

Agarwood (Oud) Case study

I: Agarwood (Oud) World WISE data

Analysis of illegal agarwood (oud)(kg) data was based on seizure records in World WISE, 2007 to 2014. Source of shipment does not necessarily indicate origin of the specimen. Destination of shipment does not necessarily indicate the final destination and could indicate a transit country. Chips, bark, oil, and powder by weight were used in the analysis and conversions were applied for oil. See table for details on conversions.

Figure. Seized Agarwood (kg), 2007 to 2014. Conversions applied.

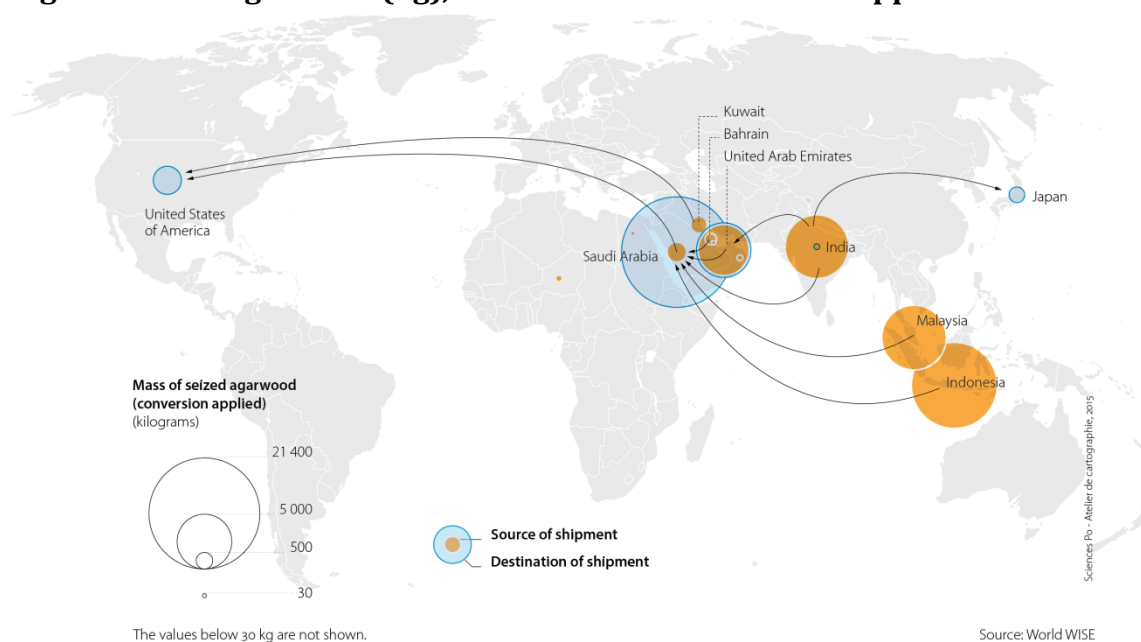


Table. Summary of Seized Agarwood (kg) in World WISE, 2007 to 2014.

Commodity types	Weight/volume	Units (no. of items)	Comments
Final Wood conversions	49,730.70 kg	-	Includes wood chips, bark, oil and powder all converted to wood. See conversion factors below
Original chip/bark	12,217.97 kg	358	Original values of chips by weight were used.
Original powder	12,513.16 kg	42	Powder in KG was converted to wood (1:1 ratio).
Original oil	57.36 kg and 17.215 LT	381	Oil in LT/KG was converted to wood (1 LT or KG oil from 143.6kg of wood).
Original derivatives	4821.59 kg and 233.88 LT	30724	Not included in analysis
Original extracts	8,526.21 kg and 2.382 LT	168	Not included in analysis
Original medicine	408.17 kg and 10 LT	5401	Not included in analysis
Original unspecified	3,223.22 kg		Not included in analysis

Sources: World WISE

Summary tables for weight of agarwood (oud) (kg) seized, according to seizure records in World WISE, 2007 to 2014. Conversions applied.

Table. Weight of agarwood (kg) seized with information on source of shipment or destination of shipment, 2007 to 2014. Conversions applied.

Summary of Source	Converted to Wood (kg)	% of total seized
Source of shipment	33,854	96%
Unknown	1,587	4%
Total seized	35,441	100%

Sources: World WISE

Summary of Destination	Converted to Wood (kg)	% of total seized
Destination of shipment	28,700	81%
Unknown	6,741	19%
Total seized	35,441	100%

Sources: World WISE

Table. The top 10 countries and territories for source and destination of shipment, weight of agarwood (kg) seized from 2007 to 2014. Conversions applied.

Top 10 source countries and territories	Converted to Wood (kg)	% of total seized
Indonesia	12,906	36%
Malaysia	7,449	21%
India	7,170	20%
United Arab Emirates	4,647	13%
Saudi Arabia	680	2%
Kuwait	483	1%
Bahrain	238	1%
Niger	72	0%
Oman	65	0%
Qatar	33	0%
Other 10 countries and territories	110	0%
Unknown	1,587	4%
Total	35,441	100%

Sources: World WISE

Top 10 destination countries and territories	Converted to Wood (kg)	% of total seized
Saudi Arabia	21,476	61%
United Arab Emirates	5,279	15%
United States of America	1,403	4%
Japan	431	1%
India	60	0%
Qatar	17	0%
Kuwait	89	0%
Thailand	8.00	0%
Canada	6.00	0%
Romania	5.00	0%
Other 5 countries and territories	6	0%
Unknown	6,741	19%
Total	35,441	100%

Sources: World WISE

II: Agarwood (Oud) CITES Legal Trade Data

Summary tables for the weight of Agarwood (kg) exports, according export data in the CITES Wildlife trade database, 2005 to 2013. Chips, bark, oil, and powder by weight were used in the analysis. Conversions were used for oil. See table below for details.

Table. Conversions for legal Agarwood (kg) exported, 2005 to 2013.

Commodity types	Weight/volume	Comments
Final Wood conversions	13,271,382 kg	Includes wood chips, bark, oil and powder converted to kg of wood.
Original chip	5,895,489 kg	Original values of chips by weight were used.
Original powder	4,112,158 kg	Powder in KG was converted to kg of wood (1:1 ratio)
Original oil	22,728 kg	Oil in LT/KG was converted to kg of wood (1 LT oil from 143.6kg wood)

Sources: Export data from CITES Trade Database

Table. Weight of agarwood (kg) reported in export data, with information on import or export country, 2005 to 2013. Conversion applied.

Source of shipment summary	Converted to Wood (kg)	% of total trade
Source of shipment	13,271,382	100%
Unknown	0	0%
Total	13,271,382	100%

Sources: Export data from CITES Trade Database

Destination of shipment summary	Converted to Wood (kg)	% of total trade
Destination of shipment	13,271,282	99%
Unknown	100	>1%
Total	13,271,382	100%

Sources: Export data from CITES Trade Database

Table. The top 10 importing and exporting countries and territories trading in agarwood (kg), 2005 to 2013. Conversions applied.

Top 10 source countries and territories	Converted to Wood (kg)	% of total trade
Indonesia	7,048,293	53%
Thailand	3,280,825	25%
Malaysia	2,107,579	16%
Bangladesh	505,064	4%
Viet Nam	260,702	2%
United Arab Emirates	18,543	0%
Kuwait	17,800	0%
Lao People's Democratic Republic	16,659	0%
Papua New Guinea	7,963	0%
Saudi Arabia	7,864	0%
Other 3 countries and territories	90	0%
Unknown	0	0%
Total	13,271,382	100%

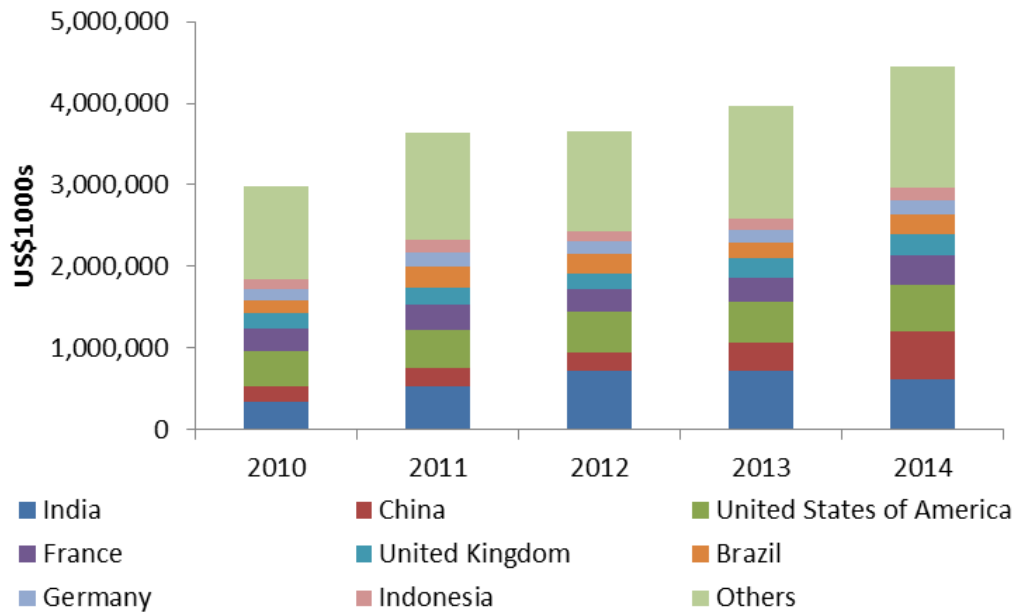
Sources: Export data from CITES Trade Database

Top 10 destination countries and territories	Converted to Wood (kg)	% of total trade
Saudi Arabia	3,984,463	30%
China	3,140,596	24%
China	91,965	
China, Hong Kong SAR	57,900	
China, Macao SAR	39,395	
Taiwan Province of China	2,951,335	
Singapore	2,481,115	19%
United Arab Emirates	1,752,260	13%
Japan	469,718	4%
Viet Nam	456,098	3%
Bahrain	294,426	2%
Malaysia	203,211	2%
India	170,782	1%
Kuwait	134,183	1%
Other 39 countries and territories	184,430	1%
Unknown	100	0%
Total	13,271,382	100%

Sources: Export data from CITES Trade Database

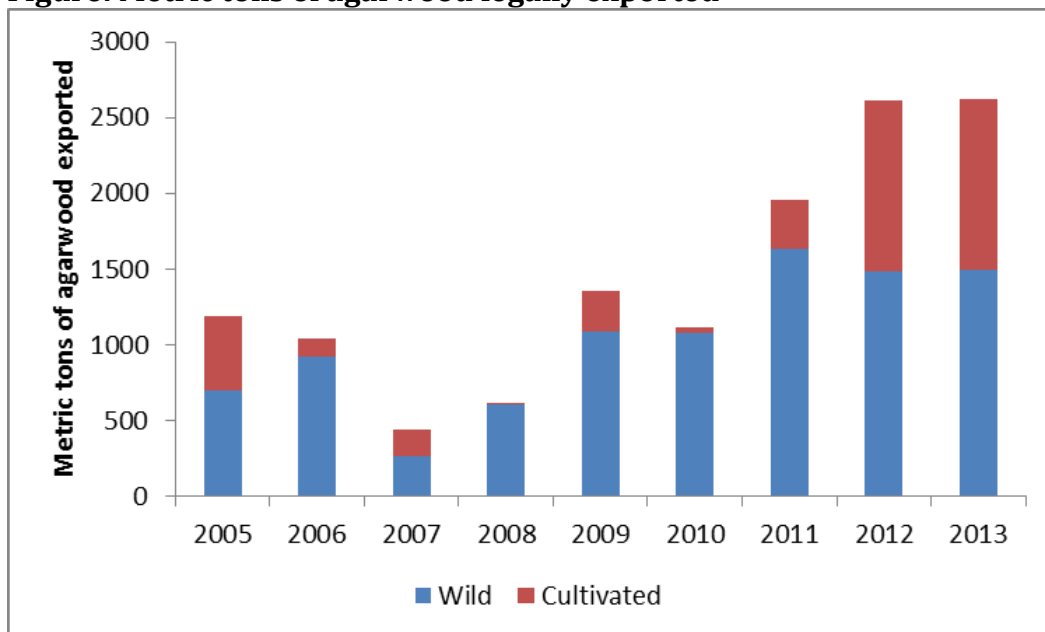
III: Draft Tables and Figures in the Agarwood (Oud) Chapter

Figure: World exports of essential oils, resinoids, and terpenic by-products



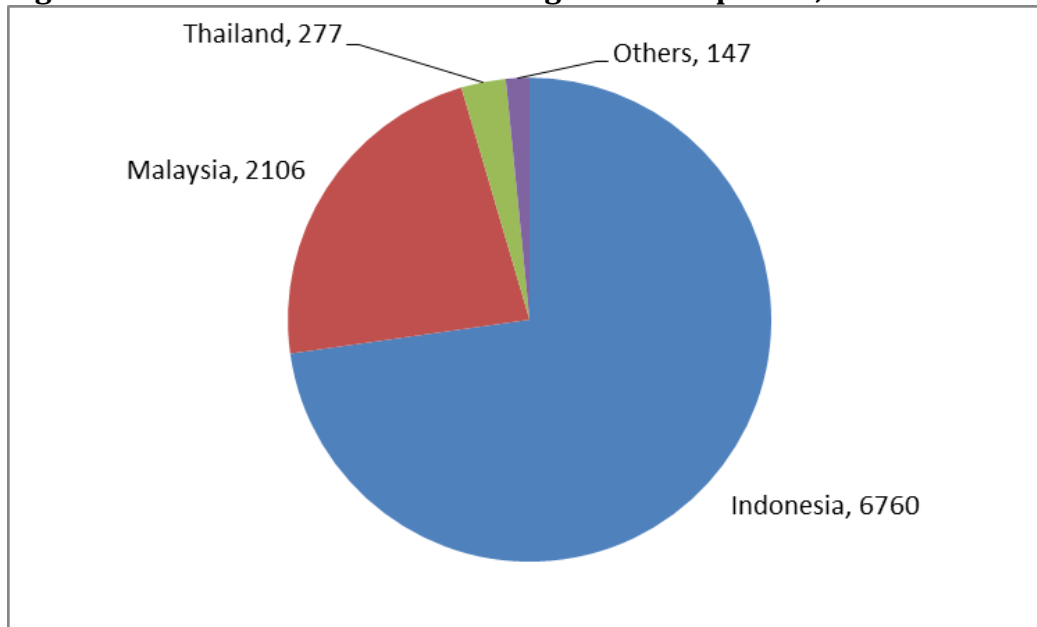
Source: ITC Trade Map

Figure: Metric tons of agarwood legally exported



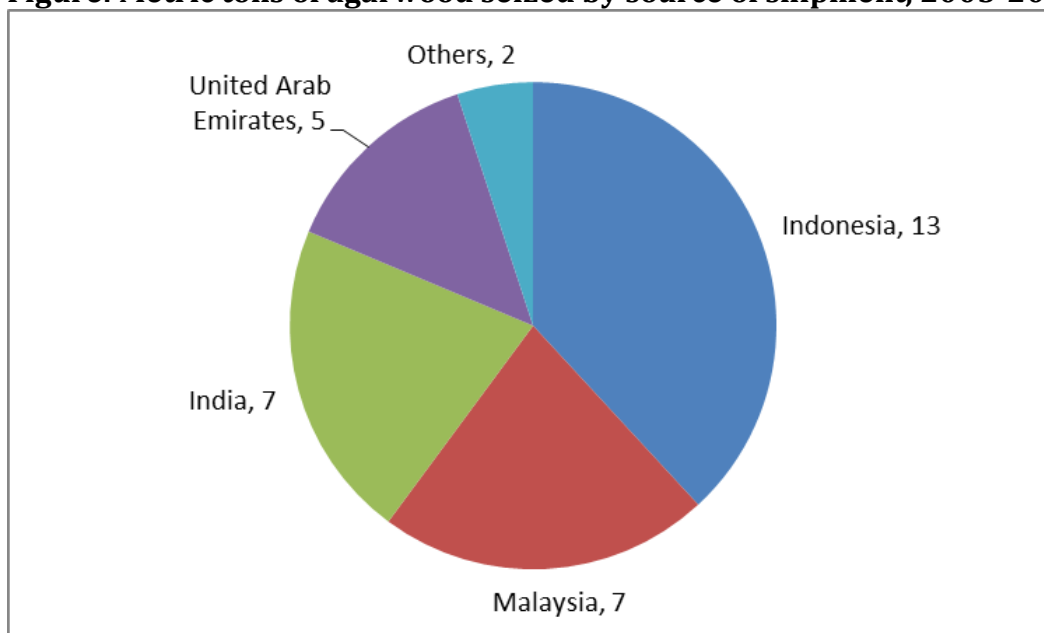
Source: CITES Trade Database

Figure: Metric tons of wild-sourced agarwood exported, 2005-2014¹



Source: CITES Trade Database

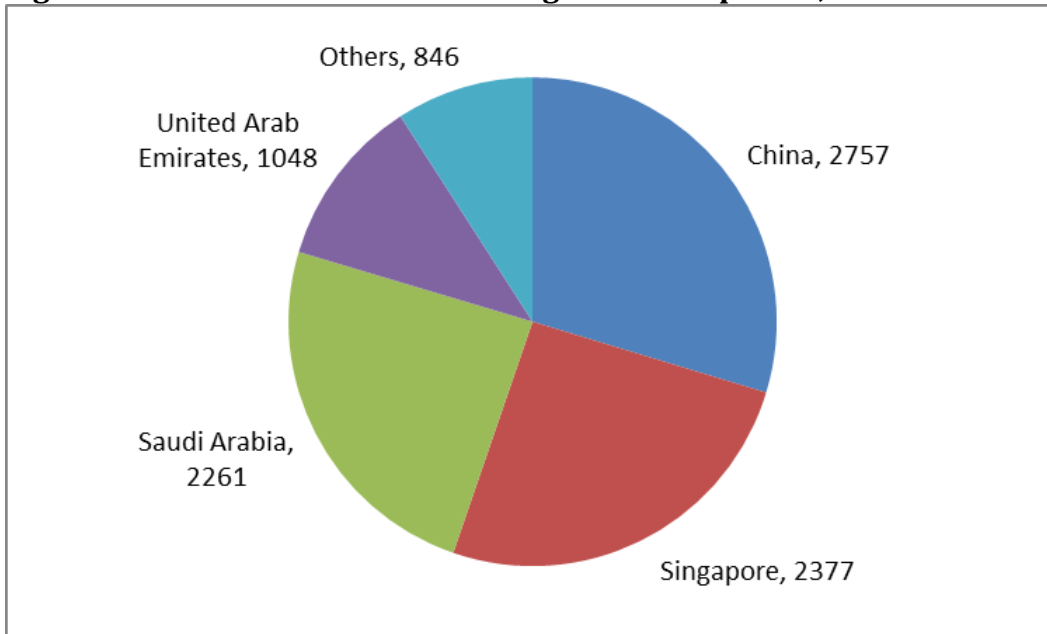
Figure: Metric tons of agarwood seized by source of shipment, 2005-2013²



¹ Oil exports converted to agarwood equivalents at a ratio of 1:146. Powder exports are assumed to be resin-infused and so are deemed equivalent to chip or timber exports. See:

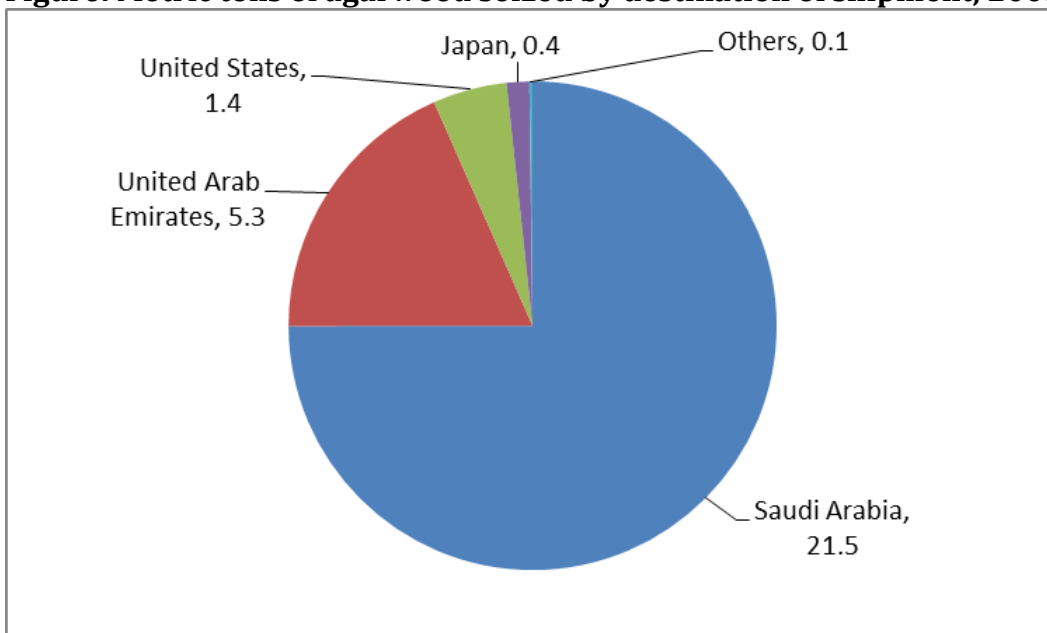
² Oil exports converted to agarwood equivalents at a ratio of 1:146. Powder exports are assumed to be resin-infused and so are deemed equivalent to chip or timber exports. See:

Figure: Metric tons of wild-sourced agarwood imported, 2005-2014³



Source: CITES Trade Database

Figure: Metric tons of agarwood seized by destination of shipment, 2005-2014⁴



Source: World WISE

³ Oil exports converted to agarwood equivalents at a ratio of 1:146. Powder exports are assumed to be resin-infused and so are deemed equivalent to chip or timber exports. See:

⁴ Oil exports converted to agarwood equivalents at a ratio of 1:146. Powder exports are assumed to be resin-infused and so are deemed equivalent to chip or timber exports. See: