IUCN listed it as "Least concerned" in 2012, but the assessment information is suggested to be updated.	Contu, S. 2012. <i>Guibourtia ehie</i> . The IUCN Red List of Threatened Species 2012: e.T33053A20077023.
15. <i>Guibourtia conjugate</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	This species is commonly traded as the replacement of the CITES-listed <i>Guibourtia</i> species, and the gap of population status is suggested to be filled.	
16. <i>Machaerium scleroxylo n</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	It is commonly traded as the replacement of <i>Dalbergia</i> species, and the assessment information is suggested to be updated.	Groom, A. 2012. <i>Machaerium scleroxylon</i> . The IUCN Red List of Threatened Species 2012: e.T19892527A20102957.
17. <i>Swartzia benthamiana</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	It is commonly traded as the replacement of <i>Dalbergia</i> species, and the assessment	Botanic Gardens Conservation International (BGCI) & IUCN SSC Global Tree Specialist

		information is suggested to be updated.	Group. 2019. <i>Swartzia benthamiana</i> . The IUCN Red List of Threatened Species 2019: e.T62028005A145661594.
<i>...add rows as needed.</i>			

Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

A number of species are called “rosewood” in the trade, which makes the implementation of CITES more complicated and difficult. Relevant references are suggested to be provided and workshops are suggested to be organized, with the nomenclature specialist, to clarify and confirm the list of species that are referred to as the connotation and scope of “rosewood” to avoid misuse of this term and overburden during implementation (Mabberley, 2009). The more scientific and practical strategy could be to list the individual species according to botanical nomenclature, but not to adopt a common name (i.e rosewood) in the CITES documents.

It is also suggested to use the scientific name of species more broadly in CITES and update the population status of species periodically working with IUCN (Zeng et al. 2019).

- 1) Zeng, Y., Ping, X. and Jiang, Z. 2019. Inertia in CITES nomenclature. Conservation Biology, 33: 991-992.
- 2) Mabberley D, Mabberley's plant-book: a portable dictionary of plants, their classification and uses, Third edition, Cambridge: Cambridge University Press, 2009.

**Denmark**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	Denmark		
	Name	Maj F. Munk	
<b>b) Contact:</b>	Phone	+45 72 54 24 28	
	Email	mfm@mst.dk	
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>7</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia nigra</i>	Worked specimens	App I
2. <i>Dalbergia abrahamii</i>	Worked specimens	App II
3. <i>Dalbergia baronii</i>	Worked specimens	App II
4. <i>Dalbergia decipular</i>	Worked specimens	App II
5. <i>Dalbergia latifolia</i>	Worked specimens	App II
6. <i>Dalbergia maritima</i>	Worked specimens	App II
7. <i>Dalbergia pinnata</i>	Worked specimens	App II
8. <i>Dalbergia retusa</i>	Worked specimens	App II
9. <i>Dalbergia sissoo</i>	Worked specimens	App II
10. <i>Dalbergia tevensonii</i>	Worked specimens	App II
11. <i>Dalbergia tucurensis</i>	Worked specimens	App II
12. <i>Dalbergia</i> spp.	Worked specimens	App II

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

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<sup>7</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

<b>“Rosewood” tree species</b>	<b>Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i></b>	<b>Short description of the references provided</b>
1. Dalbergia nigra	Trade in worked specimens (mainly furniture)	App I, all O/W
2. Dalbergia species (not nigra)	Trade in worked specimens	App II, either W or O/W
3.		
4.		
5.		
<i>...add rows as needed.</i>		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

<b>Rosewood tree species</b>	<b>Effects of international trade <i>Please tick one box</i></b>	<b>Comments</b>	<b>References <i>If applicable and available.</i></b>
1. Dalbergia nigra	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	Old furnitures being traded	
2. Dalbergia species (not nigra)	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	Mainly O/W or from plantations	
3.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
4.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
5.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
<i>...add rows as needed.</i>			

Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

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## Annex 6

### El Salvador

1. Sírvase completar y remitir este cuestionario a la Secretaría a más tardar el 22 de abril de 2020 a [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Información de contacto

<b>a) Parte, organización o institución:</b>	República de El Salvador	
<b>b) Contacto:</b>	Nombre	Andrea María Chinchilla Magaña Vladimir Baiza
	Teléfono	+503 2210-1828
	Correo electrónico	<a href="mailto:andrea.chinchilla@mag.gob.sv">andrea.chinchilla@mag.gob.sv</a> <a href="mailto:vladimir.baiza@gmail.com">vladimir.baiza@gmail.com</a>
	Otro	

Decisión 18.234, párrafo a) i)

3. Sírvase proporcionar una lista de especies comercializadas (exportadas, re-exportadas o importadas) por su país bajo el nombre comercial común “palo de rosa”<sup>8</sup>, y para cada una de estas, especifique el tipo de especímenes declarados en el comercio, así como su estado de inclusión en los Apéndices (si se aplica).

<b>Especies arbóreas comercialmente conocidas como “palos de rosa” Especifique el nombre científico</b>	<b>Especímenes declarados en el comercio como “palos de rosa” P. ej.: trozas, madera aserrada, láminas de chapa de madera, madera contrachapada u otras (especifique)</b>	<b>Inclusión en los Apéndices de la CITES Especifique si se trata del: Apéndice I, Apéndice II, Apéndice III, o no incluida</b>
1. <i>Dalbergia retusa</i>	Trozas	II
2. <i>Dalbergia calderonii</i>	Trozas	II
3. <i>Myroxylon balsamum</i>	Resina	N/A
4.		
5.		
<i>...en caso necesario, añada filas</i>		

Decisión 18.234, párrafo a) ii)

4. Para las especies de “palo de rosa” precitadas, sírvase proporcionar cualquier información o referencia relevante para cualquiera de lo siguiente: biología; población y estado de conservación; gestión; utilización; y comercio (ya sea nacional o internacional).

<b>Especies arbóreas “palo de rosa”</b>	<b>Referencia o hiperenlace Si es posible, proporcione cualquier material de referencia como un anexo a este cuestionario</b>	<b>Breve descripción de las referencias proporcionadas</b>
1. <i>Dalbergia retusa</i>	<a href="https://www.diariooficial.gob.sv/diarios/do-2015/10-octubre/05-10-2015.pdf">https://www.diariooficial.gob.sv/diarios/do-2015/10-octubre/05-10-2015.pdf</a>	Página 45 del Diario Oficial, contiene el listado de especies nacionales de fauna y flora amenazadas y en peligro.
2. <i>Dalbergia calderonii</i>		
3. <i>Myroxylon balsamum</i> var. <i>pereirae</i>		

<sup>8</sup> A modo de referencia, véanse los taxa incluidos en los Apéndices bajo la familia LEGUMINOSAE (Fabaceae), así como los géneros mencionados en la Decisión 18.234, párrafo a) i), es decir: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* y *Swartzia*.

(Obedece a una posible confusión de algunos exportadores)		
	<a href="https://www.jstor.org/stable/pdf/24368335.pdf?seq=1">https://www.jstor.org/stable/pdf/24368335.pdf?seq=1</a> <a href="http://portal.cybertaxonomy.org/salvador/listado">http://portal.cybertaxonomy.org/salvador/listado</a>	Nova Silva Cuscatlanica: Árboles nativos e introducidos de El Salvador.
	<a href="https://es.scribd.com/document/336461352/Arboles-de-El-Salvador-Linares-CEIBA">https://es.scribd.com/document/336461352/Arboles-de-El-Salvador-Linares-CEIBA</a>	Listado comentado de Árboles nativos y cultivador de la República de El Salvador

Decisión 18.234, párrafo a) iii)

5. Sírvase proporcionar cualquier información pertinente para los efectos del comercio internacional sobre las poblaciones silvestres de las especies de palo de rosa mencionadas en los párrafos 3 y 4 anteriores.

Especies arbóreas de palo de rosa	Efectos del comercio internacional Marque una casilla	Observaciones	Referencias Si se aplica y están disponibles.
1. <i>Dalbergia retusa</i>	<input checked="" type="checkbox"/> Altos <input type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	- Es de mayor movimiento comercial, y la de aparente mayor abundancia en El Salvador.	Informes del comercio entregados a la CITES.
2. <i>Dalbergia calderonii</i>	<input checked="" type="checkbox"/> Altos <input type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	- Los volúmenes comerciales solicitados se incrementan. - Su localización en zonas específicas focalizadas y vulnerables, la vuelve susceptible de alto riesgo de explotación y extinción local.	Informes del comercio entregados a la CITES.
3. Otras <i>Dalbergia</i> spp.	<input checked="" type="checkbox"/> Altos <input type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	- Su comercio oculto y subyacente en lo declarado como <i>Dalbergia retusa</i> , hacen peligrar las poblaciones naturales. - Hay conciencia de su utilización comercial como fuente de artesanías.	Informes del comercio entregados a la CITES.  Documentos varios para remisión posterior.
4. <i>Myroxylon balsamum</i> var. <i>pereirae</i>	<input checked="" type="checkbox"/> Altos <input type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	- Se requiere un estudio de sus volúmenes utilizados para elaboración de perfumería fina, a partir de sus resinas. - Su madera es cada vez más solicitada por su fluorescencia, durabilidad y vistosidad. - Solo se produce y explota en El Salvador, desde la Época Colonial, y como mediada protecciónista la Corona Española lo declaraba como Bálsamo del Perú.	Documentos varios para remisión posterior.

		- Posee un fuerte arraigo cultural en comunidades indígenas locales.	
<i>...en caso necesario, añada filas</i>			

#### Decisión 18.235

6. Sírvase proporcionar cualquier información complementaria relevante para el desarrollo del estudio sobre las “especies arbóreas de palo de rosa” de conformidad con el párrafo a) de la Decisión 18.234, así como para la preparación del taller internacional a que se hace alusión en el párrafo d) de la Decisión 18.234 (inclusive aspectos sobre la obtención de recursos externos).

18. 234.

a) i) y iv) Se deben incluir algunas especies del género *Lonchocarpum* y *Acosmium*, que por similitud son comercializados en El Salvador en volúmenes menores y no se descarta su ingreso al mercado internacional por diferentes vías. Es una inquietud válida para los países vecinos de Centroamérica. En esta ocasión es una necesidad que amerita financiamiento externo para definir un estudio profundo.

18. 235.

Se puede considerar un taller específico para la Región Centroamericana, lo cual contribuiría a fortalecer esfuerzos, coordinar con el proyecto Trinacional orientado al género *Dalbergia* del programa CITES de las Especies Arbóreas (El Salvador, Guatemala, Nicaragua).

**Germany**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	CITES Scientific Authority of Germany at the Federal Agency of Nature Conservation (BfN)		
<b>b) Contact:</b>	Name	Susanne Kandert	
	Phone	+ 49 228 8491 1458	
	Email	susanne.kandert@bfn.de	
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
<i>Albizia odoratissima</i>	Veneer	Non-listed
<i>Anadenanthera colubrina</i>	Sawn wood	Non-listed
<i>Aniba roseaeodora</i>	Extract, Oil	Appendix II
<i>Dalbergia bariensis</i>	Wood products	Appendix II
<i>Dalbergia baronii</i>	Sawn wood, veneer, wood products	Appendix II
<i>Dalbergia cearensis</i>	Sawn wood, veneer, wood products	Appendix II
<i>Dalbergia cochinchinensis</i>	Sawn wood, wood products	Appendix II
<i>Dalbergia decipularis</i>	Sawn wood, wood products, furniture, derivatives	Appendix II
<i>Dalbergia frutascens</i>	Sawn wood	Appendix II
<i>Dalbergia granadillo</i>	Wood products, Specimens for scientific use	Appendix II
<i>Dalbergia greveana</i>	Wood products	Appendix II
<i>Dalbergia latifolia</i>	Sawn wood, veneer, wood products, derivatives	Appendix II
<i>Dalbergia madagascariensis</i>	Wood products	Appendix II
<i>Dalbergia melanoxylon</i>	Logs, sawn wood, wood products, derviavtives	Appendix II
<i>Dalbergia nigra</i>	Sawn wood, veneer, wood products, derivatives, “transformed wood”	Appendix II
<i>Dalbergia odorifera</i>	Wood products	Appendix II
<i>Dalbergia oliveri</i>	Sawn wood	Appendix II
<i>Dalbergia palo-escrito</i>	Wood products	Appendix II

Dalbergia pinnata	Wood products	Appendix II
Dalbergia retusa	Sawn wood, veneer, wood product, derivatives	Appendix II
Dalbergia sissoo	Furniture, wood products, derivatives	Appendix II
Dalbergia spp.	Sawn wood, veneer, wood product	Appendix II
Dalbergia spruceana	Wood product	Appendix II
Dalbergia stevensonii	Sawn wood, wood products, "transformed wood", derivatives	Appendix II
Dalbergia tucurensis	Logs, sawn wood, veneer, wood products	Appendix II
Guibourtia demeusei	Logs, sawn wood, veneer, wood product	Appendix II
Guibourtia spp.	Sawn wood, veneer, wood product	Appendix II
Jacaranda spp.	Floorings	Non-listed
Machaerium scleroxylon	Sawn wood	Non-listed
Terminalia alta	Veneer	Non-listed
Pterocarpus erinaceus	Wood product	Appendix II
Pterocarpus santalinus	Powder, medicine product	Appendix II
Pterocarpus macrocarpus	Furniture	Non-listed

In German the term "rosewood" can be translated either directly into "Rosenholz" or into "Palisander". The list above includes species traded as "Rosewood", "Rosenholz" and "Palisander". Data regarding CITES listed tree species are received from the German CITES Management Authority at the BfN. Data regarding non-CITES listed species are received from the Federal Office for Agriculture and Food which is the competent agency for the enforcement of the European Timber Regulation. The list is not exhaustive. "Transformed wood" refers to HS position 4409.

Decision 18.234, paragraph a) ii)

4. For the "rosewood" species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

"Rosewood" tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
Pterocarpus erinaceus	<a href="https://doi.org/10.1016/j.biocon.2019.05.044">https://doi.org/10.1016/j.biocon.2019.05.044</a> <a href="https://www.sciencedirect.com/science/article/abs/pii/S000632071930117X">https://www.sciencedirect.com/science/article/abs/pii/S000632071930117X</a>	Impact the of felling/export ban and CITES designation on <i>P. erinaceus</i> in Ghana
Dalbergia cochinchinensis	Environmental Investigation Agency (n.d.) Vietnam in violation. Action required on fake CITES permits for rosewood trade	Import of Siamese Rosewood into Vietnam from

		Cambodia with fake permits
Dalbergia spp., Guibourtia demeusei	UNEP-WCMC. 2017. Review of selected <i>Dalbergia</i> species and <i>Guibourtia demeusei</i> . UNEP-WCMC, Cambridge.	
Dalbergia melanoxylon	Cunningham, Anthony B. (2016): Trade study of selected east African timber production species. Handelsstudie zu ostafrikanischen Holzarten (FKZ 351453 2003). Bonn, Germany: Federal Agency for Nature Conservation (BfN-Skripten, 445)	
Dalbergia melanoxylon	Chang, You; Peng, Ren (2015): Timber flow study: export/ import discrepancy analysis China vs. Mozambique, Cameroon, Uganda and DRC. London (IIED Issue Paper)	
Dalbergia melanoxylon	Ekman, S.-MS.; Wenbin, H.; Langa, E.: Chinese trade and investment in the Mozambican timber industry: A case study from Cabo Delgado Province. CIFOR. Bogor, Indonesia (Working Paper, 122),	
Dalbergia melanoxylon	Kiondo, F.; Feyissa, T.; Ndakidemi, P. A.; Seth, M.; Lema, K. (2014): Micropropagation of <i>Dalbergia melanoxylon</i> Guill. & Perr.: A Threatened Tree Species. In: <i>American Journal of Research Communication</i> 2 (12), S. 43–52,	
Dalbergia melanoxylon	Lemmens, R.H.M.J. (2008): <i>Dalbergia melanoxylon</i> Guill. & Perr. [Internet] Record from PROTA4U.. Hg. v. D. Louppe, A. A. Oteng-Amoako und M. Brink. Plant Resources of Tropical Africa / Ressources végétales de l'Afrique tropicale (PROTA). Wageningen, Netherlands. Available online: <a href="http://www.prota4u.org/search.asp">http://www.prota4u.org/search.asp</a>	
Dalbergia melanoxylon	Malimbwi, R. E.; Luoga, E. J.; Hofstad, O.; Mugasha, A. G.; Valen, J. S. (2000): PREVALENCE AND STANDING VOLUME OF DALBERGIA MELANOXYLON IN COASTAL AND INLAND SITES OF SOUTHERN TANZANIA. In: <i>Journal of Tropical Forest Science</i> 12 (2), S. 336–347	
Dalbergia melanoxylon	Opulukwa, Meshack J.; Hamza, K.F.S.; Malende, Y.H.M.B. (2002): INVENTORY OF <i>Dalbergia melanoxylon</i> (MPINGO) IN THE SOUTHERN PART OF TANZANIA: THE CASE OF NACHINGWEA. In: <i>African Study Monographs</i> 23 (1), S. 1–10	
Dalbergia melanoxylon	WERTZ-KANOUNNIKOFF, S.; FALCÃO, M. P.; PUTZEL, L. (2013): Facing China's demand for timber: an analysis of Mozambique's forest concession system with insights from Cabo Delgado Province. In: <i>International Forestry Review</i> 15 (3), S. 387–397	
„Rosewood“	<a href="https://www.bbc.com/news/av/world-africa-51774704/how-illegal-rosewood-is-smuggled-from-senegal-into-gambia">https://www.bbc.com/news/av/world-africa-51774704/how-illegal-rosewood-is-smuggled-from-senegal-into-gambia</a>	Illegal rosewood logging and cross boarder trade from Senegal to Gambia

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade Please tick one box	Comments	References <i>If applicable and available.</i>
Dalbergia malanoxylon	High x Medium Low Unknown	The species is traded in comparably low quantity but very high prices. Main global demand is (a) for musical instruments; (b) for reproduction furniture in China and (c) for African woodcarvings (formally exported and bought in country, then exported by tourists).	NDF of the Scientific Authority of Germany (2018) from Cunningham (2016) and Lemmens, R.H.M.J. (2008): Dalbergia malanoxylon Guill. & Perr. [Internet] Record from PROTA4U.Hg. v. D. Louppe, A. A. Oteng-Amoako und M. Brink. Plant Resources of Tropical Africa / Ressources végétales de l'Afrique tropicale (PROTA). Wageningen, Netherlands. Available online: <a href="http://www.prota4u.org/search.asp">http://www.prota4u.org/search.asp</a>
Pterocarpus erinaceus	High x Medium Low Unknown	Between 2009 and 2015, Chinese imports of Hongmu logs from West Africa increased by more than 2,000 times in volume to app. 149,000 m <sup>3</sup> . In 2014 China alone imported app. 750,000 m <sup>3</sup> of West African rosewood (Lawson, 2015); given a typical yield of 0.8 m <sup>3</sup> for a relatively large tree (Duvall 2008), such a volume would have required the harvesting of more than 1 million trees. Available information suggests that <i>P. erinaceus</i> was in 2015 the most traded species of "Hongmu", in volume, at the international level. The last few years have seen a dramatic increase in trade of <i>P. erinaceus</i> timber, in response to rising demand in Asia for rosewood furniture.	NDF of the German Scientific Authority (2019) from CoP 17 proposal (2016)  Duvall, C., Hin Keong, C. and Oldfield, S. 2016. Inclusion of <i>Pterocarpus erinaceus</i> in Appendix II, without annotation. TRAFFIC  Dumenu, W.K and Bandoh, W.N. 2016. Exploitation of African Rosewood ( <i>Pterocarpus erinaceus</i> ) in Ghana: A situation analysis. Ghana Journal of Forestry 32:1-15  Lawson, S. 2015. The Illegal rosewood boom in West Africa: How Chinese demand is driving conflict, corruption and human rights abuses, Presentation to Chatham House Illegal Logging Stakeholder Update Meeting, 25th June 2015

Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

Not applicable

1. Sírvase completar y remitir este cuestionario a la Secretaría a más tardar el 11 de abril de 2020 a [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Información de contacto

<b>a) Parte, organización o institución:</b>	Comisión Nacional para el Conocimiento y uso de la Biodiversidad	
<b>b) Contacto:</b>	Nombre	Paola Mosig Reidl
	Teléfono	(55) 50044945
	Correo electrónico	pmosig@conabio.gob.mx
	Otro	ac-cites@conabio.gob.mx

Decisión 18.234, párrafo a) i)

3. Sírvase proporcionar una lista de especies comercializadas (exportadas, re-exportadas o importadas) por su país bajo el nombre comercial común “palo de rosa”<sup>10</sup>, y para cada una de estas, especifique el tipo de especímenes declarados en el comercio, así como su estado de inclusión en los Apéndices (si se aplica).

Especies arbóreas comercialmente conocidas como “palos de rosa” Especifique el nombre científico	Especímenes declarados en el comercio como “palos de rosa” P. ej.: trozas, madera aserrada, láminas de chapa de madera, madera contrachapada u otras (especifique)	Inclusión en los Apéndices de la CITES Especifique si se trata del: Apéndice I, Apéndice II, Apéndice III, o no incluida
1. <i>Dalbergia granadillo</i>	Trozas, madera aserrada y madera en rollo	Apéndice II desde 2013
2. <i>Dalbergia congestiflora</i>	Trozas, madera aserrada y madera en rollo	Apéndice II desde 2017
3. <i>Dalbergia stevensonii</i>	Especímenes	Apéndice II desde 2013
4. <i>Dalbergia tucurensis</i>	Madera aserrada y especímenes	Apéndice II desde 2017
5. <i>Dalbergia glomerata</i>	Especímenes	Apéndice II desde 2017
6. <i>Tabebuia rosae</i>	Trozas, madera aserrada y madera en rollo	No incluida
...en caso necesario, añada filas		

Decisión 18.234, párrafo a) ii)

4. Para las especies de “palo de rosa” precitadas, sírvase proporcionar cualquier información o referencia relevante para cualquiera de lo siguiente: biología; población y estado de conservación; gestión; utilización; y comercio (ya sea nacional o internacional).

<sup>9</sup> In addition to the information contained in their response to the questionnaire, Mexico provided a set of bibliographical resources, as well as distribution maps of *Dalbergia stevensonii* and *Dalbergia granadillo*. This dossier will be fully considered in the process of undertaking the study called for in paragraph a) of Decision 18.234.

<sup>10</sup> A modo de referencia, véanse los taxa incluidos en los Apéndices bajo la familia LEGUMINOSAE (Fabaceae), así como los géneros mencionados en la Decisión 18.234, párrafo a) i), es decir: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* y *Swartzia*.



<b>Especies arbóreas “palo de rosa”</b>	<b>Referencia o hiperenlace</b> <i>Si es posible, proporcione cualquier material de referencia como un anexo a ntes este cuestionario</i>	<b>Breve descripción de las referencias proporcionadas</b>
1. <i>D. granadillo</i>	Cervantes <i>et al.</i> (2019). An updated checklist of the Mexican species of <i>Dalbergia</i> (Leguminosae) to aid in its conservation efforts. Revista Mexicana de Biodiversidad.	Este trabajo, presentamos un listado actualizado de las especies del género que se distribuyen en México, junto con una clave de identificación. Para cada taxón se proporciona información sobre sinonimia, forma de vida, altura máxima, distribución, altitud, tipos de vegetación, nombres comunes y estado de conservación. Este estudio busca facilitar la gestión y el manejo de estas especies y que sea la base de los esfuerzos de conservación de <i>Dalbergia</i> en México.
	Colin Urieta,S. (2015) Durabilidad de la madera de siete especies tropicales con importancia comercial en México. Tesis Doctoral	En el presente trabajo se estudió la acción de los factores abióticos (luz solar, lluvia, humedad, viento) y bióticos sobre el envejecimiento de la madera. El cambio de color y presencia de rajaduras y cambio de apariencia en la madera puede ser evaluado para determinar el efecto de las condiciones ambientales.
	Protocolos sobre dictámenes de extracción no perjudicial para <i>Dalbergia stevensonii</i> y <i>D. granadillo</i> . <a href="http://www3.cec.org/cites/es/madera/">http://www3.cec.org/cites/es/madera/</a>	La CITES y las autoridades forestales mexicanas, en colaboración con instituciones académicas, organizaciones no gubernamentales y el sector forestal, y con ayuda de expertos de Estados Unidos, habrán de apoyar la investigación sobre dinámica de la población, biología reproductiva y conservación de <i>D. stevensonii</i> y <i>D. granadillo</i> , a fin de formular protocolos para la preparación de dictámenes de extracción no perjudicial aplicables a la exportación de estas especies.
	Linares, J., & M. Sousa S. 2007. Nuevas especies de <i>Dalbergia</i> (Leguminosae: Papilionoideae: Dalbergieae) en México y Centroamérica. Ceiba 48: 61-82.	Se describen e ilustran siete especies nuevas de <i>Dalbergia</i> para México y Centroamérica. Asimismo, se discuten sus afinidades taxonómicas con otras especies.
	Pittier, H. 1922. On the Species of <i>Dalbergia</i> of Mexico and Central America. Journal of the Washington Academy of Sciences 12: 54-64.	El artículo incluye la descripción de especies de <i>Dalbergia</i> en México y Centro América, así como una guía con las características de cada especie.
	Ricker, M., H. M. Hernández, M. Sousa S. & H. Ochoterena. 2013. Tree and tree-like species of Mexico: Asteraceae, Leguminosae, and Rubiaceae. Revista Mexicana de Biodiversidad 84: 439-470.	El libro proporciona una idea general de los temas elementales para la botánica económica, como la taxonomía vegetal, descripción de especies de interés económico como las maderables, medicinales y otras.
	Rutiaga-Quiñones, J. G., Pedraza-Bucio, F. E., López-Albarrán, P. 2010. Componentes químicos	El documento trata sobre un análisis químico de las componentes de la madera de <i>Dalbergia</i> granadillo. Los componentes químicos determinados fueron: cenizas,

	principales de la madera de <i>Dalbergia granadillo Pittier</i> y <i>Platymiscium lasiocarpum</i> Sandw. Revista Chapingo, Ser. Ciencias Forestales y del Ambiente 16(2): 179-186.	extraíbles (etanol-benceno, agua caliente y agua a temperatura ambiente), lignina y holocelulosa.
	Sousa, M., Ricker, M. & Hernández, H. M. 2001. Tree species of the family Leguminosae in Mexico. Harvard Papers in Botany 6 (1): 339-365.	El documento presenta una lista florística actualizada de especies de leguminosas arbóreas y arbustivas.
2. <i>D. conges tiflora</i>	Barragán-Huerta, B. E., J. Peralta-Cruz, R. F. González-Laredo, & J. Karchesy. 2004. Neocandenatone, an isoflavan-cinnamylphenol quinone methide pigment from <i>Dalbergia congestiflora</i> . Phytochemistry 65:925-928.	El documento trata sobre un análisis mediante el que aislan un compuesto del pigmento morado del duramen de <i>Dalbergia congestiflora</i> y presentan una breve descripción de la especie. <a href="https://www.sciencedirect.com/science/article/abs/pii/S0031942203006897?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0031942203006897?via%3Dihub</a>
	Pérez-Gutiérrez, R. M. & E. García-Baez. 2013. Cytotoxic activity of isoflavan-cinnamylphenols from <i>Dalbergia congestiflora</i> on HeLa cells. Journal of Medicinal Plants Research 7: 2992-2998.	Estudio mediante el que se estudian los patrones de fragmentación espectral para el extracto de <i>D. congestiflora</i> y en el que se da una breve descripción de la especie.
3. <i>D. stevensonii</i> y <i>D. tucurensis</i>	Wiemann, M. C. & Ruffinatto, F. (2012). Separation of <i>Dalbergia stevensonii</i> from <i>Dalbergia tucurensis</i> . Research Paper FPL-RP-665. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 7 p.	El estudio hace una comparación y separación de las características de <i>D. stevensonii</i> (especie protegida) y <i>D. tucurensis</i> (especie similar pero no protegida).
...en caso necesario, añada filas.		

Decisión 18.234, párrafo a) iii)

5. Sírvase proporcionar cualquier información pertinente para los efectos del comercio internacional sobre las poblaciones silvestres de las especies de palo de rosa mencionadas en los párrafos 3 y 4 anteriores.

Especies arbóreas de palo de rosa	Efectos del comercio internacional Marque una casilla	Observaciones	Referencias Si se aplica y están disponibles.
7. <i>Dalbergia granadillo</i>	<input checked="" type="checkbox"/> Altos <input type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	<p>Por mucho tiempo, esta especie fue exportada como <i>D. retusa</i>, por problemas de identificación, por lo que su comercio fue alto en nuestro país, ya que todo lo que se exportó realmente era <i>D. granadillo</i>, ya que se determinó que en México no se distribuye <i>D. retusa</i>.</p>	<p>Cervantes et al. (2019). An updated checklist of the Mexican species of <i>Dalbergia</i> (Leguminosae) to aid in its conservation efforts. Revista Mexicana de Biodiversidad.</p>
8. <i>Dalbergia congestiflora</i>	<input type="checkbox"/> Altos <input checked="" type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	<p>Desde la inclusión al Apéndice II de la CITES, sólo ha habido una solicitud de exportación registrada para esta especie.</p>	
9. <i>Dalbergia stevensonii</i>	<input checked="" type="checkbox"/> Altos <input type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	<p>A pesar de que el comercio en otros países como Guatemala es alto para este especie en México únicamente se tienen registros para especímenes sin fines comerciales</p>	
<i>10. Dalbergia tucurensis</i>	<input type="checkbox"/> Altos <input checked="" type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	<p>Solo se ha registrado una solicitud de exportación de especímenes sin fines comerciales para esta especie y una para madera aserrada, desde su inclusión en App. II</p>	
<i>11. Dalbergia glomerata</i>	<input type="checkbox"/> Altos <input checked="" type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	<p>Solo se ha registrado una solicitud de exportación de especímenes sin fines comerciales para esta especie</p>	
<i>12. Tabebuia rosae</i>	<input type="checkbox"/> Altos <input checked="" type="checkbox"/> Medios <input type="checkbox"/> Bajos <input type="checkbox"/> Desconocidos	<p>En el caso de esta especie, sabemos que se exporta, ya que, nos han solicitado la opinión como Autoridad Científica de México ante la CITES, sin embargo la especie no se encuentra incluida en los Apéndices de la CITES</p>	
...en caso necesario, añada filas			

Decisión 18.235

6. Sírvase proporcionar cualquier información complementaria relevante para el desarrollo del estudio sobre las “especies arbóreas de palo de rosa” de conformidad con el párrafo a) de la Decisión 18.234, así como para la preparación del taller internacional a que se hace alusión en el párrafo d) de la Decisión 18.234 (inclusive aspectos sobre la obtención de recursos externos).

En el marco del proyecto “Apoyo al comercio sustentable de especies listadas en la CITES, la Comisión para la Cooperación Ambiental (CCA), se llevó a cabo de una consultoría “en colaboración con la CCA, se obtuvieron unos mapas sobre la distribución potencial e histórica de las especies de *Dalbergia stevensonii* y *Dalbergia granadillo* a través de diferentes variables (Clima, Topografía, Cobertura boscosa estimada con series de tiempo de imágenes Landsat -años 1985, 1995, 2005, 2015-, distribución potencial y distribución real estimada) para la obtención de los mismos, que consideramos pueden ser de utilidad por la información que proporcionan y como modelo para la elaboración de las especies de “palo de rosa” en los diferentes países de distribución.

**Annexe****Questionnaire sur les espèces d'arbres produisant du bois de rose [Leguminosae (Fabaceae)]**

1. Veuillez remplir et soumettre ce questionnaire au Secrétariat d'ici au 11 avril 2020, à l'adresse [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Coordonnées

<b>a) Partie, Organisation, or Institution :</b>	Direction de l'Environnement	
<b>b) Coordonnées :</b>	Nom	Astrid CLAUDEL RUSIN
	Téléphone	+377 98988894
	Courriel	aclaudelrusin@gouv.mc
	Autre	

Décision 18.234, paragraphe a) i)

3. Veuillez fournir une liste des espèces commercialisées (exportées, ré-exportées et importées) par votre pays sous le nom commercial commun « bois de rose »<sup>1</sup>, et pour chacune d'elle, précisez le type de spécimens signalés dans le commerce, ainsi que le statut de leur inscription aux annexes (le cas échéant).

<b>Espèce d'arbre connue commercialement sous le nom de « bois de rose ». Précisez le nom scientifique</b>	<b>Spécimens signalés dans le commerce sous le nom de « bois de rose ». Par exemple, grumes, bois scié, feuilles de placage, contreplaqué ou autres (précisez)</b>	<b>Inscription aux annexes de la CITES</b> <i>Précisez s'il s'agit de l'Annexe I, l'Annexe II, l'Annexe III, ou d'une espèce non inscrite</i>
1. Dalbergia spp.	CAR (nécessaires de toilette ivoire et bois) Préconvention	I
2. Dalbergia baronii	WPR instruments de musique	II
3. Dalbergia cearensis	WPR mobilier	II
4. Dalbergia decipularis	WPR mobilier	II
5. Dalbergia latifolia	PLY placage / WPR mobilier / VEN	II
6. Dalbergia nigra	WPR mobilier	I
7. Dalbergia sissoo	WPR mobilier	II
<i>... ajouter des lignes si nécessaire</i>		

Décision 18.234, paragraphe a) ii)

4. Pour les espèces de « bois de rose » mentionnées ci-dessus, veuillez fournir toutes les informations ou données disponibles sur la biologie, l'état de la population et de la conservation, la gestion, l'utilisation ou le commerce (national ou international).

<b>Espèces d'arbres produisant du « bois de rose »</b>	<b>Référence ou lien hypertexte</b> <i>Si possible, fournir tout document de référence en annexe au présent questionnaire</i>	<b>Brève description des références fournies</b>
1.		
2.		
3.		

<sup>1</sup> Pour référence, voir les taxons énumérés dans les annexes dans la famille LEGUMINOSAE (Fabaceae), ainsi que les genres mentionnés dans la décision 18.234, paragraphe a) i), à savoir : *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* et *Swartzia*.

4.		
5.		
<i>ajouter des lignes si nécessaire</i>		

Décision 18.234, paragraphe a) iii)

5. Veuillez fournir toutes les informations appropriées sur les effets du commerce international sur les populations sauvages des espèces de bois de rose mentionnées aux paragraphes 3 et 4 ci-dessus.

<b>Espèces d'arbres produisant du « bois de rose »</b>	<b>Effets du commerce international Veuillez cocher une case</b>	<b>Commentaires</b>	<b>Références <i>Si applicables et disponibles</i></b>
1.	<input type="checkbox"/> Élevés <input type="checkbox"/> Moyens <input type="checkbox"/> Faibles <input type="checkbox"/> Inconnus		
2.	<input type="checkbox"/> Élevés <input type="checkbox"/> Moyens <input type="checkbox"/> Faibles <input type="checkbox"/> Inconnus		
3.	<input type="checkbox"/> Élevés <input type="checkbox"/> Moyens <input type="checkbox"/> Faibles <input type="checkbox"/> Inconnus		
4.	<input type="checkbox"/> Élevés <input type="checkbox"/> Moyens <input type="checkbox"/> Faibles <input type="checkbox"/> Inconnus		
5.	<input type="checkbox"/> Élevés <input type="checkbox"/> Moyens <input type="checkbox"/> Faibles <input type="checkbox"/> Inconnus		
<i>ajouter des lignes si nécessaire</i>			

Décision 18.235

6. Veuillez fournir toutes les informations supplémentaires pertinentes pour mener à bien l'étude sur les « espèces d'arbres produisant du bois de rose » conformément au paragraphe a) de la décision 18.234, ainsi que pour la préparation de l'atelier international dont l'organisation est demandée au paragraphe d) de la décision 18.234 (y compris sur les aspects liés à l'obtention de ressources externes).

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Annex 10  
New Zealand

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	New Zealand CITES Management Authority		
<b>b) Contact:</b>	Name	Anastacia Kirk	
	Phone	+64 27 403 9269	
	Email	akirk@doc.govt.nz	
	Other	cites@doc.govt.nz	

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name "rosewood"<sup>1</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as "Rosewood" Specify the scientific name</b>	<b>Specimens reported in trade as "rosewood" E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia baronii</i> *	Sawn wood, wood product	II
2. <i>Dalbergia decipularis</i>	Wood product	II
3. <i>Dalbergia latifolia</i> *	Carving, veneer, wood product	II
4. <i>Dalbergia maritima</i>	Wood product	II
5. <i>Dalbergia melanoxylon</i>	Wood product	II
6. <i>Dalbergia pinnata</i> *	Wood product	II
7. <i>Dalbergia nigra</i> *	Wood product, sawn wood	I
8. <i>Dalbergia retusa</i> *	Wood product	II
9. <i>Dalbergia sissoo</i> *	Wood product, carving	II
10. <i>Dalbergia</i> spp.*	Wood product	II
11. <i>Dalbergia stevensonii</i> *	Wood product	II
12. <i>Dalbergia tucurensis</i> *	Wood product	II
13. <i>Caesalpina echinata</i>	Sawn wood	II
14. <i>Guibourtia demeusei</i>	Wood product	II
15. <i>Guibourtia tessmannii</i>	Wood product	II

Decision 18.234, paragraph a) ii)

4. For the "rosewood" species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

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<sup>1</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

<b>"Rosewood" tree species</b>	<b>Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i></b>	<b>Short description of the references provided</b>
1.	All species listed in paragraph 3, were imported into New Zealand mainly for commercial purpose as musical instruments. The quantity of sawn wood and veneer imported was low (<1% of all imports).  Re-exports of rosewood specimens from New Zealand were primarily for personal use and for re-export back to New Zealand as musical instruments (69 permits issued between January 2008- April 2020)	Data sourced from New Zealand CITES Management Authority trade database (period January 2008 to April 2020)
2.		
3.		
4.		
5.		
<i>...add rows as needed.</i>		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

<b>Rosewood tree species</b>	<b>Effects of international trade <i>Please tick one box</i></b>	<b>Comments</b>	<b>References <i>If applicable and available.</i></b>
1. All species listed in paragraph 3	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown		
2.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
3.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
4.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
5.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low		

	<input type="checkbox"/> Unknown		
<i>...add rows as needed.</i>			

Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

Note: *Dalbergia melanoxylon* commonly referred to as African blackwood  
*Caesalpina echinata* commonly referred to as Brazilwood

Species with \* in paragraph 3 – description of specimen on permits frequently describe the species with the common name ‘rosewood’ e.g. ‘guitar with rosewood fretboard’

**Singapore**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	National Parks Board		
<b>b) Contact:</b>	Name	Xie Renhui	
	Phone	+65 6805 3007	
	Email	<a href="mailto:xie_renhui@nparks.gov.sg">xie_renhui@nparks.gov.sg</a>	
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>2</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia nigra</i>	Musical instruments, furniture	I
2. <i>Dalbergia baronii</i>	Musical instruments	II
3. <i>Dalbergia latifolia</i>	Musical instruments, accessories, furniture	II
4. <i>Dalbergia melanoxylon</i>	Musical instruments, accessories	II
5. <i>Dalbergia odorifera</i>	Furniture	II
6. <i>Dalbergia oliveri</i>	Furniture	II
7. <i>Dalbergia retusa</i>	Accessories	II
8. <i>Dalbergia stevensonii</i>	Musical instruments	II
9. <i>Guibourtia demeuseei</i>	Musical instruments, accessories	II
10. <i>Pterocarpus erinaceus</i>	Musical instruments	II
11. <i>Pterocarpus santalinus</i>	Logs	II
12. <i>Dalbergia maritima</i>	Logs	II
13. <i>Dalbergia louvelii</i>	Logs	II

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

<sup>2</sup> For reference, see taxon listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

“Rosewood” tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
1. <i>Dalbergia nigra</i>	<p><a href="https://speciesplus.net/#/taxon_concepts/24815/legal">https://speciesplus.net/#/taxon_concepts/24815/legal</a></p> <p><a href="https://www.iucnredlist.org/species/32985/86221269">https://www.iucnredlist.org/species/32985/86221269</a></p>	<ul style="list-style-type: none"> <li>• CITES I</li> <li>• No export quotas</li> <li>• Appendix A, EU Wildlife Trade Regulations</li> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by harvesting.</li> </ul>
2. <i>Dalbergia baronii</i>	<p><a href="https://speciesplus.net/#/taxon_concepts/15078/legal">https://speciesplus.net/#/taxon_concepts/15078/legal</a></p> <p><a href="https://www.iucnredlist.org/species/33955/9824813#population">https://www.iucnredlist.org/species/33955/9824813#population</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• No export quotas</li> <li>• Suspension of commercial trade from Madagascar, with exception of products produced, registered, and authorised for export prior to 2 Jan 17</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by urban and agricultural development, and harvesting.</li> </ul>
3. <i>Dalbergia latifolia</i>	<p><a href="https://speciesplus.net/#/taxon_concepts/68317/legal">https://speciesplus.net/#/taxon_concepts/68317/legal</a></p> <p><a href="https://www.iucnredlist.org/species/32098/9675296">https://www.iucnredlist.org/species/32098/9675296</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• No export quotas</li> <li>• Government of India has banned the export for commercial purposes of all wild-taken specimens of species</li> <li>• In Philippine, the export of CITES-listed aquatic species (an exemption may be granted for limited quantities if collection has been authorized by the prior issuance of a special permit and the export is for scientific purposes).</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by harvesting.</li> </ul>
4. <i>Dalbergia melanoxylon</i>	<p><a href="https://speciesplus.net/#/taxon_concepts/16414/legal">https://speciesplus.net/#/taxon_concepts/16414/legal</a></p> <p><a href="https://www.iucnredlist.org/species/32504/9710439">https://www.iucnredlist.org/species/32504/9710439</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• No export quotas</li> <li>• Government of India has banned the export for commercial purposes of all wild-taken specimens of species</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by urban and agricultural development, and harvesting.</li> </ul>

<p>5. <i>Dalbergia odorifera</i></p>	<p><a href="https://speciesplus.net/#/taxon_concept/s/68032/legal">https://speciesplus.net/#/taxon_concept/s/68032/legal</a></p> <p><a href="https://www.iucnredlist.org/species/32398/9698077">https://www.iucnredlist.org/species/32398/9698077</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• No export quotas</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> </ul> <ul style="list-style-type: none"> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by harvesting.</li> </ul>
<p>6. <i>Dalbergia oliveri</i></p>	<p><a href="https://speciesplus.net/#/taxon_concept/s/68138/legal">https://speciesplus.net/#/taxon_concept/s/68138/legal</a></p> <p><a href="https://www.iucnredlist.org/species/32306/9693932">https://www.iucnredlist.org/species/32306/9693932</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• No export quotas</li> <li>• Government of India has banned the export for commercial purposes of all wild-taken specimens of species</li> <li>• In Laos, commercial trade is suspended, including finished products.</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> </ul> <ul style="list-style-type: none"> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by harvesting.</li> </ul>
<p>7. <i>Dalbergia retusa</i></p>	<p><a href="https://speciesplus.net/#/taxon_concept/s/14442/legal">https://speciesplus.net/#/taxon_concept/s/14442/legal</a></p> <p><a href="https://www.iucnredlist.org/species/32957/67799410">https://www.iucnredlist.org/species/32957/67799410</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• No export quotas</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> </ul> <ul style="list-style-type: none"> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by urban, agricultural, and transport networks development, and harvesting.</li> </ul>
<p>8. <i>Dalbergia stevensonii</i></p>	<p><a href="https://speciesplus.net/#/taxon_concept/s/28871/legal">https://speciesplus.net/#/taxon_concept/s/28871/legal</a></p> <p><a href="http://www.catalogueoflife.org/col/detail/s/species/id/2adc890afa00b2d3a08d55f88f0f5cb2">http://www.catalogueoflife.org/col/detail/s/species/id/2adc890afa00b2d3a08d55f88f0f5cb2</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• No export quotas</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> </ul> <p>• Conservation status not threatened</p>
<p>9. <i>Guibourtia demeusei</i></p>	<p><a href="https://speciesplus.net/#/taxon_concept/s/68201/legal">https://speciesplus.net/#/taxon_concept/s/68201/legal</a></p> <p><a href="http://www.catalogueoflife.org/col/detail/s/species/id/a15f2f4fc5544a997054352ca287533">http://www.catalogueoflife.org/col/detail/s/species/id/a15f2f4fc5544a997054352ca287533</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• Quota by Congo 2020: 3556 m<sup>3</sup></li> <li>• Quota by Cameroon 2019: 5817 m<sup>3</sup></li> <li>• Quota by DR Congo 2019: 14895 m<sup>3</sup></li> <li>• Appendix B, EU Wildlife Trade Regulations</li> </ul> <p>• Conservation status not threatened</p>
<p>10. <i>Pterocarpus erinaceus</i></p>	<p><a href="https://speciesplus.net/#/taxon_concept/s/67733/legal">https://speciesplus.net/#/taxon_concept/s/67733/legal</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• Quota by Guinea Bissau 2019: 0</li> <li>• In Guinea, Liberia, and Nigeria, all commercial trade of this species is suspended</li> <li>• In Guinea-Bissau, exports of specimens harvested after the entry into force of the listing of the species in Appendix II (2 January 2017) are prohibited under</li> </ul>

		<p>national legislation for the years 2017, 2018 and 2019. A stock of pre-Convention logs of <i>Pterocarpus erinaceus</i>, marked with a unique identifier, will be allowed for export on the basis of pre-Convention certificates issued by the CITES Management Authority of Guinea-Bissau, to be sent directly to the Management Authority of the importing Party with a copy to the CITES Secretariat. No pre-Convention logs of <i>P. erinaceus</i> will be authorized for export by the Management Authority of Guinea-Bissau after 31 December 2018.</p> <ul style="list-style-type: none"> <li>• Appendix B, EU Wildlife Trade Regulations</li> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by urban and agricultural development, climate change, human disturbance (war, civil unrest) and harvesting.</li> </ul>
11. <i>Pterocarpus santalinus</i>	<p><a href="https://www.iucnredlist.org/species/62027797/62027800">https://www.iucnredlist.org/species/62027797/62027800</a></p> <p><a href="https://speciesplus.net/#/taxon_concepts/28106/legal">https://speciesplus.net/#/taxon_concepts/28106/legal</a></p> <p><a href="https://www.iucnredlist.org/species/32104/67803072">https://www.iucnredlist.org/species/32104/67803072</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• For British Indian Ocean Territory (United Kingdom) 2018, all specimens from the wild. [Note: India will authorize the export of specimens of any type, from 310 metric tonnes of wood per year from artificially propagated source (Source "A") and a one-time export of specimens of any type, from 4393.93 metric tonnes of wood from confiscated or seized source (Source "I")]. Government of India has banned the export for commercial purposes of all wild-taken specimens of species</li> <li>• Quota by India 2017: 0</li> <li>• Government of India has banned the export for commercial purposes of all wild-taken specimens of species</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> <li>• Population severely fragmented</li> <li>• Continuing decline of mature individuals</li> <li>• Threatened by urban and agricultural development, and harvesting.</li> </ul>
<i>Dalbergia maritima</i>	<a href="https://www.speciesplus.net/#/taxon_concepts/24484/legal">https://www.speciesplus.net/#/taxon_concepts/24484/legal</a>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• CITES Notif no. 2018/007 – Suspension of commercial trade in specimens of the species <i>Dalbergia</i> spp. from Madagascar until further notice, with the exception of <i>Dalbergia</i> spp. products</li> </ul>

	<p><a href="https://www.iucnredlist.org/species/38255/10108121">https://www.iucnredlist.org/species/38255/10108121</a></p>	<p>which had been produced, registered and authorised for export prior to 2 January 2017.</p> <ul style="list-style-type: none"> <li>• Appendix B, EU Wildlife Trade Regulations</li> </ul> <ul style="list-style-type: none"> <li>• Fragmented</li> <li>• Threatened by mining, quarrying, logging and wood harvesting activities.</li> </ul>
<i>Dalbergia louvelii</i>	<p><a href="https://www.speciesplus.net/#/taxon_concepts/14303/legal">https://www.speciesplus.net/#/taxon_concepts/14303/legal</a></p> <p><a href="https://www.iucnredlist.org/species/38244/10107602">https://www.iucnredlist.org/species/38244/10107602</a></p>	<ul style="list-style-type: none"> <li>• CITES II</li> <li>• CITES Notif no. 2018/007 – Suspension of commercial trade in specimens of the species <i>Dalbergia</i> spp. from Madagascar until further notice, with the exception of <i>Dalbergia</i> spp. products which had been produced, registered and authorised for export prior to 2 January 2017.</li> <li>• Appendix B, EU Wildlife Trade Regulations</li> </ul> <ul style="list-style-type: none"> <li>• Population severely fragmented.</li> <li>• Selectively felled for the export market.</li> </ul>

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade Please tick one box	Comments	References <i>If applicable and available.</i>
1. <i>Dalbergia nigra</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	The products in trade were pre-Convention specimens.	
2. All other <i>Dalbergia</i> species listed in question 3 (less <i>Dalbergia nigra</i> )	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	The amount used in the product is fairly low, eg. fretboard of guitars	
3. <i>Guibourtia demeusei</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	The amount used in the product is fairly low, eg, small watch boxes or parts of small accessories.	
4. <i>Pterocarpus santalinus</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low	Little or no trade in this species.	

	<input type="checkbox"/> Unknown <input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	The logs in trade are in transit via Singapore.	
5. <i>Dalbergia maritima</i> , <i>D. louvelii</i>			

Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

Resources to help us fight the illegal trade of rosewood e.g. named samples of verified rosewood species from their range countries to build up a reference library, and eventually a dataset for machine learning for species identification.
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**Slovakia**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	Slovakia, Ministry of Environment of the Slovak Republic, CITES Management Authority	
<b>b) Contact:</b>	Name	Silvia Rusnakova
	Phone	+421 2 5956 2466
	Email	<a href="mailto:silvia.rusnakova@enviro.gov.sk">silvia.rusnakova@enviro.gov.sk</a>
	Other	

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name "rosewood"<sup>3</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

SK: Based on the input of our customs (overview of trade in selected HS codes), unfortunately we were not able to identify species trade under name "rosewood" (originally in English), especially non CITES species. This information is in customs data not available (too concrete). Information about trade in CITES listed rosewood species are in our Annual reports on [www.cites.org](http://www.cites.org).

In case you translate "rosewood" in Slovak language (ružové drevo), under this term is traded *Aniba roseadura*. We have found essential oils in trade (online). The species does not belong to the family Fabaceae. The species is listed in CITES Appendix II with annotation 12 - Designates logs, sawn wood, veneer sheets, plywood and extracts. Finished products containing such extracts as ingredients, including fragrances, are not considered to be covered by this annotation.

<b>Tree species commercially known as "Rosewood" Specify the scientific name</b>	<b>Specimens reported in trade as "rosewood" E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1.		
2.		
3.		
4.		
5.		
<i>...add rows as needed</i>		

Decision 18.234, paragraph a) ii)

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<sup>3</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

<b>“Rosewood” tree species</b>	<b>Reference or hyperlink</b> <i>If possible, provide any reference material as an attachment to this questionnaire</i>	<b>Short description of the references provided</b>
1.		
2.		
3.		
4.		
5.		
<i>...add rows as needed.</i>		

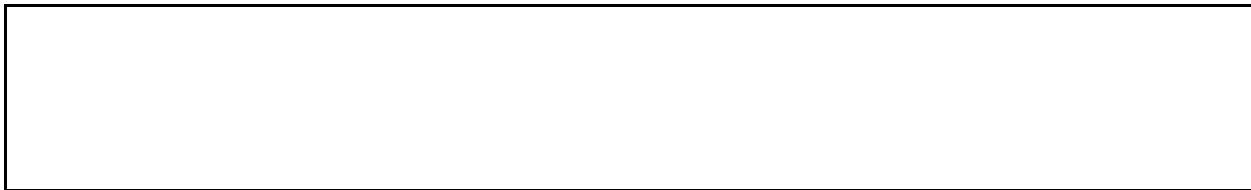
Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

<b>Rosewood tree species</b>	<b>Effects of international trade</b> <i>Please tick one box</i>	<b>Comments</b>	<b>References</b> <i>If applicable and available.</i>
1.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
2.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
3.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
4.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
5.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
<i>...add rows as needed.</i>			

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6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).



**Switzerland**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	Management Authority of Switzerland and Lichtenstein		
	Name	Ursula Moser	
<b>b) Contact:</b>	Phone	+41 58 463 83 99	
	Email	Ursula.moser@blv.admin.ch	
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name "rosewood"<sup>4</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as "Rosewood" Specify the scientific name</b>	<b>Specimens reported in trade as "rosewood"</b> <i>E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</i>	<b>Listing in the CITES Appendices</b> <i>Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</i>
1. <i>Aniba roseodora</i>	Extract	II
2. <i>Dalbergia baronii</i>	Musical instruments, sawn wood,	II
3. <i>Dalbergia cearensis</i>	Parts for music instruments, musical instruments, carvings	II
4. <i>Dalbergia cubilquitzensis</i>	Wood products	II
5. <i>Dalbergia decipularis</i>	Musical instruments	II
6. <i>Dalbergia latifolia</i>	Musical instruments mainly guitars, wood products, veneer	II
7. <i>Dalbergia melanoxylon</i>	Parts for music instruments, musical instruments, scantlings, carvings	II
8. <i>Dalbergia nigra</i>	Musical instruments, parts for music instruments, furniture, wood products, sawn wood, logs	I
9. <i>Dalbergia pinnata</i>	Musical instruments	II
10. <i>Dalbergia retusa</i>	Musical instruments, wood products	II
11. <i>Dalbergia sissoo</i>	Furniture	II
12. <i>Dalbergia</i> spp.	Musical instruments, parts of instruments, carvings, wood products	II
13. <i>Dalbergia spruceana</i>	Musical instruments, wood products	II
14. <i>Dalberia stevensonii</i>	knife handles, carvings, musical instruments, wood products,	II
15. <i>Dalbergia tucurensis</i>	Wood products	II

<sup>4</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

16. <i>Pterocarpus erinaceus</i>	Musical instruments	II
Decision 18.234, paragraph a) ii)		

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

“Rosewood” tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
1.		
2.		
3.		
4.		
5.		
...add rows as needed.		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade <i>Please tick one box</i>	Comments	References <i>If applicable and available.</i>
1. <i>Aniba roseodora</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	Country of origin BR	
2. <i>Dalbergia baronii</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Pre-convention Country of origin MG	
3. <i>Dalbergia cearensis</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown		
4. <i>Dalbergia cubilquitzensis</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown		
5. <i>Dalbergia decipularis</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown		
6. <i>Dalbergia latifolia</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	Source “W” and “A” Country of origin India	

	<input type="checkbox"/> Unknown	Source "A" Country of origin Indonesia (Plantations) most imports were pre-convention	
7. <i>Dalbergia melanoxylon</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Pre-convention, some source "W", country of origin TZ und MZ	
8. <i>Dalbergia nigra</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Country of origin in most cases BR	
9. <i>Dalbergia pinnata</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	Country of origin NI	
10. <i>Dalbergia retusa</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Often source "W" most country of origin NI, in some cases MX	
11. <i>Dalbergia sissoo</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Most imports were pre-convention but India has quite a lot of plantations	
12. <i>Dalbergia</i> spp.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	"pre-convention"	
13. <i>Dalbergia spruceana</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Country of origin BR	
14. <i>Dalberia stevensonii</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Pre-convention but also often source "W", country of origin GT, BZ, ID	
15. <i>Dalbergia tucurensis</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown		
16. <i>Pterocarpus erinaceus</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown		

#### Decision 18.235

6. Please provide any additional information relevant to the development of the study on "rosewood tree species" as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).



## Thailand

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	Office of Plant Varieties Protection, Department of Agriculture		
<b>b) Contact:</b>	Name	Duangduen Sripotar	
	Phone	66 29405687	
	Email	<a href="mailto:citesflora@gmail.com">citesflora@gmail.com</a> ; <a href="mailto:duangduen_sripotar@yahoo.com">duangduen_sripotar@yahoo.com</a>	
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>5</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia cochinchinensis</i>	Walking stick, March leaves	Appendix II
2. <i>Dalbergia baronii</i>	Guitar	Appendix II
3. <i>Dalbergia latifolia</i>	Instrument , Guitar, Pressed paper	Appendix II
4. <i>Dalbergia melanoxylon</i>	Derivative, Pen	Appendix II
5. <i>Dalbergia nigra</i>	Guitar, Piano	Appendix I
6. <i>Dalbergia oliveri</i>	Derivative	Appendix II
7. <i>Dalbergia retusa</i>	Guitar	Appendix II
8. <i>Dalbergia sissoo</i>	Guitar	Appendix II
9. <i>Dalbergia stevensonii</i>	Xylophone, Marimba,	Appendix II
10. <i>Dalbergia tucurensis</i>	Guitar	Appendix II
11. <i>Guibourtia demeusei</i>	Guitar, Fingerboard, Piano, Watch Box, Drum, Sawn wood	Appendix II
12. <i>Guibourtia tessmannii</i>	Guitar, Sawn wood	Appendix II
13. <i>Pterocarpus erinaceus</i>	Guitar	Appendix II

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

<sup>5</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

“Rosewood” tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
1. <i>Dalbergia cochinchinensis</i>	<ul style="list-style-type: none"> <li>- Niyomdharm, C. (2002). An account of <b>Dalbergia (Leguminosae-Papilionoideae) in Thailand</b>. Thai Forest Bulletin (Botany) 30: 124-166.</li> <li>- H. Balslev&amp; P. Chantaranothai. (2018). <b>Leguminosae-Papilionoideae (Tribes: Sophoreae, Euchrestae, Crotalarieae, Dalbergieae and Indigoferae)</b>. In Flora of Thailand Vol. 4(3.1): 286-325.</li> <li>- I. Hartvig, T. So, S. Changtragoon, H.T. Tran, S. Bouamanivong, I. Theilade, E. D. Kjaer &amp; L. R. Nielsen. (2017) <b>Population genetic structure of the endemic rosewoods Dalbergia cochinchinensis and D. oliveri at a regional scale reflects the Indochinese landscape and life-history traits</b>. Ecology and Evolution 8 (1).</li> </ul>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> deciduous and semi-deciduous forests <b>Elevation:</b> 0-1200 m <b>Distribution:</b> Cambodia, Lao, Thailand, Viet Nam <b>IUCN Status:</b> Vulnerable <b>Management:-</b> <b>Use:</b> Fine furniture, turned objects, musical instruments <b>Trade:</b> national and international
2. <i>Dalbergia baronii</i>	<ul style="list-style-type: none"> <li>- Schuurman D. &amp; Lowry II P. (2009). <b>The Madagascar rosewood massacre</b>. Madagascar Conservation &amp; Development. 4 (2): 98-102.</li> <li>- <b>Plant Resources of Tropical Africa</b> <a href="https://uses.plantnet-project.org/en/Dalbergia_baronii_(PROTA)">https://uses.plantnet-project.org/en/Dalbergia_baronii_(PROTA)</a></li> <li>- UNEP-WCMC. (2017). <b>Review of selected Dalbergia species and Guibourtia demeusei</b>. UNEP-WCMC, Cambridge.</li> </ul>	<b>Habit:</b> Shrub, Tree <b>Vegetation Formation:</b> Forest, Saline Wetland <b>Elevation:</b> 0-499 m, 500-999 m <b>Distribution:</b> Endemic to Madagascar <b>IUCN Status:</b> Vulnerable <b>Management:-</b> <b>Use:</b> musical instruments, shingles, carpentry, carvings, ship and boat building, veneer, plywood <b>Trade:</b> national and international
3. <i>Dalbergia latifolia</i>	<ul style="list-style-type: none"> <li>- Sukadi T. (1994). <b>Agroforestry-based plantations of Dalbergia latifolia Roxb. in Java, Indonesia</b>. In: Westley SB and Rosshello JM (eds). <i>Dalbergia</i>: proceedings of an international workshop. Nitrogen Fixing Tree Research Reports, Special issue.</li> <li>- <b>Plant Resources of Tropical Africa</b> <a href="https://uses.plantnet-project.org/en/Dalbergia_latifolia_(PROTA)">https://uses.plantnet-project.org/en/Dalbergia_latifolia_(PROTA)</a></li> <li>- UNEP-WCMC. (2017). <b>Review of selected Dalbergia species and Guibourtia demeusei</b>. UNEP-WCMC, Cambridge.</li> </ul>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> dry deciduous forests <b>Elevation:</b> 0-1500 m <b>Distribution:</b> India, Indonesia <b>IUCN Status:</b> Vulnerable <b>Management:-</b> <b>Use:</b> furniture, cabinetry, guitar bodies, fretboard material, veneer, carvings, boats and skis <b>Trade:</b> national and international
4. <i>Dalbergia melanoxylon</i>	<ul style="list-style-type: none"> <li>- <b>Plant Resources of Tropical Africa</b> <a href="https://uses.plantnet-project.org/en/Dalbergia_melanoxylon_(PROTA)">https://uses.plantnet-project.org/en/Dalbergia_melanoxylon_(PROTA)</a></li> <li>- UNEP-WCMC. (2017). <b>Review of selected Dalbergia species and Guibourtia demeusei</b>. UNEP-WCMC, Cambridge</li> </ul>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> Miombo forest <b>Elevation:</b> 700-1900 m <b>Distribution:</b> Senegal east to Eritrea, Ethiopia and Kenya, and south to Namibia, Botswana, northern South Africa and Swaziland. <b>IUCN Status:</b> Near Threatened <b>Management:-</b> <b>Use:</b> musical instruments (guitars, clarinets, oboes, etc.) <b>Trade:</b> national and international
5. <i>Dalbergia nigra</i>	<ul style="list-style-type: none"> <li>- <b>Plants For A Future</b> <a href="https://pfaf.org/user/Plant.aspx?LatinName=Dalbergia+nigra">https://pfaf.org/user/Plant.aspx?LatinName=Dalbergia+nigra</a></li> <li>- Taylor, V., Kecse-Nagy, K. &amp; Osborn, T. (2012). <b>Trade in Dalbergia nigra and the European Union</b>. Report prepared for the European Commission.</li> </ul>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> wet and damp forest on rich soils <b>Elevation:</b> 0-1000 m <b>Distribution:</b> Endemic to Brazil. <b>IUCN Status:</b> Vulnerable <b>Management:-</b> <b>Use:</b> musical instruments, decorative wood-ware, knife handles and turnery <b>Trade:</b> national and international

6. <i>Dalbergia oliveri</i>	<p>- Niyomdham, C. (2002). <b>An account of Dalbergia (Leguminosae-Papilionoideae) in Thailand.</b> Thai Forest Bulletin (Botany) 30: 124-166.</p> <p>- H. Balslev&amp; P. Chantanothai. (2018). <b>Leguminosae-Papilionoideae (Tribes: Sophoreae, Euchresteae, Crotalarieae, Dalbergieae and Indigofereae).</b> In Flora of Thailand Vol. 4(3.1): 286-325.</p> <p>- I. Hartvig, T.So, S.Changtragoon, H.T. Tran, S. Bouamivong, I.Theilade, E. D.Kjær &amp; L.R. Nielsen. (2017) <b>Population genetic structure of the endemic rosewoods Dalbergia cochinchinensis and D. oliveri at a regional scale reflects the Indochinese landscape and life- history traits.</b> Ecology and Evolution 8 (1).</p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> dry deciduous semi-deciduous, and evergreen forests <b>Elevation:</b> 0-1500 m <b>Distribution:</b> Myanmar, Thailand, Viet Nam <b>IUCN Status:</b> Endangered <b>Management:-</b> <b>Use:</b> furniture, cabinets, and handicrafts <b>Trade:</b> national and international
7. <i>Dalbergia retusa</i>	<p>- <b>Tropical Plants Database</b>, Ken Fern. tropical.theferns.info. Accessed 25 March 2020. (tropical.theferns.info/viewtropical.php?id=Dalbergia+retusa)</p> <p>- UNEP-WCMC. (2017). <b>Review of selected Dalbergia species and Guibourtia demeusei.</b> UNEP-WCMC,Cambridge</p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> tropical moist forest <b>Elevation:</b> 0-800 m <b>Distribution:</b> Panama to Mexico <b>IUCN Status:</b> critically endangered <b>Management:</b> <b>Use:</b> knife and tool handles, musical and scientific instruments, inlay, and jewellery boxes <b>Trade:</b> national and international
8. <i>Dalbergia sissoo</i>	<p>-Lemmens, R.H.M.J., (2008). <b>Dalbergia sissoo Roxb. ex DC.</b> In: Louppe, D., Oteng-Amoako, A.A. &amp; Brink, M. (Editors). PROTA (Plant Resources of Tropical Africa Wageningen, Netherlands. Accessed 25 March 2020.</p> <p>- UNEP-WCMC. (2017). <b>Review of selected Dalbergia species and Guibourtia demeusei.</b> UNEP-WCMC,Cambridge</p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> open deciduous forest <b>Elevation:</b> <b>Distribution:</b> Himalayan foothills in northern India <b>IUCN Status:</b> not assessed <b>Management:-</b> <b>Use:</b> firewood, timber, poles, posts, and tool handles <b>Trade:</b> national and international
9. <i>Dalbergia stevensonii</i>	<p>- Micheal C. &amp; W. F. Ruffinatto. (2012). <b>Separation of Dalbergia stevensonii from Dalbergia tucurensis.</b>USDA Forest Service, Forest Products Laboratory, Research Paper.</p> <p>- E. Meier (2020). <b>The Wood-Database.</b> Accessed 25 March 2020. (<a href="https://www.wood-database.com/honduran-rosewood/">https://www.wood-database.com/honduran-rosewood/</a>)</p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> rainforests <b>Elevation:</b> <b>Distribution:</b> Belize, Guatemala, Mexico <b>IUCN Status:</b> not assessed <b>Management:-</b> <b>Use:</b> guitars, furniture, banjos, and sculptures <b>Trade:</b> national and international
10. <i>Dalbergia tucurensis</i>	<p>-<b>Tropical Plants Database</b>, Ken Fern. tropical.theferns.info. Accessed 8 April 2020. &lt;tropical.theferns.info/viewtropical.php?id=Dalbergia+tucurensis&gt;</p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> Moist or wet forest, often on limestone <b>Elevation:</b> 1,500 m <b>Distribution:</b> Guatemala, Belize, Honduras <b>IUCN Status:</b> not assessed <b>Management:-</b> <b>Use:</b> cart axles and tongues, wheel spokes <b>Trade:</b> national and international
11. <i>Guibourtia demeusei</i>	<p>- UNEP-WCMC. (2017). <b>Review of selected Dalbergia species and Guibourtia demeusei.</b> UNEP-WCMC,Cambridge</p> <p>-<b>Tropical Plants Database</b>, Ken Fern. tropical.theferns.info. Accessed 25 March 2020.&lt;tropical.theferns.info/viewtropical.php?id=Guibourtia+demeusei&gt;</p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> periodically flooded, swamp-forest <b>Elevation:</b> <b>Distribution:</b> Cameroon, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon <b>IUCN Status:</b> not assessed <b>Management:-</b> <b>Use:</b> high class furniture, cabinet work, turnery, flooring, stairs, heavy carpentry, joinery, and railway sleepers <b>Trade:</b> national and international

12. <i>Guibourtia tessmannii</i>	<p>- Tropical Plants Database, Ken Fern. tropical.theferns.info. Accessed 25 March 2020.&lt;tropical.theferns.info/viewtropical.php?id=Guibourtia+tessmannii&gt;</p> <p>- Plants For A Future  <a href="https://pfaf.org/user/Plant.aspx?LatinName=Guibourtia+tessmannii">https://pfaf.org/user/Plant.aspx?LatinName=Guibourtia+tessmannii</a></p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> Sacoglottis forest; Maranthaceae forest <b>Elevation:</b> <b>Distribution:</b> Nigeria, Cameroon, Equatorial Guinea, Gabon, Congo <b>IUCN Status:</b> not assessed <b>Management:-</b> <b>Use:</b> flooring, joinery, furniture, cabinet work, mine props, vehicle bodies, boxes crates, musical instruments, tool handles brush backs and carvings <b>Trade:</b> national and international
13. <i>Pterocarpus erinaceus</i>	<p>- Duvall, C. S. (2008). <i>Pterocarpus erinaceus Poir.</i> In: Louppe, D., Oteng-Amoako, A.A. &amp; Brink, M. (Editors). PROTA (Plant Resources of Tropical Africa, Wageningen, Netherlands. Accessed 25 March 2020.</p>	<b>Habit:</b> Tree <b>Vegetation Formation:</b> savanna <b>Elevation:</b> 600 – 1200 <b>Distribution:</b> Senegal and Gambia to Chad and the Central African Republic <b>IUCN Status:</b> endangered <b>Management:-</b> <b>Use:</b> musical instruments, keys and part of the frame <b>Trade:</b> national and international

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade Please tick one box	Comments	References <i>If applicable and available.</i>
1. <i>Dalbergia cochinchinensis</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	<ul style="list-style-type: none"> <li>- Occur in natural forest of Thailand</li> <li>- Overexploitation as well as habitat loss has led to dramatic decreases in overall population size.</li> <li>- No range state could legitimately issue an export permit: Only Thailand has population data, no country has done NDFs, and all countries ban harvest and trade.</li> </ul>	<ul style="list-style-type: none"> <li>- I. Hartvig, T. So, S. Changtragoon, H.T. Tran, S. Bouamainivong, I. Theilade, E. D. Kjær &amp; L. R. Nielsen. (2017) <b>Population genetic structure of the endemic rosewoods <i>Dalbergia cochinchinensis</i> and <i>D. oliveri</i> at a regional scale reflects the Indochinese landscape and life- history traits.</b> Ecology and Evolution 8 (1).</li> <li>- EIA (2015). <b>Addressing ASEAN's regional rosewood crisis: An urgent call to action.</b> London, UK: Environmental Investigation Agency. <a href="https://eia-international.org/wp-content/uploads/ASEAN-rosewood-briefing-English-FINAL.pdf">https://eia-international.org/wp-content/uploads/ASEAN-rosewood-briefing-English-FINAL.pdf</a></li> <li>- EIA (2017), <b>Illegal and Unsustainable: CITES Certified Rosewood Trade in Asia.</b></li> </ul>

			<a href="https://forestlegality.org/sites/default/files/EIA.pdf">https://forestlegality.org/sites/default/files/EIA.pdf</a>
2. <i>Dalbergia baronii</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-
3. <i>Dalbergia latifolia</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-
4. <i>Dalbergia melanoxylon</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-
5. <i>Dalbergia nigra</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-
6. <i>Dalbergia oliveri</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	<ul style="list-style-type: none"> <li>- Occur in natural forest of Thailand</li> <li>- Overexploitation as well as habitat loss has led to dramatic decreases in overall population size..</li> <li>- No range state could legitimately issue an export permit, other than for "preconvention" sources: Only Thailand and Myanmar have population or status data, but neither understood to have an NDF in place.</li> </ul>	<ul style="list-style-type: none"> <li>- I. Hartvig, T.So, S.Changtragoon, H.T. Tran, S. Bouamainvong, I.Theilade, E. D.Kjær &amp; L. R. Nielsen. (2017) <b>Population genetic structure of the endemic rosewoods <i>Dalbergia cochinchinensis</i> and <i>D. oliveri</i> at a regional scale reflects the Indochinese landscape and life- history traits.</b> Ecology and Evolution 8 (1).</li> <li>- EIA (2015). <b>Addressing ASEAN's regional rosewood crisis: An urgent call to action.</b> London, UK: Environmental Investigation Agency. <a href="https://eia-international.org/wp-content/uploads/ASEAN-rosewood-briefing-English-FINAL.pdf">https://eia-international.org/wp-content/uploads/ASEAN-rosewood-briefing-English-FINAL.pdf</a></li> <li>- EIA (2017), <b>Illegal and Unsustainable: CITES Certified Rosewood Trade in Asia.</b> <a href="https://forestlegality.org/sites/default/files/EIA.pdf">https://forestlegality.org/sites/default/files/EIA.pdf</a></li> </ul>
7. <i>Dalbergia retusa</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	-	-
8. <i>Dalbergia sissoo</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	-	-

	<input checked="" type="checkbox"/> Unknown		
9. <i>Dalbergia stevensonii</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-
10. <i>Dalbergia tucurensis</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown		
11. <i>Guibertia demeusei</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-
12. <i>Guibourtia tessmannii</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-
13. <i>Pterocarpus erinaceus</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	-	-

Decision 18.235

6. Please provide any additional information relevant to the development of the study on "rosewood tree species" as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

N/A
-

**Annex****Questionnaire on Rosewood tree species [Leguminosae (Fabaceae)]**

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	UK CITES Scientific Authority for Flora- Royal Botanic Gardens, Kew		
<b>b) Contact:</b>	Name	Valentina Vaglica	
	Phone	+44 (0)20 8332 5662	
	Email	<a href="mailto:cites@kew.org">cites@kew.org</a>	
	Other	<a href="mailto:v.vaglica@kew.org">v.vaglica@kew.org</a>	

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name "rosewood"<sup>1</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as "Rosewood" Specify the scientific name</b>	<b>Specimens reported in trade as "rosewood" E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia nigra</i>	Wood product: furniture, musical instrument, sawn wood	I
2. <i>Dalbergia sissoo</i>	Wood product: furniture	II
3. <i>Dalbergia melanoxylon</i>	Wood pieces, timber, sawn wood	II
4. <i>Dalbergia decipularis</i>	Wood product: furniture	II
5. <i>Dalbergia latifolia</i>	Wood product: furniture, musical instrument	II
6. <i>Dalbergia abrahamii</i>	Wood product: furniture	II
7. <i>Dalbergia abbreviata</i>	Wood product: furniture	II
8. <i>Dalbergia baronii</i>	Wood product: musical instrument, furniture	II
9. <i>Dalbergia conchinchinensis</i>	Wood product: furniture	II
10. <i>Dalbergia odorifera</i>	Wood product: furniture	II
11. <i>Dalbergia olivieri</i>	Wood product: furniture	II
12. <i>Dalbergia granadillo</i>	Wood product: musical instrument	II
13. <i>Dalbergia caerensis</i>	Wood product: musical instrument	II
14. <i>Dalbergia madagascariensis</i>	Wood product: furniture	II
15. <i>Dalbergia maritima</i>	Wood product: musical instrument	II
16. <i>Dalbergia pinnata</i>	Wood product: musical instrument	II
17. <i>Dalbergia retusa</i>	Wood product: musical instrument	II
18. <i>Dalbergia spp.</i>	Wood product: musical instrument, pocketknives, furniture	II
19. <i>Dalbergia spruceana</i>	Wood product: musical instrument	II
20. <i>Dalbergia tucurensis</i>	Wood, logs and wood product: musical instrument	II
21. <i>Dalbergia stevensonii</i>	Wood and wood product: musical instrument	II

<sup>1</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

22. <i>Guibourtia demeusei</i>	Wood product: watch presentation boxes, musical instrument,	II
23. <i>Guibourtia tessmannii</i>	Wood product: musical instrument, wood handles (knives, potato peelers),	II
24. <i>Pterocarpus erinaceus</i>	Wood product: musical instrument, furniture	II
25. <i>Pterocarpus santalinus</i>	Wood product	II
...add rows as needed		

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

“Rosewood” tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
1. <i>D. baronii</i> , <i>D. latifolia</i> , <i>D. melanoxylon</i> , <i>D. retusa</i> , <i>D. sissoo</i> , <i>G. demeusei</i>	<a href="https://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetailDoc&amp;id=33603&amp;no=51">https://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetailDoc&amp;id=33603&amp;no=51</a>	This report presents a review of five species of <i>Dalbergia</i> and one additional species, <i>Guibourtia demeusei</i> (Gabon), selected for review by the EU Scientific Review Group (SRG).
2. <i>D. latifolia</i>	<a href="http://old.worldagroforestry.org/treedb2/AFTPDFS/Dalbergia%20latifolia.PDF">http://old.worldagroforestry.org/treedb2/AFTPDFS/Dalbergia%20latifolia.PDF</a>	Species sheet information
3. <i>D. melanoxylon</i>	<a href="https://www.iucnredlist.org/species/32504/9710439">https://www.iucnredlist.org/species/32504/9710439</a>	IUCN red list assessment
4. <i>D. melanoxylon</i>	<a href="http://www.biofund.org.mz/wp-content/uploads/2018/11/F1280.International-Trade-Inafrican-Blackwoodmartin-Jenkins-Sara-Oldfield-Tiffany-Ayle-Intradefbwod.pdf">http://www.biofund.org.mz/wp-content/uploads/2018/11/F1280.International-Trade-Inafrican-Blackwoodmartin-Jenkins-Sara-Oldfield-Tiffany-Ayle-Intradefbwod.pdf</a>	International trade in African blackwood
5. <i>D. melanoxylon</i>	<a href="https://www.researchgate.net/publication/295353043_Prevale_nce_and_standing_volume_of_Dalbergia_melanoxylon_in_c_oastal_and_inland_sites_of_Southern_Tanzania">https://www.researchgate.net/publication/295353043_Prevale_nce_and_standing_volume_of_Dalbergia_melanoxylon_in_c_oastal_and_inland_sites_of_Southern_Tanzania</a>	Prevalence and standing volume of <i>D. melanoxylon</i> in Lindi Region, Tanzania.
6. <i>D. melanoxylon</i>	<a href="https://www.academia.edu/29700114/Micropropagation_of_Dalbergia_melanoxylon_Guill._and_Perr._A_Threatened_Tree_Species">https://www.academia.edu/29700114/Micropropagation_of_Dalbergia_melanoxylon_Guill._and_Perr._A_Threatened_Tree_Species</a>	Micropropagation of <i>Dalbergia melanoxylon</i>
7. <i>D. spp.</i>	<a href="http://www.researchersworld.com/vol7/issue3/Paper_05.pdf">http://www.researchersworld.com/vol7/issue3/Paper_05.pdf</a>	Inefficiency of forestry regulations and management applicability on rosewood ( <i>Dalbergia. spp</i> ) exploitation in Madagascar
8. <i>D. spp.</i>	<a href="https://ec.europa.eu/environment/cites/pdf/reports/Overview%20of%20Dalbergia%20spp.%20from%20South%20and%20Central%20America.pdf">https://ec.europa.eu/environment/cites/pdf/reports/Overview%20of%20Dalbergia%20spp.%20from%20South%20and%20Central%20America.pdf</a>	This document provides basic overviews of relevant data for 69 species included in the genus <i>Dalbergia</i> that are distributed in South and Central America.
9. <i>D. spp</i>	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4573973/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4573973/</a>	Identification and conservation of rosewood species.
10. <i>D.spp</i>	<a href="https://www.researchgate.net/publication/304696766_DNA_Barcoding_of_Malagasy_Rosewoods_Towards_a_Molecular_Identification_of_CITES-Listed_Dalbergia_Species">https://www.researchgate.net/publication/304696766_DNA_Barcoding_of_Malagasy_Rosewoods_Towards_a_Molecular_Identification_of_CITES-Listed_Dalbergia_Species</a>	DNA barcoding of Malagasy Rosewoods: towards molecular identification of CITES listed <i>Dalbergia</i> species.
11. <i>D. spp</i>	<a href="http://www.jmest.org/wp-content/uploads/JMESTN42350358.pdf">http://www.jmest.org/wp-content/uploads/JMESTN42350358.pdf</a>	Ecological survey and genetic diversity of <i>Dalbergia</i> species in the north-eastern region of Madagascar
12. <i>D. retusa</i>	<a href="https://www.iucnredlist.org/species/32957/67799410">https://www.iucnredlist.org/species/32957/67799410</a>	IUCN red list assessment
13. Rosewood, <i>Pterocarpus/mukula</i> species	<a href="https://www.researchgate.net/publication/326827624_Mukula_rosewood_trade_between_China_and_Zambia_Key_messages">https://www.researchgate.net/publication/326827624_Mukula_rosewood_trade_between_China_and_Zambia_Key_messages</a>	Mukula (rosewood) trade between China and Zambia
14. Rosewood	<a href="https://www.traffic.org/site/assets/files/7279/precious-woods.pdf">https://www.traffic.org/site/assets/files/7279/precious-woods.pdf</a>	Review of trade in precious woods
15. <i>Millettia stuhlmannii</i> , <i>Swartzia madagascariensis</i> , <i>Pterocarpus angolensis</i>	<a href="https://www.trafficj.org/publication/07_Forestry_Governance_and_national.pdf">https://www.trafficj.org/publication/07_Forestry_Governance_and_national.pdf</a> <a href="https://www.trafficj.org/publication/17Timber-trade-East-Southern-Africa.pdf">https://www.trafficj.org/publication/17Timber-trade-East-Southern-Africa.pdf</a>	Policy, laws and regulations governing the management of forests resources in Tanzania. Forest Trade trends.

16. <i>D. nigra</i>	<a href="https://www.traffic.org/site/assets/files/7566/dalbergia-nigra-and-eu.pdf">https://www.traffic.org/site/assets/files/7566/dalbergia-nigra-and-eu.pdf</a>	EU trade in <i>D. nigra</i> and enforcement issues.
17. <i>D. nigra</i>	<a href="https://www.researchgate.net/publication/322298246_Technological_Solutions_toAuthenticity_Issues_in_International_Trade_The_Case_of_CITES_Listed_Endangered_Species">https://www.researchgate.net/publication/322298246_Technological_Solutions_toAuthenticity_Issues_in_International_Trade_The_Case_of_CITES_Listed_Endangered_Species</a>	Technological solutions to Authenticity Issues in International Trade.
18. <i>D. sissoo</i>	<a href="https://www.timbertradeportal.com/countries/indonesia/#legality-profile">https://www.timbertradeportal.com/countries/indonesia/#legality-profile</a>	<i>D. sissoo</i> and Indonesia. Forest governance profile.
19. <i>D. sissoo</i>	<a href="http://www.fao.org/3/ae910e/ae910e02.htm">http://www.fao.org/3/ae910e/ae910e02.htm</a>	<i>D. sissoo</i> in India.
20. <i>D. sissoo</i>	<a href="https://pdfs.semanticscholar.org/d470/a9ca58c0cf8c723e7fb164c6286158fae8e7.pdf">https://pdfs.semanticscholar.org/d470/a9ca58c0cf8c723e7fb164c6286158fae8e7.pdf</a>	<i>D. sissoo</i> 's monograph
21. <i>D. sissoo</i>	<a href="https://www.researchgate.net/publication/258510340_Research_on_shisham_Dalbergia_sissoo_Roxb_decline_in_Pakistan_-a_review">https://www.researchgate.net/publication/258510340_Research_on_shisham_Dalbergia_sissoo_Roxb_decline_in_Pakistan_-a_review</a>	A study shows the decline of <i>D. sissoo</i> in Pakistan.
22. <i>D. sissoo</i>	<a href="https://www.cabdirect.org/cabdirect/abstract/20143108161">https://www.cabdirect.org/cabdirect/abstract/20143108161</a>	A study carried out to identify the best rotation age of <i>Dalbergia sissoo</i> in plantation
23. <i>D. granadillo</i> , <i>D. retusa</i> , <i>D. stevensonii</i>	<a href="http://www3.cec.org/islandora/es/item/11701-sustainable-trade-in-timber-action-plan-north-america-en.pdf">http://www3.cec.org/islandora/es/item/11701-sustainable-trade-in-timber-action-plan-north-america-en.pdf</a>	This study provides an overview of species 'distribution, conservation status and trade and information on species management
24. <i>G. demeusei</i> , <i>G. tessmannii</i> , <i>G. ehie</i> , <i>Millettia laurentii</i>	<a href="https://www.itto.int/files/user/cites/cameroon/Background%20information-Bubinga%20and%20Weng%C3%A9%20in%20Africa.pdf">https://www.itto.int/files/user/cites/cameroon/Background%20information-Bubinga%20and%20Weng%C3%A9%20in%20Africa.pdf</a>	The report summarised basic information on Bubinga and Wenge' species in Africa, with reference to Cameroon.
25. <i>Pterocarpus macrocarpus</i> , <i>D. cochinchinensis</i> , <i>D. bariensis</i>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1389934118302648">https://www.sciencedirect.com/science/article/abs/pii/S1389934118302648</a>	Online media seizure reports to be used as tool to monitor CITES implementation in regulating international rosewood trade in three rosewood species found in Southeast Asia
26. <i>Pterocarpus angolensis</i>	<a href="https://www.sciencedirect.com/science/article/pii/S0378112701007745">https://www.sciencedirect.com/science/article/pii/S0378112701007745</a>	This study presents an assessment of the sustainability of harvest of this species in Tanzania
27. Siamese rosewood [ <i>D. olivieri</i> , <i>P. macrocarpus</i> )	<a href="https://www.researchgate.net/publication/323782913_Using_online_media-sourced_seizure_data_to_assess_the_illegal_wildlife_trade_in_Siamese_rosewood">https://www.researchgate.net/publication/323782913_Using_online_media-sourced_seizure_data_to_assess_the_illegal_wildlife_trade_in_Siamese_rosewood</a>	The study investigated the trade of Siamese rosewood in Thailand by using seizure records
28. Rosewood	<a href="https://www.unodc.org/documents/data-and-analysis/wildlife/Exsum_Wildlife_report_2016.pdf">https://www.unodc.org/documents/data-and-analysis/wildlife/Exsum_Wildlife_report_2016.pdf</a>	World wildlife crime report 2016
29. Rosewood	<a href="https://www.forest-trends.org/wp-content/uploads/imported/for173-china-rosewood-report-letter-16-0329-hr-no-crops-pdf.pdf">https://www.forest-trends.org/wp-content/uploads/imported/for173-china-rosewood-report-letter-16-0329-hr-no-crops-pdf.pdf</a>	China's Hongmu Consumption Boom: Analysis of the Chinese Rosewood Trade and Links to Illegal Activity in Tropical Forested Countries.
30. Rosewood	<a href="https://portals.iucn.org/library/sites/library/files/documents/Traf-146.pdf">https://portals.iucn.org/library/sites/library/files/documents/Traf-146.pdf</a>	Rosewood and Ebony Trade of Madagascar. A TRAFFIC report.
...add rows as needed.		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade Please tick one box	Comments	References <i>If applicable and available.</i>
1. <i>D. melanoxylon</i> & <i>Millettia laurentii</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	China vs Mozambique, Cameroon, Uganda and DRC: trade problems associated with forest governance	<a href="https://pubs.iied.org/pdfs/13579IIED.pdf">https://pubs.iied.org/pdfs/13579IIED.pdf</a>

	<input type="checkbox"/> Unknown		
2. <i>D. melanoxylon</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	<p>Levels of exploitation are very high and larger or suitably exploitable individuals are becoming increasingly scarce Lack of national data on species distribution and class size.</p> <p>While three nationwide bans on harvesting have been introduced since December 2003, it seems that the gov does give exceptions to some companies, whilst denying others, when the absence of clear knowledge over the status of the resource should apply to all companies.</p> <p>[Often we encountered situations where we get applications for timber originating from different forest reserves but full management documents are only available and submitted in Swahili].</p>	<a href="https://www.traffic.org/publication/07_Forest_Governance_and_national.pdf">https://www.traffic.org/publication/07_Forest_Governance_and_national.pdf</a> <a href="http://dx.doi.org/10.2305/IUCN.UK.1998.RLTS.T32504A9710439.en">http://dx.doi.org/10.2305/IUCN.UK.1998.RLTS.T32504A9710439.en</a>
3. <i>D. retusa</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	South America and Caribbean region	<a href="https://www.bbc.co.uk/news/world-latin-america-17062806">https://www.bbc.co.uk/news/world-latin-america-17062806</a> <a href="https://www.insightcrime.org/news/brief/nicaragua-timber-trafficking-major-problem-in-centams-largest-forest-reserve/">https://www.insightcrime.org/news/brief/nicaragua-timber-trafficking-major-problem-in-centams-largest-forest-reserve/</a>
4. <i>P. erinaceus</i>	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Most of the trade in <i>P. erinaceus</i> is considered to be illegal from Cote D'Ivoire, Gambia, Sierra Leone, Togo, Senegal	<a href="https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T62027797A62027800.en">https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T62027797A62027800.en</a>
5. <i>G. demeusei</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input checked="" type="checkbox"/> Unknown	Unknown: the UK SA noticed trade of this species from Ghana. However, online research has indicated this species does not occur in Ghana	
6. <i>Guibourtia spp.</i>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Illegal logging networks have impacted stocks of <i>Guibourtia</i> spp, particularly in Cameroon and Gabon	<a href="https://www.traffic.org/site/assets/files/7515/cites-cop17-analysis-of-proposals-1.pdf">https://www.traffic.org/site/assets/files/7515/cites-cop17-analysis-of-proposals-1.pdf</a>
...add rows as needed.			

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6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

Table 1 above contains a list of species traded by the UK between Jan 2017 to March 2020; references and hyperlinks cited in Table 2 were used by the UK Scientific Authority for Plants to make NDFs. We would suggest the use of the Plants of the World Online checklist, available on line at <http://www.plantsoftheworldonline.org/>, to be used as resource for taxonomy.

## United States of America

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)

2. Contact information

<b>a) Party, Organization, or Institution:</b>	United States of America
	Name      Laura Noguchi, Chief, Wildlife Trade and Conservation Branch, Division of Management Authority
<b>b) Contact:</b>	Phone
	Email     Laura_Noguchi@fws.gov
	Other

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>1</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

U.S. trade data below is for 2014-2018.

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <i>Dalbergia abrahamii</i>	Wood product	
2. <i>Dalbergia arbutifolia</i>	Wood product	
3. <i>Dalbergia assamica</i>	Wood product	
4. <i>Dalbergia bariensis</i>	Wood product	
5. <i>Dalbergia baronii</i>	Carving	
6. <i>Dalbergia baronii</i>	Sawn wood	
7. <i>Dalbergia baronii</i>	Veneer	
8. <i>Dalbergia baronii</i>	Wood product	
9. <i>Dalbergia cearensis</i>	Wood product	
10. <i>Dalbergia cearensis</i>	Sawn wood	
11. <i>Dalbergia cochinchinensis</i>	Wood product	
12. <i>Dalbergia decipularis</i>	Wood product	
13. <i>Dalbergia glomerata</i>	Scientific specimen	
14. <i>Dalbergia granadillo</i>	Scientific specimen	
15. <i>Dalbergia greveana</i>	Wood product	
16. <i>Dalbergia kingiana</i>	Wood product	
17. <i>Dalbergia latifolia</i>	Wood product	
18. <i>Dalbergia latifolia</i>	Veneer	
19. <i>Dalbergia latifolia</i>	Carving	
20. <i>Dalbergia latifolia</i>	Jewelry	
21. <i>Dalbergia latifolia</i>	Small leather product	
22. <i>Dalbergia latifolia</i>	Live specimen	
23. <i>Dalbergia madagascariensis</i>	Wood product	
24. <i>Dalbergia melanoxylon</i>	Wood product	
25. <i>Dalbergia melanoxylon</i>	Carving	
26. <i>Dalbergia melanoxylon</i>	Log and saw log	
27. <i>Dalbergia melanoxylon</i>	Sawn wood	
28. <i>Dalbergia melanoxylon</i>	Trim	

<sup>1</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

29. <i>Dalbergia melanoxylon</i>	Live specimen	
30. <i>Dalbergia nigra</i>	Veneer	
31. <i>Dalbergia nigra</i>	Wood product	
32. <i>Dalbergia nigra</i>	Carving	
33. <i>Dalbergia nigra</i>	Jewelry	
34. <i>Dalbergia nigra</i>	Sawn wood	
35. <i>Dalbergia nigra</i>	Seeds	
36. <i>Dalbergia nigra</i>	Trim	
37. <i>Dalbergia nigra</i>	Unspecified	
38. <i>Dalbergia odorifera</i>	Carving	
39. <i>Dalbergia odorifera</i>	Wood product	
40. <i>Dalbergia oliveri</i>	Wood product	
41. <i>Dalbergia pinnata</i>	Wood product	
42. <i>Dalbergia retusa</i>	Live specimen	
43. <i>Dalbergia retusa</i>	Sawn wood	
44. <i>Dalbergia retusa</i>	Veneer	
45. <i>Dalbergia retusa</i>	Wood product	
46. <i>Dalbergia retusa</i>	Carving	
47. <i>Dalbergia retusa</i>	Scientific specimen	
48. <i>Dalbergia retusa</i>	Log and saw log	
49. <i>Dalbergia retusa</i> x	Wood product	
D. <i>tucurensis</i>		
50. <i>Dalbergia sissoo</i>	Wood product	
51. <i>Dalbergia</i> species	Live specimen	
52. <i>Dalbergia</i> species	Wood product	
53. <i>Dalbergia</i> species	Chip of timber	
54. <i>Dalbergia</i> species	Jewelry	
55. <i>Dalbergia</i> species	Sawn wood	
56. <i>Dalbergia</i> species	Veneer	
57. <i>Dalbergia spruceana</i>	Wood product	
58. <i>Dalbergia stevensonii</i>	Live specimen	
59. <i>Dalbergia stevensonii</i>	Sawn wood	
60. <i>Dalbergia stevensonii</i>	Veneer	
61. <i>Dalbergia stevensonii</i>	Wood product	
62. <i>Dalbergia stevensonii</i>	Carving	
63. <i>Dalbergia stevensonii</i>	Scientific specimen	
64. <i>Dalbergia tucurensis</i>	Raw timber	
65. <i>Dalbergia tucurensis</i>	Sawn wood	
66. <i>Dalbergia tucurensis</i>	Scientific specimen	
67. <i>Dalbergia tucurensis</i>	Wood product	
68. <i>Guibourtia demeusei</i>	Wood product	
69. <i>Guibourtia demeusei</i>	Carving	
70. <i>Guibourtia demeusei</i>	Sawn wood	
71. <i>Guibourtia demeusei</i>	Small leather product	
72. <i>Guibourtia demeusei</i>	Veneer	
73. <i>Guibourtia demeusei</i>	Trim	
74. <i>Guibourtia</i> species	Wood product	
75. <i>Guibourtia tessmannii</i>	Sawn wood	
76. <i>Guibourtia tessmannii</i>	Wood product	
77. <i>Pterocarpus erinaceus</i>	Wood product	
78. <i>Pterocarpus santalinus</i>	Carving	
79. <i>Pterocarpus santalinus</i>	Medicinal	
80. <i>Pterocarpus santalinus</i>	Wood product	

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

Please see our response to question 4 at the end of the questionnaire.

"Rosewood" tree species	Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i>	Short description of the references provided
1.		
2.		
3.		
4.		
5.		
<i>...add rows as needed.</i>		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade <i>Please tick one box</i>	Comments	References <i>If applicable and available.</i>
1. <i>Dalbergia sissoo</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown	Wood is available from plantations in range countries and non-range countries, as well as naturalized populations in non-range countries.	ITTO; Global Invasive Species Database; Agroforest tree Database
2.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
<i>...add rows as needed.</i>			

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6. Please provide any additional information relevant to the development of the study on "rosewood tree species" as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

If funding can be identified to undertake the study called for in Decision 18.234, we hope that it will provide important information on any data gaps related to rosewood species currently included in the CITES Appendices and also identify additional rosewood that might warrant listing in the CITES Appendices. Additionally, we look forward to the development of a reference list of "rosewood tree species" in international trade, noting that "rosewood" is a common commercial name that covers hundreds of species, including numerous commercially valuable species.

With regard to the workshop called for in paragraph d) of Decision 18.234, we recommend that the Secretariat explore holding it as part of or in conjunction with the proposed 2nd international expert workshop on non-detriment findings called for in Decision 18.123.

4. For the "rosewood" species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

<b>“Rosewood” tree species</b>	<b>Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i></b>	<b>Short description of the references provided</b>
1. <i>Dalbergia latifolia</i>	<b>Dalbergia latifolia: The High-Valued Indian Rosewood</b>	Species fact sheet.
2. <i>Dalbergia latifolia</i>	<a href="https://www.winrock.org/factnet-a-lasting-impact/fact-sheets/dalbergia-latifolia-the-high-valued-indian-rosewood/Dalbergia%20latifolia">https://www.winrock.org/factnet-a-lasting-impact/fact-sheets/dalbergia-latifolia-the-high-valued-indian-rosewood/ <i>Dalbergia latifolia</i></a>	Species fact sheet.
3. <i>Dalbergia melanoxylon</i>	Plant Resources of Tropical Africa <a href="https://uses.plantnet-project.org/en/Dalbergia_latifolia_(PROTA)">https://uses.plantnet-project.org/en/Dalbergia_latifolia_(PROTA)</a> African Blackwood Conservation Project	Species fact sheet.
4. <i>Dalbergia nigra</i>	<a href="https://www.blackwoodconservation.org/the-tree/">https://www.blackwoodconservation.org/the-tree/</a> <b>Trade in Dalbergia nigra and the European Union.</b> Taylor, V., K. Kecse-Nagy and T. Osbom. II01II. TRAFFIC.	Trade analysis of <i>Dalbergia nigra</i> to the EU.
5. <i>Dalbergia nigra</i>	<a href="https://ec.europa.eu/environment/cites/pdf/Dalbergia%20Report_FIN%20II010%20II01II%20II01II.pdf">https://ec.europa.eu/environment/cites/pdf/Dalbergia%20Report_FIN%20II010%20II01II%20II01II.pdf</a> <b>Phylogeography of the endangered rosewood <i>Dalbergia nigra</i> (Fabaceae): insights into the evolutionary history and conservation of the Brazilian Atlantic Forest.</b> Riberio, R. et al., II01I.	Population diversity, phylogeographic structure and demographic history of <i>Dalbergia nigra</i> .
6. <i>Dalbergia nigra</i>	<a href="https://www.nature.com/articles/hdy101064.pdf">https://www.nature.com/articles/hdy101064.pdf</a> Wood identification of <i>Dalbergia nigra</i> (CITES Appendix I) using quantitative wood anatomy, principal components analysis and naïve Bayes classification. Peter Gasson, et al., II010	Wood identification of <i>Dalbergia nigra</i> .
7. <i>Dalbergia nigra</i>	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1794071/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1794071/</a> Evaluation of genetic diversity in a natural rosewood population ( <i>Dalbergia nigra</i> Vell. Allemão ex Benth.) using RAPD markers, F.S. Juchum, J.B. Leal, L.M. Santos, M.P. Almeida, D. Ahnert and R.X. Corrêa. II007.	Genetic diversity of <i>Dalbergia nigra</i> .
8. <i>Dalbergia oliveri</i>	<a href="https://geneticsmr.com/yearII007/vol6-3/pdf/gmr03II5.pdf">https://geneticsmr.com/yearII007/vol6-3/pdf/gmr03II5.pdf</a> Myanmar’s Rosewood Crisis: Why key species and forests must be protected through CITES. EIA. II014b.	Myanmar’s rosewood trade to China.
9. <i>Dalbergia oliveri</i>	<a href="https://eia-international.org/wp-content/uploads/Myanmars-rosewood-crisis-FINAL.pdf">https://eia-international.org/wp-content/uploads/Myanmars-rosewood-crisis-FINAL.pdf</a> Comparison of RAPD and ISSR markers for assessment of genetic diversity among endangered rare <i>Dalbergia oliveri</i> (Fabaceae) genotypes in Vietnam. D.T. Phong, V.T.T. Hien, T.T.V. Thanh and D.V. Tang. II011.	Genetic diversity of <i>Dalbergia oliveri</i> in Vietnam.
10. <i>Dalbergia oliveri</i>	<a href="https://www.researchgate.net/profile/Thanh_Tran58/publication/517194II8_Comparison_of_RAPD_and_ISSR_markers_for_assessment_of_genetic_diversity_among_endangered_rare_Dalbergia_oliveri_Fabaceae_genotypes_in_Vietnam/links/5763505408ae570d6e15c45c.pdf">https://www.researchgate.net/profile/Thanh_Tran58/publication/517194II8_Comparison_of_RAPD_and_ISSR_markers_for_assessment_of_genetic_diversity_among_endangered_rare_Dalbergia_oliveri_Fabaceae_genotypes_in_Vietnam/links/5763505408ae570d6e15c45c.pdf</a> Pure and mixed forest plantations with native species of the dry tropics of Costa Rica: a comparison of growth and productivity. Daniel Piotto et al. II003.	<i>Dalbergia oliveri</i> plantation study in Costa Rica.
	<a href="https://www.sciencedirect.com/science/article/abs/pii/S037811II703005140">https://www.sciencedirect.com/science/article/abs/pii/S037811II703005140</a>	

11. <i>Dalbergia oliveri</i> and <i>D. cochinchinensis</i>	Population genetic structure of the endemic rosewoods <i>Dalbergia cochinchinensis</i> and <i>D. oliveri</i> at a regional scale reflects the Indochinese landscape and life-history traits. Hartvig, I. et al. II017.	Population genetic structure of <i>Dalbergia cochinchinensis</i> and <i>D. oliveri</i> .
	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.3616">https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.3616</a>	
12. <i>Dalbergia retusa</i> and other rosewood spp.	China's Hongmu Consumption Boom: Analysis of the Chinese Rosewood Trade and Links to Illegal Activity in Tropical Forested Countries. Treanor, N.B. II015.	Trends in Chinese rosewood trade from II000 to II014.
	<a href="https://www.forest-trends.org/wp-content/uploads/imported/for173-china-rosewood-report-letter-16-03II9-hr-no-crops-pdf.pdf">https://www.forest-trends.org/wp-content/uploads/imported/for173-china-rosewood-report-letter-16-03II9-hr-no-crops-pdf.pdf</a>	
13. <i>Dalbergia retusa</i>	<b><i>Dalbergia retusa</i></b> Microscopy: Technical Information Sheet	Wood Characteristics
	<a href="https://www.si.edu/mci/english/professional_development/past_courses_programs/programs/dalbergia_retusa.html">https://www.si.edu/mci/english/professional_development/past_courses_programs/programs/dalbergia_retusa.html</a>	
14. <i>Dalbergia sissoo</i>	<b><i>Dalbergia sissoo</i></b> ITTO  <a href="http://www.tropicaltimber.info/specie/sonosissoo-dalbergia-sissoo/">http://www.tropicaltimber.info/specie/sonosissoo-dalbergia-sissoo/</a>	Species fact sheet.
	<b><i>Dalbergia sissoo</i></b> Indian Rosewood Gilman, E. and D.G. Watson. 1993. <b><i>Dalbergia sissoo</i></b>	Horticulture use of this species in the United States.
15. <i>Dalbergia sissoo</i>	<a href="http://hort.ufl.edu/trees/DAL SISA.pdf">http://hort.ufl.edu/trees/DAL SISA.pdf</a> <b><i>Dalbergia sissoo</i></b> Purdue University, USA. 1996. CropSEARCH Online Program	Species fact sheet.
	<a href="https://hort.purdue.edu/newcrop/duke_energy/Dalbergia_sissoo.html">https://hort.purdue.edu/newcrop/duke_energy/Dalbergia_sissoo.html</a>	
16. <i>Dalbergia sissoo</i>	Agroforestry Database: a tree reference and selection guide. Orwa C., A. Mutua, R. Kindt, R. Jamnadass, S. Anthony. II009.	Database of species reference and selection guide for agroforestry trees.
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	<a href="http://www.iucnigisd.org/gisd/">http://www.iucnigisd.org/gisd/</a>	
18. <i>Dalbergia sissoo</i>	<b>The Use of DNA Barcoding in Identification and Conservation of Rosewood (<i>Dalbergia</i> spp.).</b> Hartvig, I., et al. II015.	Use of DNA barcoding to support conservation efforts of <i>Dalbergia</i> species in Southeast Asia.
	<a href="https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0138131">https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0138131</a>	
19. <i>Dalbergia</i> spp.	The Rosewood Trade: An Illicit Trail from Forest to Furniture. Ong, S. & Carver, E. II019.	Rosewood trade.
	<a href="https://e360.yale.edu/features/the-rosewood-trade-the-illicit-trail-from-forest-to-furniture">https://e360.yale.edu/features/the-rosewood-trade-the-illicit-trail-from-forest-to-furniture</a>	

21. <i>Dalbergia</i> spp	Analysis of Select <i>Dalbergia</i> and Trade Timber Using Direct Analysis in Real Time and Time-of-Flight Mass Spectrometry for CITES Enforcement. Lancaster, C. and Espinoza, E. II01II. Rapid Communications in Mass Spectrometry. Vol. II6(9) pp. 1147-1156.	Use of DART TOFMS to analyze wood to determine <i>Dalbergia</i> species identification.
22. <i>Dalbergia</i> spp	Metabolome chemotypes of CITES protected <i>Dalbergia</i> timbers from Africa, Madagascar and Asia. P.J. McClure, G.D. Chavarria and E.O. Espinoza. II015. Rapid Communications in Mass Spectrometry. Vol. II9, pp.783-788. <a href="https://www.researchgate.net/publication/II74098II63_Metabolic_chemotypes_of_CITES_protected_Dalbergia_timbers_from_Africa_Madagascar_and_Asia">https://www.researchgate.net/publication/II74098II63_Metabolic_chemotypes_of_CITES_protected_Dalbergia_timbers_from_Africa_Madagascar_and_Asia</a>	Use of DART TOFMS for making phytochemical classifications of <i>Dalbergia</i> spp.
23. <i>Dalbergia</i> spp	Forensic Analysis of CITES Protected <i>Dalbergia</i> Timber from the Americas. E.O. Espinoza, M.C. Wiemann, J. Barajas-Morales, G.D. Chavarria, and P.J. McClure II015. International Association of Wood Anatomists Journal. Vol. 36 (3), pp. 311-315.	Use of DART TOFMS to analyze wood to determine <i>Dalbergia</i> species identification.
24. <i>Guibourtia demeusei</i>	<b>Guibourtia demeusei (Harms) J Léonard [family Leguminosae-Caesalpinoideae]</b> Burkill, H.M. 1985.  <a href="https://plants.jstor.org/stable/10.5555/al.ap.upwta.3_II05">https://plants.jstor.org/stable/10.5555/al.ap.upwta.3_II05</a> .	Species information.
25. <i>Guibourtia demeusei</i>	<i>Guibourtia demeusei</i> African Plant Database  <a href="http://www.ville-ge.ch/musinfo/bd/cjb/africa/details.php?langue=an&amp;id=61733">http://www.ville-ge.ch/musinfo/bd/cjb/africa/details.php?langue=an&amp;id=61733</a>	Species fact sheet.
26. <i>Guibourtia tessmannii</i>	<b>Characterization of animal communities involved in seed dispersal and predation of <i>Guibourtia tessmannii</i> (Harms) J.Léonard, a species newly listed on Appendix II of CITES</b> Tosso, F. et. Al., II017.  <a href="https://www.researchgate.net/profile/">https://www.researchgate.net/profile/</a>	Animal seed dispersal of <i>Guibourtia tessmannii</i> .
27. <i>Guibourtia tessmannii</i>	Microsatellite development of the genus <i>Guibourtia</i> (Fabaceae, Caesalpinoideae) reveals diploid and polyploid species. Tosso, F. et. Al., II016.  <a href="https://bsapubs.onlinelibrary.wiley.com/doi/full/10.373II/app.16000II9">https://bsapubs.onlinelibrary.wiley.com/doi/full/10.373II/app.16000II9</a>	Genetic study of the genus <i>Guibourtia</i> .
28. <i>Pterocarpus chrysotrich</i> and <i>P. tinctorius</i>	Mukula (rosewood) trade between China and Zambia. Cerutti, P. et. al. II018.  <a href="http://www.cifor.org/publications/pdf_files/infobrief/6880-infobrief.pdf">http://www.cifor.org/publications/pdf_files/infobrief/6880-infobrief.pdf</a>	Rosewood trade between China and Zambia.

### Wood Geographic Wechat public platform

1. Please complete and submit this questionnaire to the Secretariat by 11 April 2020 to [isabel.camarena@un.org](mailto:isabel.camarena@un.org)
2. Contact information

<b>a) Party, Organization, or Institution:</b>	Wood Geographic Wechat public platform		
<b>b) Contact:</b>	Name	<a href="#">Xiao Di (English name: Wallace)</a>	
	Phone	<a href="#">+86-18721208330, 15610142621</a>	
	Email	<a href="mailto:320750793@qq.com">320750793@qq.com</a> <a href="mailto:wallaceline0229@gmail.com">wallaceline0229@gmail.com</a>	
	Other		

Decision 18.234, paragraph a) i)

3. Please provide a list of species traded (exported, re-exported or imported) by your country under the common commercial name “rosewood”<sup>2</sup>, and for each of these, specify the type of specimens reported in trade, as well as their listing status in the Appendices (if applicable).

<b>Tree species commercially known as “Rosewood” Specify the scientific name</b>	<b>Specimens reported in trade as “rosewood” E.g. logs, sawn wood, veneer sheets, plywood, or other (specify)</b>	<b>Listing in the CITES Appendices Specify whether: Appendix I, Appendix II, Appendix III, or non-listed</b>
1. <a href="#">Guibourtia coleosperma</a>	<input checked="" type="checkbox"/> logs <input type="checkbox"/> sawnwood <input type="checkbox"/> semi-products	<a href="#">Non-list species</a> <input type="checkbox"/> but very similar To 3 endangered <a href="#">Guibourtia</a> species
2.		
3.		
4.		
5.		
<i>...add rows as needed</i>		

Decision 18.234, paragraph a) ii)

4. For the “rosewood” species mentioned above, please provide any information or reference relevant to any of the following: biology; population and conservation status; management; use; and, trade (whether national or international).

<b>“Rosewood” tree species</b>	<b>Reference or hyperlink <i>If possible, provide any reference material as an attachment to this questionnaire</i></b>	<b>Short description of the references provided</b>
1. <a href="#">Guibourtia coleosperma</a>	<a href="https://www.namibian.com.na/87676/read/Namibia-to-export-60-000-tonnes-of-timber">https://www.namibian.com.na/87676/read/Namibia-to-export-60-000-tonnes-of-timber</a>  <a href="https://oxpeckers.org/2017/02/xuecheng-hou-and-timber/">https://oxpeckers.org/2017/02/xuecheng-hou-and-timber/</a>  <a href="https://www.namibian.com.na/186354/archive-read/Timber-exports-to-China-escalate">https://www.namibian.com.na/186354/archive-read/Timber-exports-to-China-escalate</a>	<a href="#">Since the year 2010, much volume wood of this Guibourtia species have been exported from Zambia, Namibia, Angola to China and Vietnam</a>

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<sup>2</sup> For reference, see taxa listed in the Appendices under the family LEGUMINOSAE (Fabaceae), as well as the genera mentioned in Decision 18.234, paragraph a) i), i.e.: *Caesalpinia*, *Cassia*, *Dalbergia*, *Dicorynia*, *Guibourtia*, *Machaerium*, *Millettia*, *Pterocarpus* and *Swartzia*.

	many many, as search google news on keywords: Namibia timber	
2.		
3.		
4.		
5.		
...add rows as needed.		

Decision 18.234, paragraph a) iii)

5. Please provide any information relevant to the effects of international trade of wild populations of the rosewood species mentioned in paragraphs 3 and 4 above.

Rosewood tree species	Effects of international trade Please tick one box	Comments	References If applicable and available.
1. <i>Guibourtia coleosperma</i>	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown	Since the year 2010, much volume wood of this Guibourtia species have been exported from Zambia, Namibia, Angola to China and Vietnam. Estimated at least 10000 m <sup>3</sup> per year in recent 3 years.	
2.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
3.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
4.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
5.	<input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Unknown		
...add rows as needed.			

Decision 18.235

6. Please provide any additional information relevant to the development of the study on “rosewood tree species” as per paragraph a) of Decision 18.234, as well as in preparation of the international workshop called for in paragraph d) of Decision 18.234 (including aspects related to securing external resources).

*Guibourtia coleosperma* has much similarity with the three endangered *Guibourtia* species, not only wood general properties, but also anatomical features. The classical and most effective method of wood identification is to observe the microstructures of thin sections under a microscope to distinguish the species or genus of wood. However, there are about 15 species of *Guibourtia* genus, some of which are different in macroscopic features, but are similar in microscopic characteristics. Only three species with natural distribution in

Equatorial Africa began to implement international trade controls on endangered species in early 2017.

Early this year, there are several containers of *Guibourtia coleosperma*(Mussivi rosewood) was seized in Malaysia and Singapore as they are exporting from zambia to vietnam. The local authority in these SE country regarded the confiscated cargo as endangerd *Guibourtia* species.

So I hope PC can list *Guibourtia coleosperma* in Appendix II with annotation #15, because the trade volume is farely huge as it is the best substitue of 3 endangered *Guibourtia* species.





- ***Guibourtia coleosperma***

- květy drobné, bílé, vonné (XI-III)
- plody skvrnité nebo černé s 1 semenem
- dřevo krémové barvy, červeně žíhané, tvrdé, trvanlivé, vonné

