

Description of best practice

Best practice	
Title	Inventory and characterization of forest roads
Picture	
Domain	Roads, Wood transport
Source of wood	Wood from forests
Location	Castile and Leon
Implementers	Cesefor, Junta de Castilla y León
Actual status	Running
Approach	Public administrations directly manage a road network on forest land that in many cases is longer than the general road network itself. Wood transport is a key factor in the value chain of wood mobilization. There is therefore a need for reliable knowledge of this network, so that resources can be optimised and rationalised in terms of maintenance and improvement, that is to say, the rationalisation of the processes of inventory, planning, programming and control of the work on these tracks must be emphasised.
Main results	Since 2009, Cesefor has directed and developed the project co-financed by the Regional Government of Castilla y León and the Ministry of Industry and Trade. Within the framework of this project, more than 50,000 km of rural roads have been inventoried and more than 33,000 equipments have been collected, forming a continuous network connected to the road

	<p>network with extensive qualitative information on forest areas. The information has been collected by GPS, attaching the necessary qualitative information in each case.</p> <p>Specific cartography has been distributed to environmental agents, fire extinguishing media dependent on the Junta de Castilla y León and the digital information is available at the Junta de Castilla y León.</p> <p>A specific navigator has also been developed for rural roads, since due to the special characteristics of this network it is necessary to know the existing restrictions, either by type of vehicle or state of the tracks.</p>
Lessons learned	<p>The lack of digital cartography with sufficient quality in rural areas is a constant in most territories. Together with a certain delay in the application of technologies in the sectors that operate in this area, they make these areas a priority objective on which to concentrate this type of effort.</p> <p>This cartography allows to plan more effectively the operations related to the harvesting and transport of wood, from the forest to the industry.</p>
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Best practice assessment

Region	Castile and Leon (Spain)
Time scale	Permanently updated
Mobilization Potential	-
Kind of wood concerned	Any wood from forests
Sustainability Potential	Positive
Impact on environment & biodiversity	Positive: reduction on fuel consumption
Ease of implementation	Medium
Economic impact	Reduction on transportation costs
Job effect	None
Income effect	Reduction on transportation costs
Specific knowledge needed	GIS and database management
Costs of implementation	Depending on existing data
Technical readiness level	System complete and qualified, starting to be used
Key information for adoption	Good work planning and suitable personal needed