



La Plantation Bemasoandro SUARL

VETIVER SYSTEM APPLICATIONS MADAGASCAR

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*Entreprise member of*

The Vetiver Network International

Website : [www.vetiver.org](http://www.vetiver.org)

## **NEWS LETTER VETIVER NETWORK MADAGASCAR**

### ***Window of Vetiver use for water quality improvement at Antananarivo, Madagascar***

Antananarivo is a capital where are living 2 millions inhabitants, but without real water treatment. Thus, the water quality of the important network (canals, drains, lakes, swamps, ricefields,...) is very dirty and strongly polluted : for example it's strictly forbidden to fish on this water, because so dangerous to consume this fish. And when it's the rain-season, many problems comes : floods, erosion, sediments... and sometimes the fountains and faucet's water is not fit to drink.

That's why this town needs a system to improve water quality, but also to prevent erosion, floods and sediments, easy to reproduce in a big scale and to maintain, sustainable and efficient.

This project, that is the first window of Vetiver use on town planning for water quality improvement at Madagascar, is the result of a lot of exchanges since 5 months (meetings, presentations, mails,...) in order to persuade to use this system on commune's water, and is including a new project of landscaping financed by the Région Ile-de-France.

The partners are :

- CUA -Commune Urbaine d'Antananarivo (park's owner and gave agreement to use VS)
- ONG EAST –Eau, Agriculture et Santé en milieu Tropical- (technical partner)
- Région Ile de France (backer through ONG EAST)
- La Plantation Bemasoandro SUARL (instigator-developer, supplier, technical partner)

The objective of this project is to show how the VS is working : banks stabilisation (300ml x 2) and floats to improve water quality, including the town planning.

An other project will consist to plant hedges on small dykes, straight in ground, on a canal not deep, through the water running. But this project will recover only a small part including a big network because there is no budget, so we'll do on a small scale (50ml of canal).

**Photos :**



*Purchase of the Vetiver plants needed for the projects (17.000) with villagers.*



*Left to right : Xavier, ONG EAST ; Alain, floats-handyman ; Nathalie Burel, Commune d'Antananarivo.  
Delivery of the Vetiver at Tana, 150Km from the supplier's villages.*



*Vetiver plants preparation.*



*Floats realization.*



*View under the float...*



*and above*



*The floats in the canal*



*and the banks stabilisation (300ml x4)*



*Distribution and explications of two brochures : one of the Vetiver Network International and one of La Plantation Bemasoandro, to the representants of Région Ile-de-France and to the capital's mayor, and visit.*

***Vetiver Hedge- Row pre-established exposed at the Forum alternatives, Antananarivo***

*This forum was about sustainable development, and I made a stand about VS, with a Vetiver Hedge Row to show the Vetiver's roots-system.*



## ***La Plantation Bemasoandro's Nurserie, Moramanga***

*This nurserie, began on May, is to ensure the plants availability for the future projects. There is also an other on the East Cost.*



*The company aim also to do landscaping and began decorative trees plantations.*



***Other news : Erosion problems and Vetiver using...***



*Vetiver slip planted one week before and fighting against erosion.*

*Vetiver System used under my advices*





*This is a place where the Vetiver, that was protected this bridge on the RN2, was stealled, to sell to the project who using Vetiver. I have transmitted on my report that is the only place where the VS was nicely applied along the RN2, while this road needs a lot of erosion control, and they will fix it.*

*This pics show nicely why the Vetiver is the best to stabilize soils...*



*Vetiver slip 3 months after be planted on slopes*

***And in case, we've done few handicraft objects with Vetiver roots, if somebody is interested...***



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