

Overview of *Dalbergia* spp. from South and Central America

A basic review

(Version edited for public release)

Overview of *Dalbergia* spp. from South and Central America - a basic review

Prepared for

The European Commission, Directorate General Environment, Directorate E - Global & Regional Challenges, LIFE ENV.E.2. – Global Sustainability, Trade & Multilateral Agreements, Brussels, Belgium

Prepared November 2015

Citation

UNEP-WCMC. 2015. Overview of *Dalbergia* spp. from South and Central America- a basic review. UNEP-WCMC, Cambridge.

Copyright

European Commission 2015

The UNEP World Conservation Monitoring Centre (UNEP-WCMC) is the specialist biodiversity assessment of the United Nations Environment Programme, the world's foremost intergovernmental environmental organization. The Centre has been in operation for over 30 years, combining scientific research with policy advice and the development of decision tools.

We are able to provide objective, scientifically rigorous products and services to help decision-makers recognize the value of biodiversity and apply this knowledge to all that they do. To do this, we collate and verify data on biodiversity and ecosystem services that we analyze and interpret in comprehensive assessments, making the results available in appropriate forms for national and international level decision-makers and businesses. To ensure that our work is both sustainable and equitable we seek to build the capacity of partners where needed, so that they can provide the same services at national and regional scales.

The contents of this report do not necessarily reflect the views or policies of UNEP, contributory organisations or editors. The designations employed and the presentations do not imply the expressions of any opinion whatsoever on the part of UNEP, the European Commission or contributory organisations, editors or publishers concerning the legal status of any country, territory, city area or its authorities, or concerning the delimitation of its frontiers or boundaries. The mention of a commercial entity or product in this publication does not imply endorsement by UNEP.



UNEP World Conservation Monitoring Centre

(UNEP-WCMC)

219 Huntingdon Road,
Cambridge CB3 0DL, UK

Tel: +44 1223 277314

www.unep-wcmc.org

UNEP promotes environmentally sound practices globally and in its own activities. Printing on paper from environmentally sustainable forests and recycled fibre is encouraged.

Table of Contents

- Introduction 1
- Overview of the genus *Dalbergia* - trade 2
 - Table 1: Summary and recommendation for *Dalbergia*..... **Error!**
Bookmark not defined.
 - Table 2: Overview of all *Dalbergia* species from South and Central America..... 3
- References 11

Introduction

As a major importer of wildlife, the EU is considering potential engagement with range States to support their preparation for the upcoming CITES CoP17. Species of the genus *Dalbergia* found in South and Central America were considered to warrant further assessment, as to whether further action may be required for the genus as a whole or for individual species. This document provides an overview of the various species in this genus to assist with this assessment.

This document provides basic overviews of relevant data for 69¹ species included in the genus *Dalbergia* that are distributed in South and Central America. The information is based primarily on the IUCN Red List assessments, where available. Member States are invited to consider whether these taxa may merit further consideration for the upcoming CoP17.

There are around 250 trees and shrubs in the genus *Dalbergia*, with 61 currently listed in the CITES Appendices; these are predominantly populations of *Dalbergia* species found in Madagascar which are listed in Appendix II. In addition, the populations of eight species of *Dalbergia* from South and Central America are listed in the CITES Appendices. Currently, one species, *D. nigra*, listed in CITES Appendix I on 11/06/1992, and the logs, sawn wood, veneer sheets and plywood of *D. granadillo*, *D. retusa*, *D. stevensonii* were listed in Appendix II on 12/06/2013. In addition, Panama listed its populations of *D. darienensis* in Appendix III (12/06/2013); Nicaragua listed *D. tucurensis* in Appendix III (24/06/2014); and Guatemala listed its populations of *D. calycina* and *D. cubilquitzensis*, *D. glomerata* and *D. tucurensis* in Appendix III on 05/02/2015.

Mexico has recently assessed the status of their native *Dalbergia* species, which has resulted in the identification of 15 species for further national action, including protection under national legislation (Pc22 Doc. 22.4). Mexico also made recommendations to the CITES Plants Committee for the evaluation of lookalike species from the genus, due to the difficulty that differentiation of CITES-listed and non-listed *Dalbergia* species presents for implementation of the Convention (Pc22 Doc. 22.4), a problem also noted by other Parties in the region (Pc22 Doc. 17.2).

¹ Species selected according to www.tropicos.com and Vaglica (2014). One species, *Dalbergia sissoo*, is listed as occurring in Honduras but is native to India and Afghanistan, so these records are likely to reflect plantations rather than native distribution. For these reasons *D. sissoo* has been omitted from this overview.

Overview of the genus *Dalbergia* - trade

The timber of several *Dalbergia* species is highly prized in domestic and international trade for the production of furniture and musical instruments, and is often given the trade name of 'rosewood' due to its fragrant wood (Bergamino, 2013). Many species of *Dalbergia* are shrubs or vines and it has been reported that there is little trade in these species from South and Central America (PC22 Doc. 17.2).

Between 2004 and 2013, EU importers reported trade in *D. nigra*, *D. retusa*, and *D. stevensonii* from South and Central America, in with trade in every year from 2006 onwards. Virtually all importer-reported trade was in sawn timber for commercial purposes. The primary exporters were Guatemala (*D. stevensonii*), Belize (*D. stevensonii*) and Brazil (*D. nigra*) with exports of *D. retusa* from Costa Rica reported only for personal purposes. All trade in CITES-listed *Dalbergia* spp. from the region to the EU was reported imported by the UK, Germany or Spain. Between 2004 and 2013 exports from South and Central America to the rest of the world were reported in *D. granadillo*, *D. nigra*, *D. retusa*, *D. stevensonii* and *Dalbergia* spp., with trade occurring in every year except 2005 and 2006. Commercial trade was predominantly in timber with some additional commercial trade in veneers and carvings of *D. nigra*.

Further details on the distribution, conservation status, exploitation levels and other relevant information for *Dalbergia* species occurring in South and Central America are provided in Table 1.

Table 1: Overview of all *Dalbergia* species from South and Central America

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia acuta</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia agudeloii</i>	El Salvador, Guatemala, Honduras, Nicaragua	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in El Salvador, Nicaragua or Guatemala. No information found for Honduras.
<i>Dalbergia altissima</i>	Venezuela	No IUCN assessment	No information found	Not CITES-listed (no trade data available)	No current suspensions or opinions	No information found.
<i>Dalbergia amazonica</i>	Brazil, French Guiana, Guyana, Venezuela	No IUCN assessment	Shrub	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil or French Guiana. No information for other range States found.
<i>Dalbergia brasiliensis</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed. Brazil reported 0.22 m ³ of timber exports to Spain in 2013 (PC22 Doc. 17.2 Annex 1).	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia brownei</i>	Belize, Caribbean, Costa Rica, Ecuador, El Salvador, Honduras, Mexico, Panama, USA, Venezuela	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in El Salvador or Panama. No information for other range States found.
<i>Dalbergia calderonii</i>	Belize, El Salvador, Nicaragua, Guatemala, Honduras, Mexico	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Listed in official list of threatened plants of El Salvador. Not listed in Guatemala. No information for other range States found.
<i>Dalbergia calycina</i>	Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua	Least Concern Reported as rare in Nicaragua but not specifically threatened elsewhere	Tree	Population of Guatemala listed on Appendix III in 2015. No trade data available but exports from Guatemala reported in 2014 (PC22 Doc. 17.2).	No current suspensions or opinions	Not listed as a protected species in El Salvador, Guatemala or Nicaragua. No information for other range States found.
<i>Dalbergia cattingicola</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia cearensis</i> (Kingwood)	Brazil	No IUCN assessment	Tree	Not CITES-listed. Brazil reported exports of 178.6 m ³ of timber between 2010 and 2015, mainly to China and Japan (PC22 Doc. 17.2) Important timber species for fine furniture and veneer (Grandtner and Chevrette, 2013 in Vaglica, 2014).	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia chontalensis</i>	El Salvador, Guatemala, Nicaragua	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in any range state.
<i>Dalbergia congestiflora</i>	El Salvador, Mexico	No IUCN assessment		Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in El Salvador. Listed as Endangered by Mexico (PC22 Doc. 22.4).
<i>Dalbergia cubilquitzensis</i>	Belize, Guatemala, Mexico	No IUCN assessment	Tree	Population of Guatemala listed on Appendix III in 2015. No trade data available but exports from Guatemala reported in 2014 (PC22 Doc. 17.2).	No current suspensions or opinions	Not listed as a protected species in Guatemala. No information for other range States found.
<i>Dalbergia cucullata</i>	Venezuela	No IUCN assessment		Not CITES-listed (no trade data available)	No current suspensions or opinions	No information found.
<i>Dalbergia cuiabensis</i>	Bolivia, Brazil	No IUCN assessment	Shrub	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information for Bolivia found.
<i>Dalbergia cuscatlanica</i>	Costa Rica, El Salvador, Guatemala, Panama, Mexico	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in El Salvador, Panama or Guatemala. No information for other range States found.
<i>Dalbergia darienensis</i>	Panama	No IUCN assessment	Tree	Population of Panama listed on Appendix III in 2013. No trade as yet reported.	No current suspensions or opinions	Listed in official list of threatened plants of Panama.
<i>Dalbergia debilis</i>	Peru	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	All <i>Dalbergia</i> spp. protected by forestry law in Peru.
<i>Dalbergia decipularis</i> (Brazilian tulipwood)	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available). Timber used for furniture and musical instruments (Grandtner and Chevrette, 2013 in Vaglica, 2014)	No current suspensions or opinions	Not listed as a protected species in Brazil.

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia densiflora</i>	Brazil	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia ecastaphyllum</i>	Belize, Brazil, Caribbean, Colombia, Costa Rica, French Guiana, Guyana, Guatemala, Honduras, Mexico, Panama, Paraguay, Peru, Suriname, USA, Venezuela	No IUCN assessment	Tree	Not CITES-listed (no trade data available). Bark, flowers and seed used medicinally (Grandtner and Chevrette, 2013 in Vaglica, 2014)	No current suspensions or opinions	Not listed as a protected species in Brazil, French Guiana, Panama or Guatemala. All <i>Dalbergia</i> spp. protected by forestry law in Peru. No information for other range States found.
<i>Dalbergia elegans</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia enneaphylla</i>	Venezuela	No IUCN assessment	No information found	Not CITES-listed (no trade data available)	No current suspensions or opinions	No information found.
<i>Dalbergia ernest-ulei</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia foliolosa</i>	Bolivia, Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information for Bolivia found.
<i>Dalbergia foliosa</i>	Bolivia, Brazil, French Guiana, Guyana, Suriname, Venezuela,	No IUCN assessment	Tree	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil or French Guiana. No information for other range States found.
<i>Dalbergia frutescens</i> (Tulipwood)	Argentina, Bolivia, Brazil, Colombia, Costa Rica, Guyana, Ecuador, Paraguay, Peru, Venezuela	No IUCN assessment	Shrub	Not CITES-listed. Brazil reported total exports of 31.27 m ³ between 2012 and 2014 (importers: Canada, Spain and Turkey) (PC22 Doc. 17.2 Annex 1.). Timber for furniture and veneers (Grandtner and Chevrette, 2013 in Vaglica, 2014). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information for other range States found.
<i>Dalbergia funera</i> (Funera)	El Salvador, Guatemala	Data Deficient but was thought to be threatened by habitat loss and logging for timber.	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Listed in official list of threatened plants of El Salvador but not in Guatemala.

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia glabra</i>	Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in El Salvador or Guatemala. No information for other range States found.
<i>Dalbergia glandulosa</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia glaucescens</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia glaziovii</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia glomerata</i>	Costa Rica, Guatemala, Mexico	Vulnerable with a stable population trend Considered rare with a decline of at least 50% due to habitat loss and trade.	Tree	Population of Guatemala listed on Appendix III in 2015. (no trade data available). Timber used for furniture and general construction (IUCN, 2015)	No current suspensions or opinions	Not listed as a protected species in Guatemala. No information for other range States found.
<i>Dalbergia gracilis</i>	Bolivia, Brazil	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information for Bolivia found.
<i>Dalbergia granadillo</i>	El Salvador, Mexico	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed but 32.15 m ³ pre- convention timber traded by Panama to RoW in 2013.	Proposed for inclusion as look-alike as timber cannot be distinguished from <i>D. retusa</i> (CoP 16. Prop 61.)	Not listed as a protected species in El Salvador. Listed as Endangered by Mexico (PC22 Doc. 22.4).
<i>Dalbergia grandistipula</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia guttembergii</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia hiemalis</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia hortensis</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia hygrophila</i>	Brazil, Venezuela	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information for Venezuela found.
<i>Dalbergia intermedia</i>	Brazil, Guyana, Venezuela	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information for other range States found.
<i>Dalbergia intibucana</i>	Honduras	Critically Endangered but some debate over nomenclature	No information found	Not CITES-listed (no trade data available)	No current suspensions or opinions	No information found.
<i>Dalbergia inundata</i>	Brazil, Guyana, Peru, Venezuela	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil. All <i>Dalbergia</i> spp. protected by forestry law in Peru. No information for other range States found.
<i>Dalbergia iquitosensis</i>	Brazil, Peru	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil. All <i>Dalbergia</i> spp. protected by forestry law in Peru.
<i>Dalbergia lanceolaria</i>	Honduras	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	No information found.
<i>Dalbergia lateriflora</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia longepedunculata</i>	Honduras, Mexico	No IUCN assessment	Tree, 6-10 m tall (Linares and Sousa, 2011)	Not CITES-listed (no trade data available)	No current suspensions or opinions	No information found.
<i>Dalbergia luteola</i>	Guatemala, Mexico	No IUCN assessment	Tree, up to 8 m (Linares and Sousa, 2011)	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Guatemala. No information for other range States found.
<i>Dalbergia melanocardium</i>	Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in El Salvador, Nicaragua or Guatemala. No information for other range States found.
<i>Dalbergia miscolobium</i> (<i>Jacaranda-do-cerrado</i>)	Brazil, Bolivia	No IUCN assessment. Endemic and widespread in the Cerrado (Novaes <i>et al.</i> , 2013).	Tree or shrub	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information found for Bolivia.

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia monetaria</i>	Belize, Bolivia, Brazil, Caribbean, Colombia, Costa Rica, Ecuador, French Guiana, Guatemala, Guyana, Honduras, Mexico, Panama, Peru, Suriname, USA, Venezuela	Least Concern, stable population trend. Not known to be threatened or in decline	Tree	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil, French Guiana, Panama or Guatemala. All <i>Dalbergia</i> spp. protected by forestry law in Peru. No information for other range States found.
<i>Dalbergia monophylla</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia negrensis</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia nigra</i> (<i>Jacaranda</i> , <i>Pianowood</i> , <i>Brazilian</i> <i>rosewood</i>)	Brazil	Vulnerable. Considered as one of the most endangered species of the <i>Dalbergia</i> genus (de Carvalho, 1997).	Tree, reaching heights of 38 m (Farmer, 1972; Chudnoff, 1984).	Listed in CITES Appendix I in 1992. EU: small amount of confiscated, pre-convention, and wild products 2004-2013 from Brazil (3.5 m ² timber), and China, Monaco, Switzerland, USA (all carvings). ROW: importers reported direct trade between 2004-2013 from Brazil (446 kg confiscated carvings in 2011), and non-range States (Argentina, Canada, Denmark, France, Germany, Spain, UK, USA), as well as products from unknown and "various" origins.	No current suspensions or opinions	Listed in official list of threatened plants of Brazil.
<i>Dalbergia nitida</i>	Bolivia	No IUCN assessment		Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	No information found.

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia retusa</i> (Cocobolo)	Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama	Vulnerable, no population trend data available but logging for timber is intense. Populations in Costa Rica and Panama considered threatened (PC20 Doc 19.1 Annex 3)	Tree	Listed in Appendix II in 2013. EU: No or very little importer- reported direct trade from any range States. ROW: Wild-sourced in 2008 (15 m ³ by Guatemala) and 2013 (43.68 m ³ by Costa Rica, 37 m ³ by El Salvador, 4.419 m ³ by Mexico, 204.051 m ³ by Nicaragua, and 1704.74 m ³ by Panama). Also some pre-convention trade in 2012 (100,000 kg from Panama) and 2013 (51.16 m ³ from Panama and 31.23 m ³ from El Salvador)	No current suspensions or opinions	Listed in official list of threatened species of Panama, Guatemala, Costa Rica and Honduras. All trade from Honduras is banned (CoP16 Prop. 61). Considered a low priority in Forest Action Plan of Nicaragua (CoP16 Prop. 61). No information for other range States found.
<i>Dalbergia revoluta</i>	Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia riedelii</i>	Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Peru, Suriname, Venezuela	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil or French Guiana. No information for other range States found.
<i>Dalbergia riparia</i>	Bolivia, Brazil, Ecuador, Peru	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed (no trade data available). Wood of some economic importance in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil. All <i>Dalbergia</i> spp. protected by forestry law in Peru. No information for other range States found.
<i>Dalbergia ruddiae</i>	Costa Rica, Mexico	No IUCN assessment	Tree up to 25 m tall (Linares and Sousa, 2011)	Not CITES-listed (no trade data available)	No current suspensions or opinions	No information found.
<i>Dalbergia salvanaturae</i>	El Salvador	No IUCN assessment	Tree up to 10 m tall (Linares and Sousa, 2011)	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in El Salvador.
<i>Dalbergia sampaioana</i>	Brazil	No IUCN assessment	Shrub, non-climbing	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Brazil.
<i>Dalbergia simpsonii</i>	Peru	Vulnerable. Known only from the 1968 type specimen.	No information found	Not CITES-listed (no trade data available)	No current suspensions or opinions	All <i>Dalbergia</i> spp. protected by forestry law in Peru.

Scientific name (Common name)	Distribution (from www.tropicos.org accessed 06/11/15)	Population status and trends (from IUCN (2015) unless stated)	Biology (from Roskov <i>et al.</i> , 2014, unless stated)	CITES listing and trade data	Previous CITES/EU discussions	Protection status
<i>Dalbergia spruceana</i>	Bolivia, Brazil, Venezuela	No IUCN assessment	Small tree	Not CITES-listed. Brazil reported total exports of 43.24 m ³ of timber between 2010 and 2015 to Germany, China and the USA (PC22 Doc. 17.2). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil. No information for other range States found.
<i>Dalbergia stevensonii</i>	Belize, Guatemala, Honduras, Mexico	No IUCN assessment	Medium-sized tree reaching 15-30 m (Farmer, 1972; Chudnoff, 1984). Habitat specificity considered to be a limiting factor (COP14 Prop.32).	Listed in Appendix II in 2013. EU: small volumes of wild-sourced timber from Belize (average 14.89 m ³ from 2008, 2011 and 2013) and Guatemala (average 32.64 m ³ from 2008-2010 and 2012-2013). ROW: importers reported direct trade in wild-sourced timber from Belize in 2008 (21.59 m ³) and 2013 (104.8 m ³) and Guatemala (average 25.74 m ³ from 2008-2013). Importers also reported 10 m ³ of confiscated timber and 335.07 m ³ pre-convention timber from Belize in 2013 only.	No current suspensions or opinions	Listed in official list of threatened species of Guatemala. Moratorium on harvesting and export from Belize since 2012, and trade from Honduras is banned (CoP16 Prop. 62). No official protection in Mexico.
<i>Dalbergia subcymosa</i>	Bolivia, Brazil, French Guiana, Peru, Suriname, Venezuela	No IUCN assessment	Tree (Grandtner and Chevrette, 2013 in Vaglica, 2014)	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as a protected species in Brazil or French Guiana. All <i>Dalbergia</i> spp. protected by forestry law in Peru. No information for other range States found.
<i>Dalbergia tilarana</i>	Costa Rica, Mexico, Nicaragua, Panama	No IUCN assessment	Tree	Not CITES-listed (no trade data available)	No current suspensions or opinions	Not listed as a protected species in Panama. No information for other range States found.
<i>Dalbergia tucurensis</i>	Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua	No IUCN assessment	Tree	The population of Guatemala was listed on CITES Appendix III in 2015. No trade data available to date	No current suspensions or opinions	Not listed as a protected species in El Salvador or Guatemala. No information for other range States found.
<i>Dalbergia villosa</i>	Bolivia, Brazil	No IUCN assessment	Tree	Not CITES-listed (no trade data available). Considered to have no economic value in Bolivia (PC22 Doc. 17.2)	No current suspensions or opinions	Not listed as protected species in Brazil. No information for other range States found.

References:

- Bergamino, B. 2013. *Brazilian Rosewood*. Available at: <http://globaltrees.org/threatened-trees/trees/brazilian-rosewood/>. [Accessed: 12/11/2015].
- de Carvalho, A.M. 1997. A synopsis of the genus *Dalbergia* (Fabaceae: Dalbergieae) in Brazil. *Brittonia*, 49(1): 87–109.
- Chudnoff, M. 1984. *Tropical timbers of the world - Agriculture handbook 607*. U.S. Department of Agriculture, Forest Service, Madison, WI. 466 pp.
- Farmer, R.H. 1972. *Handbook of hardwoods*. 2nd Edition. MSO London.
- Grandtner, M. and Chevrette, J. 2013. *Dictionary of Trees, Volume 2: South America: Nomenclature, Taxonomy and Ecology*. Academic Press.
- IUCN 2015. IUCN Red List of Threatened Species. Version 2015.3. Available at: www.iucnredlist.org. [Accessed 06/11/2015].
- Linares, J. and Sousa S., M. 2011. Nuevas especies de *Dalbergia* (Leguminosae: Papilionoideae: Dalbergieae) en México y Centroamérica. *Ceiba*, 48(1-2): 61–82.
- Novaes, R.M.L., Ribeiro, R.A., Lemos-Filho, J.P. and Lovato, M.B. 2013. Concordance between phylogeographical and biogeographical patterns in the Brazilian Cerrado: diversification of the endemic tree *Dalbergia miscolobium* (Fabaceae). *PloS one*, 8(12): e82198.
- Roskov, Y., Zarucchi, J., Novoselova, M. and Bisby, F. 2014. *ILDIS (version 12)*. Available at: <http://www.catalogueoflife.org>. [Accessed: 05/11/2015].
- Vaglica, V. 2014. *Dalbergia* spp. A case for CITES listing. MSc thesis for Master's Degree in Management and Conservation of Species in Trade: The International Framework. International University of Andalusia.