

Undertaken Researches

samedi, 01 mars 2008

Last Updated dimanche, 29 novembre 2009

Summary of Project Objectives :

- To contribute to knowledge expansion on natural resources, particularly bamboos, their actual and potential uses.
- To determine bamboos adaptation conditions, as well as cuttings, transplanting and fertilisation techniques.
- To study soil fertility conservation techniques and agricultural production improvement.

To meet these objectives, the research program of Phu An Botanic Garden includes three main topics :

Topic 1: Collection and conservation of Vietnam bamboos and threaten species of the South East Region We work about making a bamboos inventory, establishing a data base, constituting a collection of living bamboos and reference herbariums. We receive students and researchers for a better knowledge of bamboo.

The herbarium of Vietnam bamboos can be consulted in M.N.H.N of Paris and in the Botanic Garden of Kew.

For more information please refer to :

Summary of knowledge| Research objectives| Implemented Means| Established Partnerships| Results| Publications

Topic 2: Phyto-remediation for environment protectionThe Study consisted in finding plants able to resist to lead pollution of soils, to provide an important biomass and to be integrated in the landscape.

Lantana camara, L; Verbenaceae, is a variety which has requested characteristics to be used in phyto-remediation.

Bamboo properties such as its fast growth, its biomass production and its environmental interest are good for phyto-remediation. Tests on several bamboo species showed that one « *Bambusa* sp. » supports lead toxicity in the soil.

Our nursery produces at request plantlets of *Lantana* and *Bambusa* intended for phyto-remédiation. Please ask us for more details.

For more information refer to :

Summary of knowledge| Research objectives| Implemented Means| Established Partnerships| Results| Publications

Topic 3: Grey soil functioning and fertility for sustainable development in the South-Eastern region of Viet Nam

We study :

- grey soil functioning in Southeast Viet Nam, to protect fragile ecosystems and promote a reasonable development of this area
- soil fertility conservation techniques and agricultural production improvement.

We promote sustainable agricultural practices and we sensitize farmers.

For more information, please refer to :

[Summary of knowledge](#) | [Research objectives](#) | [Implemented Means](#) | [Established Partnerships](#) | [Results](#) | [Publications](#) | [Research perspectives](#) | [Bibliography](#)

Pedagogic activity and Fieldtrip

In collaboration with teachers, we organize pedagogic day fieldtrips on various topics (Rice growing, Soil activity, Life in the countryside).