

Project *brief*

Thünen Institute of Wood Research

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Developing Competences for the Peruvian Forestry and Woodworking Sector

Contribution to the environmental objectives of Peru – ProAmbiente II

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- **Cooperation with the Peruvian research institutes CITEmadera and CITEforestal: Knowledge transfer and networking activities**
- **Supporting the training of professionals and experts for the Peruvian forestry industry as well as for the wood industry and craft sector**
- **Transfer of basic knowledge for the sustainable use of lesser used wood species**

Background and aims

Against the background of a sustainable exploratory use of Peruvian timber resources, the local institutions CITEmadera and CITEforestal are to be supported in the training of experts for the Peruvian forestry and timber industry sector and crafts. The aim of the project financed by the German Association for International Cooperation (GIZ) is to impart basic knowledge for the sustainable use of lesser-known wood species mainly from afforestation instead of the overuse of heavy parquet wood species from natural forests. In addition, the access of Peruvian wood scientists to international networks is to be facilitated.

Approach

In order to ensure the transfer of knowledge, workshops, seminars and training courses were organized, and support was provided for the development and implementation of capacity building measures for the Peruvian forestry and timber sector, including backstopping support for seminars organized by the Peruvian partner institutions. During the COVID-19 pandemic, virtual seminars and online conferences were organized and educational videos produced in both Spanish and English.

Main topics:

- Identification of wood species
 - Macroscopic (MacroHolzData)
 - 3D and SEM/TEM microscopy
 - Identification in fibrous material and carbon
- Optimization of timber drying
 - Determination of the drying quality
 - Kiln operating
- Improving energy efficiency in the wood industry
- Material testing

Meeting of members of the Thünen Institute and of CITEmadera and CITEforestal in Peru 2018



Photo: CITEforestal

Results

- The current project has initiated the completion of a further research project between CITEmadera and the Thünen Institute, for which Dr. Johannes Welling shall act as the lead scientist: FONDECYT “Determination of the hygroscopic behavior of wood of 20 Peruvian tree species of commercial interest”.
- The institutes CITEmadera and CITEforestal have successfully conducted independent seminars on the topics that were previously covered in events organized by experts from the Thünen Institute.
- Tutorial videos on project-relevant topics were produced (German, English, Spanish), which were made available to the project partners in Peru and can also be used at the Thünen Institute

(www.thuenen.de/de/hf/projekt/kompetenzentwicklung-im-peruanischen-forst-und-holzwirtschaftssektor/).

- During the project, a lot of networking took place, so that the Peruvian project partners were able to establish many international contacts to other wood scientists.

Evaluation

The goal of expanding competences in the Peruvian forestry and timber industry sector was achieved over the duration of the project. The fact that the knowledge acquired was already passed on in independently organized courses for interested parties in Lima, Pucallpa and Iquitos underscores the effectiveness of the project.

Due to the COVID-19 pandemic, which necessitated extensive replanning, both parties were able to develop and improve skills in the virtual realization of workshops and training courses and the creation of digital teaching modules.

Visit of members of CITEmadera und CITEforestal at the Thünen Institute of Wood Research in Hamburg 2019



Photo: Thünen Institute

Further information

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Partners

Instituto Tecnológico de la Producción de Perú (ITP):
- CITEmadera (Lima)
- CITEforestal (Pucallpa, Maynas)

Publication

<https://www.thuenen.de/en/hf/projects/developing-competences-for-the-peruvian-forestry-and-woodworking-sector/>

Support



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