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Title: Log Wood Commerce in the State of Rondônia - Amazon Region - Brazil

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Thema: 5. Development opportunities

Subtheme: 5.1 Sustainability and economic viability

Abstract of the paper: This study aimed to characterize the production of log wood legally exploited in the state of Rondônia, thus native or from reforestation areas. The state of Rondônia is located in the Brazilian Amazon, at 08 ° 45 43S latitude and 63 ° 54 14W longitude Gr. The data were collected from the Forest Administration at Environmental Development State Secretariat (SEDAM) in the State of Rondônia with the forest system using the software - SISFLORA in the period of January to December 2007. The total value of timber as native log wood sold in the period was 1.875.462,69 m3 totalizing U.S. \$ 27.747.133,00, while coming from reforestation reached 16.261,35 m3, valued at U.S. \$ 253.54, 00. Data showed that during the rainy season sale of logs from native forests is lower, and the volume used is supposed to be originated from wood exploitation made in time of year when the rains are low in the region. The amount of m3 sold in the period of drought increases, because there is greater exploitation in this time of the year. The values of wood originated from reforestation are in smaller quantities, but it is shown that there are already initiatives in the region for this purpose. The ten cities with the largest volume of timber logs sold were in decreasing order Cujubim, Porto Velho, Machadinho d'Oeste, Ariquemes, Costa Marques, Candeias do Jamari, Pimenta Bueno, Ouro Preto d'Oeste, Vilhena and Theobroma. As the most exploited species in m3, with their average values /m3, and the percentage related to all exploited species were: *Couratari tauari* O. Berg (U.S. \$ 16.20 - 8.01%), *Lecythis pisonis* Cambess. (U.S. \$ 13.22 - 5.26%), *Peltogyne paniculata* Benth. (U.S. \$ 14.75 - 4.17%), *Vouacapoua americana* Aubl. (U.S. \$ 14.40 - 4.15%), *Dinizia excelsa* Ducke (U.S. \$ 15.55 - 3.90%), *Astronium lecontei* Ducke (U.S. \$ 16.00 - 2.97%), *Cedrelinga catenaeformis* Ducke (U.S. \$ 13.24 - 2.65%), *Apuleia* sp. (U.S. \$ 15.49 - 2.55%), *Schizolobium parahyba* var. *amazonicum* (Huber ex Ducke) (U.S. \$ 14.97 - 2.36%), *Cariniana micrantha* Ducke (U.S. \$ 16.78 - 2.24%). The average values/m3 were with marketed species with a lesser amount of volume such as: *Agonandra brasiliensis* Miers, *Cordia fallax* Johnston, *Myrocarpus frondosus* Allemão, *Myroxylon peruiferum* Lf, *Pouteria pachycarpa* Pires, *Persea laevigata* HBK, *Ocotea rubra* Mez, *Cordia exaltata* Lam., *Tectona grandis* Lf, *Parinari montana* Aubl., with values ranging from US\$ 62.76 to US\$ 33.47.

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