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Proceedings of the COST Action E44 Conference

Broad Spectrum Utilisation of Wood

Edited by
Alfred Teischinger and Joris Van Acker

in Co-operation:
COST - European Co-operation in the field of
Scientific and Technical Research
Action E44 - Wood Processing Strategy

Primary Wood Conversion Processes

Tree Quality leads to processing trees using saw milling for timber, chipping into particles and peeling or slicing trees into veneer. Decision on selecting one of these options in respect of further processing is both related to the forest resource itself and the end products envisaged. Quality of raw materials is defining the possibilities and profitability for further processing.

Integrated Processing of Forest Products

Integrated processing of forest products can use different strategies to combine primary wood conversion processing. These combinations are based on sorting and grading of logs and sawn timber but also as innovative options for secondary processing of a primary processing product.

Mixed Stand and Mixed Species Processing

New forest strategy approaches will lead to more mixed stands in the future. New options for the utilisation of mixed stand and even mixed species processing will become essential.

Processing in Relation to Tree Dimensions and Partitioning of Trees

Processing of small diameter logs into sawn timber components is an important topic for future economics of whole stem processing. This will also have to deal with problems induced by the presence of juvenile wood, spiral grain, reaction wood, ... Large dimension trees will deed new options for processing or as part of it and even the total tree use strategic factors in the broad spectrum utilisation of wood.

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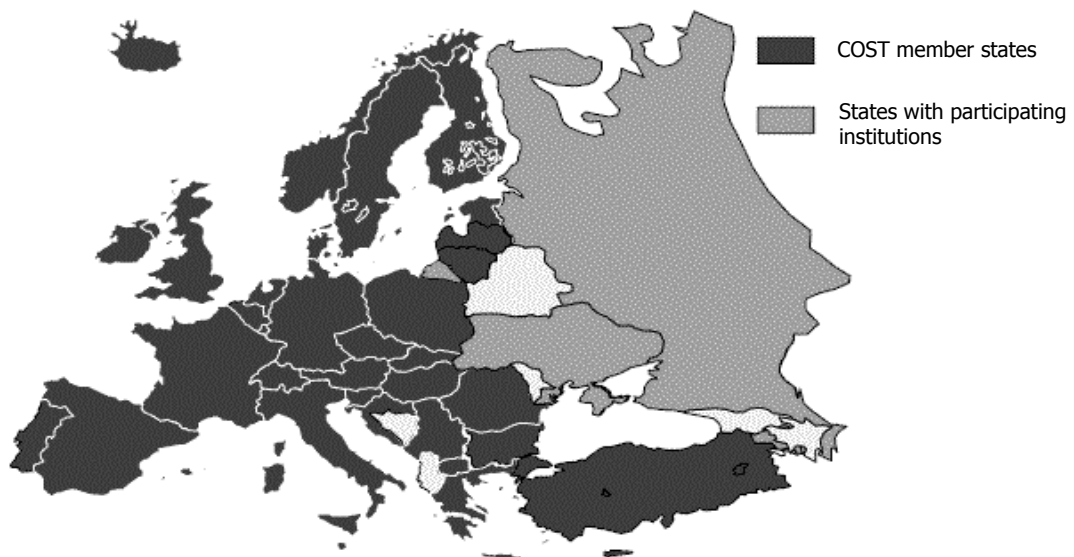
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