

## Description of best practice

Best practice	
Title	The "supermarket" of quality biomass
Picture	
Domain	Infrastructure / logistics Mechanization / forest industry
Source of wood	Above and below ground woody biomass Stemwood
Location	Via Provinciale snc 22030 Lasnigo (CO) <a href="https://goo.gl/maps/qsjgVMc3fVhSrRPs5">https://goo.gl/maps/qsjgVMc3fVhSrRPs5</a>
Implementers	Carlo Galli Cip Calor
Actual status	running
Approach	<p>Since 2005 Cip Calor has focused on woody biomass. Careful to professionalism, safety and quality, the company has explored fields that were little known at the time. The sale of wood was accompanied by contracts for the supply of wood chips to public users and contracting activities. In 2010 it invested in the construction of an innovative biomass platform, today the company's nerve center, where firewood and wood chips can be produced and marketed in compliance with the quality standards required by the market and the relevant regulations.</p>
Main results	<p>The platform has been designed in an optimal position for the management of the material: from about half of the wooded area that the company manages, it is even possible to cut the wood with a cable crane directly in the yard, with obvious logistical consequences. Excluding raw wood deposits all production activities are covered, below a 1,400 m<sup>2</sup> ventilated structure. The main elements of the platform are:</p> <p>"Chipped" line: deposit for the wood chips to be dried; drier; mini co-generator for the production of electricity and heat; storage for dried wood chips.</p> <p>"Firewood" line: area used for cutting and splitting; roll-off bodies connected to the hot air exiting the co-generator; storage for</p>

	<p>firewood.</p> <p>Other structures: mini-sawmill for the production of manufactured goods; warehouse for the recovery of tools and staff rooms, heated to the floor with the heat recovered from the co-generator; commercial office.</p>
Lessons learned	<p>The advantages of this logistic-productive-commercial model are many. The organization and optimization of productivity has improved; thanks to the covered structure it is possible to work even in bad weather days; it is easier to manage the quality control system; the number of customers has increased, seeing in the platform a place characterized by a clear and transparent marketing; also interesting is the aspect of visibility and access to the platform at convenient times, where customers can observe and "touch" the work phases and the product they intend to buy.</p>
Contact information	<p>Carlo Galli Cip Calor <a href="mailto:cipcalor@geroli.it">cipcalor@geroli.it</a></p>
Link to website	<p><a href="http://www.cipcalor.it">www.cipcalor.it</a></p>
Code	<p>BP_IT_09</p>

## Best practice assessment

Region	Lombardy - Italy
Time scale	3-5 years
Mobilization Potential	4.000-5.000 t per year
Kind of wood concerned	Wood chips: fir, pine, Firewood: chestnut, oak, beech
Sustainability Potential	High: production of renewable energy from local forests, re-use of energy within the production plant
Impact on environment & biodiversity	The traceability of the raw material and compliance of good forest management is guaranteed by current regional and national legislation
Ease of implementation	Medium: huge investments are needed
Economic impact	400-600.000 euro per year
Job effect	10-12 employees
Income effect	N/A
Specific knowledge needed	Knowledge of current and potential local biomass market
Costs of implementation	N/A
Technical readiness level	Strong entrepreneurship
Key information for adoption	Excellent knowledge of biomass trade centres. Info: <a href="http://www.biomassstradecentre2.eu/Biomass-Trade-Centrell/">http://www.biomassstradecentre2.eu/Biomass-Trade-Centrell/</a>