Forest Work in the Tropics in the Focus of Work Science

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Utilization of the Tropical Forests

Work in tropical forests is often associated with retrieving big logs of precious wood from the jungle, the tropical rain forests (Fig. 1). Such exploitation, “timber mining”, has been the common way of taking wood from tropical forests since the start of colonization. Wood and Non-Wood-Forest-Products (NWFP) was taken from all forests, not only from the rainforests.

There is forest work in natural and plantation forests, for retrieval of wood for industrial use, but also for NWFP, and for other traditional utilization. Nearly 60 million hectares of plantation forests (Fig. 2) have been established in the tropics (FAO, 2016).

Working Conditions

The working conditions in tropical forests differ from those of forest work in industrial countries, not only with respect to climate, state of mechanization and work organization. Most of the work is done in the informal economy and much by illegal logging.

Work Study

Work study is based on many traditions, including Taylorism, with different concepts and terminology. Any assessment of workload and working conditions is only meaningful in relation to performance. A strong plea is made not to occupy the term work study for mere time study, but to use it in a broad sense and then to clarify, whether it is performance study, methods study or ergonomic study what is attempted and done.

New Book “Work in Tropical Forests”

A comprehensive approach has been taken on work in tropical forests, including a view on all kinds of working people and their work in natural and plantations forests, and all forms of employment (Lewark, 2019).

On-site Conversion, Chainsaw-milling

Handling and transport of big and heavy logs early on led to conversion of felled trees to planks, on the spot of felling, which has great importance today. Traditional pit-sawing has in parts been replaced by chainsaw milling (Fig. 4).

References


