



PD 433/06 Rev.3 (I)

***“Sustainable model for the Brazilian
wood flooring production chain”***

main results



Introduction:

- The Project started in 2011 and ended in 2016.
- It covered the entire supply chain related to wood flooring.
- It was executed by ANPM (National Hardwood Flooring Association), with funds provided by the ITTO (International Tropical Timber Organization).
- Collaboration:
 - Ministry of the Agriculture of Brazil (EMBRAPA/MAPA);
 - Ministry of the Environment of Brazil (LPF/SFB/MMA);
 - Ministry of Foreign Affairs(ABC/MRE);
 - University of Brasilia (EFL/UNB);
 - Pará State University (CCNT/UEPA); and
 - University of São Paulo (ESALQ/USP).





Objective:

- The overall objective was to contribute to the sustainable use and to increase the efficiency in the use of forest resources, from the forest to the final product.

Outputs:

- The Project aimed the achievement of three specific outputs, initially planned. But with the course of the Project, some extra outputs were also achieved.
 - **Output 1:** Propose a management model to integrate the exploration and use of lumber from commercial and less used species.
 - **Output 2:** Propose a model to reach a manufacturing process more efficient and integrated.
 - **Output 3:** Quality Certification Program for wood flooring.
 - **Extra outputs.**

COMMON NAME	SCIENTIFIC NAME
Angelim da Mata	<i>Hymenolobium excelsum</i>
Angelim Vermelho	<i>Dinizia excelsa</i>
Castanha Sapucaia	<i>Lecythis pisonis</i>
Cedrinho	<i>Erisma uncinatum</i>
Cupiúba	<i>Goupia glabra</i>
Itaúba Amarela	<i>Mezilaurus itauba</i>
Jarana Amarela	<i>Lecythis poiteauri</i>
Mandioqueira Escamosa	<i>Qualea paraensis</i>
Maparajuba	<i>Manilkara bidentada</i>
Pequiá	<i>Caryocar villosum</i>
Sucupira Preta	<i>Bowdichia nitida</i>
Tachi Preto	<i>Tachigali myrmecophyla</i>
Tanibuca	<i>Buchenavia parvifolia</i>
Timborana	<i>Piptadenia gonoacantha</i>



Results: • **Output 1:** Propose a management model to integrate the exploration and use of lumber from commercial and less used species.



“Wood Flooring: Brazilian Species Characteristics”



Wood Flooring Panels



“Wood Display”

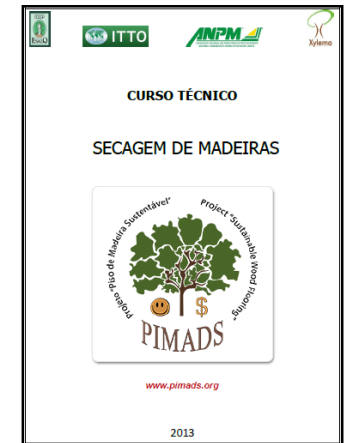


Results:

- **Output 2:** Propose a model to reach a manufacturing process more efficient and integrated.



Book: “Residue Management in the wood flooring industry”



Booklet: “Wood Drying”



Video: “Residue Management in the wood flooring industry”



6 training courses: drying and residue



- **Output 3: Quality Certification Program**



Book: “Audit Quality Certification for Wood Flooring”



Book: “Wood Flooring Installation”



Folder: “Wood Flooring Quality Certification Program”



Booklets: “Wood Flooring Installation” and “Audit Quality Certification for Wood Flooring”



Results: • Output 3: Quality Certification Program for wood flooring.



Audits



8 training courses: auditors and installation



11 standards published by ABNT



Conclusions:

- The project objectives have been achieved, including unforeseen extra activities.
- The results obtained can contribute to the improvement of the activities related to wood products.
- A total of 36 products were prepared, including books, booklets, articles, theses, presentations, videos, and others.
- The various products generated have the potential to contribute to the project objectives, involving the use of lesser known timber species, the combination of residues generation reduction and the better use of generated one, and the product quality improvement.
- It is expected that the results contribute to the better development of the companies by improving SFM, reducing residues generation, increasing industry efficiency, getting better economic return and keeping business continuity.
- The project by itself doesn't guarantee the complete sustainability of productive chain; but it is expected that the project and its results can improve industrial activities and also serve as an example for other productive chains related to wood products from tropical origin.
- The main action to be developed now is the dissemination of the project results. Strategies should be developed so that the greatest number of beneficiaries can be achieved.
- New projects can be developed from the information generated by the project. The potential for continuity or expansion is quite large.



Thank you!

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