MOFOB



The project consists of creating a shared tool in the form of an online platform to facilitate the evaluation of supply plans and to limit conflicts of use from forest resources.
The tool integrates data related to the availability of the wood resource, taking into account harvests and past forest removals as well as the potential for additional wood energy and industrial wood harvesting. It thus provides an up-to-date view of the wood energy and wood industry resource at the departmental level.
In addition, the consumption of recent and planned biomass boiler is indicated in order to calculate the supply and demand balance for a territory.

Currently, the platform is tested and revised after feedback from users and experts associated with the project. It appears necessary to consolidate data on resource availability, biomass boiler consumption and other wood uses.

Data related to wood resources come from IGN inventories (National Institute for Geographic and Forestry Information), AGRESTE surveys (service of the Ministry of Agriculture and Food) and ADEME studies (Environment and Energy Management Agency).
With a single tool, it is possible to :
- monitor harvests and wood consumption at the departmental level,
- estimate the additional resource,
- use indicators of the capacity to mobilize the resource.

The platform provides summary tables on resource availability and a boiler consumption database. It allows users to monitor the evolution over time of biomass boiler and wood resource consumption.
It also provides related indicators to estimate the strain on the resource. Users can simulate the impact of a new boiler installation on their territory.
This type of tool appears necessary and useful both for public bodies for the implementation of their policy, and for industrialists who wish to develop their activities.

DETAILS

ORIGIN OF WOOD

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TYPE OF WOOD

Stemwood

KIND OF WOOD CONCERNED

Stemwood, woody biomass, waste

IMPACT ON ENVIRONMENT & BIODIVERSITY

Little direct impact

INCOME EFFECT

NA

EXPLOITATION POTENTIAL

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HUB

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ECONOMIC IMPACT

Platform used by public institutions or industries for decision support

SPECIFIC KNOWLEDGE NEEDED

Boiler consumption, resource availability data at a departmental level

MOBILIZATION POTENTIAL

NA

SUSTAINABILITY POTENTIAL - VALUE

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EASE OF IMPLEMENTATION

Difficult

EASE OF IMPLEMENTATION - EVALUATION

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KEY PREREQUISITES

To have data on the different types of wood resources:stemwood, waste, related,...

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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JOB EFFECT

Facilitates work to estimate boiler supply plans

COSTS OF IMPLEMENTATION (EURO - €)

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MORE DETAILS

CHALLENGE ADDRESSED

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DOMAIN

Wood energy industry

Innovation management, hubs, clusters

TYPE OF SOLUTION

Data platforms, data hubs

KEYWORDS

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DIGITAL SOLUTION

Yes

INNOVATION

Yes

COUNTRY OF ORIGIN

France

SCALE OF APPLICATION

National

START AND END YEAR

2016 -

CONTACT DATA

OWNER OR AUTHOR

REPORTER

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REFERENCES AND RESOURCES

MAIN WEBSITE

http://observatoire-biomasse.franceagrimer.fr/

PROJECT WEBSITE

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PROJECT REFERENCE

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RESOURCES

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY