Excavators and backhoe loaders as base machines in forest operations

Fact Sheet

Project Information

Grant agreement ID: FAIR983381

Funded under
FP4-FAIR

Start date
1 August 1998

End date
31 January 2001

Overall budget
€ 280 000

EU contribution
€ 280 000

Coordinated by
The Swedish University of Agricultural Sciences
Sweden

Objective

The objectives of this Concerted Action is to support, develop, and increase mechanization in forestry (using excavators and backhoe loaders as base machines), which is environmentally, technically, and economically sound, leading to an overall better European competitiveness. Conventional forest machines are expensive and can, normally, do only one type of job. A lot of the machines have bad impact on the environment, often related to their impact on ground and soil disturbance. In countries outside Europe, such as USA, Canada, and New Zealand, excavators are commonly used as base machines in forest operations. Some potential advantages considering the technology in this CA-proposal are:

- increased utilization (multiple-use) Through this Concerted Action new and existing information about the proposed technique will be distributed to the participating countries and made available for further use and development in each country. It will
also be clearly identified within which areas further research is necessary and in which way these efforts can be coordinated and thus carried out in an effective and economically sound way. Socio-economic impact would be considerable. This project is of great interest for most countries within the EU, since the suggested harvesting technique is appropriate for any country with forestry. The project fits the work programme very well. It highlights very much the impact on e.g. Economic, socio-economic, environmental, and industrial matters. The partners and associated partners have been chosen because of their professional capabilities and for their ability to represent individual links in this area. Expertise experience exchange from research, manufacturer and user is of utmost importance for bringing the concept towards a successful result. All involved will together cover all aspects of the Concerted Action. All organizations involved have the skill, resources and needed equipment necessary to fulfil the tasks of the proposed Concerted Action. The participants show a broad variety of enterprises and organizations - SME's (e.g. Manufacturers and users), large enterprises, research organizations and universities.

Programme(s)

Topic(s)

Funding Scheme

CON - Coordination of research actions

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