

-Chapter 6-

THE COST OF A MICRO-FOREST



how to finance?

To facilitate the creation of future micro-forests, we have established an estimate of the cost of a Miyawaki micro-forest. It gives an idea of the budget needed to plant a 200m² micro-forest.

Please note that this cost varies greatly depending on:

- the equipment and resources loaned or offered
- sources of supply whose quotes may vary
- the cost of transport depending on the size of the truck and the distance to be covered

To reduce costs, don't hesitate to talk about it as much as possible around you, activate your network, make concrete requests to your town hall... and solicit local businesses. The more of you there are in the group, the more likely you are to get good deals!



1- Costs

2- Buy the amendments

3- Rent a mini-excavator

4- Do you have to pay for water?

5- Financing

6-The Giants' Micro-Forest

1- costs

Planting Miyawaki microforests requires a significant financial investment. The cost depends primarily on the size of the planting area.



variable costs

They depend on the size of the forest. We based this estimate on a 200 m2 forest.

Trees (600 trees at €2.70/plant)	1650 €
Mechanical excavator (rental for 1.5 days)	750 €
Pellist operator (service for 1.5 days)	300 €
Oil + diesel for the shovel	40 €
Straw (40 bales x 12/13kg = 500 kg)	160 €
Manure (10 m3)	100 €
Broyat (10 m3)	100 €
Compost (10 m3)	100 €
Fencing: the length of your forest (75 m long / 1.5 m high + stakes)	450 €
Logistics vehicle rental (€50/day)	50 €
Miscellaneous (hardware)	20 €



fixed costs

These are the incompressible costs. They do not depend on the size of the forest.

Transport of amendments (count minimum €200/10 to 20 m3 skip)	600 €
Straw transport	200 €
Gate	100 €
Gardening equipment	350 €
Communication panel	400 €
Drinks and snacks	80 €
Irrigation over 2 years	500 €

Variable costs + Fixed costs

5950 €

2- where to buy the amendments?

By contacting the right people, amendments can cost you relatively little - their transport, however, has a cost, which you will have to reduce through good logistics.



compost

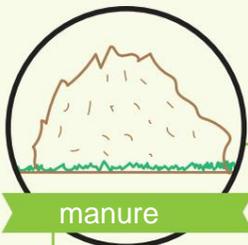
You can find them **for free at recycling centers**, but the quality is often poor and the volume is sometimes limited.

Specialized associations, farmers **and** other partners in the sector (the Cler Verts company located in Lauragais for example) can give you or sell you the desired volume.



the ground material

Every week, **tree surgeons dispose of their prunings**. Some shred them and give them away, either by dropping them off on your land (you'll then need to be able to store them until planting), or by delivering them (and you'll have to pay for the transport). Others **deposit the wood in composters** that resell the shredded material. Get on your phone to contact them!



manure

From **equestrian centers** and/or farmers - breeders

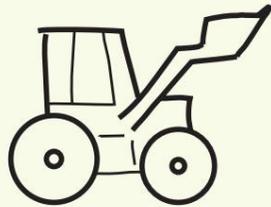


the straw

Straw, hay or even dead leaves can be collected from the **green spaces of the town hall** or equestrian centers, purchased from **farmers...**

3- where to rent a mini-excavator?

You can find different types of services on the internet: a shoveler with his own mini-excavator, a landscaping company renting a mini-excavator, a shoveler without a mini-excavator, a mini-excavator without a shoveler... We will present to you the formula that we have chosen for the Giants' micro-forest.



mini-leather location

We used a **3.5T mini-excavator**. It was loaned to us by a relative of one of the members of the collective, which helped reduce our costs.

Specialized companies in the sector offer mini-excavator rentals: - Kiloutou

- Loxam
- Locaforce -
- Locador

You can find their contacts on the internet and **request quotes**.

You can also find **rentals between individuals** on sites like leboncoin.



our pellist: thomas

Once we found the mini-excavator, we had to find a **shoveler with the necessary diplomas and accreditations**. We needed someone who was fairly flexible in terms of working dates and hours, so we preferred to train one of the Collective's volunteers in the diploma required to use a mini-excavator (the CACES) and the AIPR for working on networks.

He was the one who “shoveled” for the Giants’ micro-forest!

You can **contact us if you would like to be linked**.

4- Do you have to pay for water?

A water supply will be necessary, whether during planting or during the summers of the first two years. Several options will be available to you, here are a few some...



river / stream

If your forest is **close to a waterway**, you can install **a pumping system**. It is advisable to contact the managers (such as **VNF**) for access conditions and prices.

For example: if the forest is close to the **Canal du Midi**, you can consider pumping water from the canal for irrigation. You will then need to obtain **VNF's approval**.

for installation on the public river domain and **sign an agreement with the Institution des Eaux de la Montagne Noire**. Please note that applications must be made the year before pumping and a fee will be payable.

We've started these steps for the Giants' Microforest. Don't hesitate to contact us for contact details!



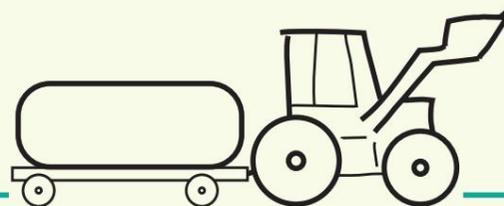
the city

You can arrange with your local council to carry out the few waterings necessary to maintain the forest for you. We recommend obtaining a signed agreement before planting to avoid any disappointment.



the rain

The most eco-friendly solution! If you have a roof close to the forest, or something (gutters on the fence) that would allow you to channel rainwater into a collector, that's ideal. You'll still need to invest a little in the system.



specialized companies

Some companies can manage the watering for you. This is the solution we chose for the Giants' microforest, using the company [Terideal](#). Contact your town hall, which often has the contacts. _____

5- find financing

There are several channels to finance your planting project. If your project is not financially supported by a particular organization, you can test the type(s) of financing that best suits your needs. Here are some avenues to explore depending on your needs:

PUBLIC SUBSIDIES

- Aid from Europe, the State or the region.

e.g.: Aid from the Occitanie [Biodiversity region: Restoration of the tree network outside the forest \(trees and country hedges, trees in the city\)](#)

- Calls for projects from the town hall, the department, the region, the government.

ex: Call for projects from the Ministry of Ecological Transition and the OFB [MobBiodiv'2020: associations for biodiversity](#)

PATRONAGE

- Cash contributions.

e.g. A company gives you €1,000 in exchange for its logo on your communication panel

- Contributions in kind.

e.g. A gardening company donates the fencing equipment to you.

THE FOUNDATIONS FOR BIODIVERSITY

- [Humus Foundation](#)

- [Nature and Discovery Foundation](#)

(the collective is in contact with this chain of stores, if necessary)

CROWDFUNDING

Create an online kitty with [HelloAsso](#) and share the link through your networks!

REFORESTATION COMPANIES

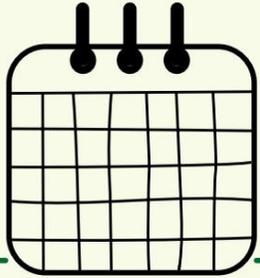
Some companies have specialized in the reforestation market and finance projects:

- [Reforestation](#)

- [Sugi Project](#)

6- the micro-forest of giants

With the Giants Microforest project, we combined different forms of financing. Today, our activity is supported by the Occitanie region, thanks to the participatory budget "[My Solution for the Climate.](#)"



funding agenda

October 2019 : Call for projects "[Raising awareness of biodiversity](#)" of Toulouse Metropolis

December 2019 : [Crowdfunding](#) on HelloAsso

Winter 2019 : Sponsorship by [Rural businesses](#) [Master](#), [Prolinair](#) et [Boston Storage](#)

(we have decided to address ourselves only to PME locales)

March 2020 : Citizen Participatory Budget of the Occitanie Region "[My Solution for the Climate](#)"



giant micro-forest budget

for 400m2

- Purchase of trees: **€3,260**
- Mini excavator: loaned free of charge
- Pelist service: **€1,600**
- Fencing equipment and tools: **€1,473**
- Amendments: free
- Logistics amendments: **€180**
- Mulching: **€425**
- Watering : **€900**

TOTAL : 7838 €

and now ?

So there you have it, well, almost everything in theory, now you have to put it into practice!

We warmly thank all the citizens, communities and businesses who have supported us and continue to support us in this project.
Together we can really change things...and anything is possible!



If you would like to participate, or need help launching your project, contact us at microforetstet@gmail.com

Mail : collectifmicroforetstet@gmail.com

facebook : [@microforetstoulouse](https://www.facebook.com/microforetstoulouse)

<http://toulouse.entransition.fr/>



**Micro-forêts
Toulouse**