

第一回 上智大学留学生夢支援懸賞論文奨学金
The 1st Sophia University International Student
Essay Contest
for
Dream Support Scholarship


受賞学生による論文発表



福武学生センター長

上智大学金祝燦燦会制作
上智大学学生センター監修

受賞者: Ndille Claurence Nkumbe

Graduate School of Global Environmental Studies
Doctoral Program in Global Environmental Studies



Country: Cameroon
PhD Student 1st Year

Previous achievements

- Master's degree in Plant Physiology (University of Dschang)
- Master's degree in Agriculture (Tokyo University of Agriculture)
- Expert in Rice Cultivation Techniques
- Autor of 08 research articles so far.



Kinshuku Essay Contest For Dream Support



Project to Create Free-Training Centers for
Agricultural and Environmental Studies for Climate
Change adaptation, Environmental Protection, and
Biodiversity Conservation in the Ten Regions of
Cameroon.

Outline



- *Introduction
- *Objectives of the Project
- *Description of the Project
- *Potential Constraints to the Project's Implementation
- *Conclusion



Introduction(1/3)



Background of the study.

- Agriculture is the main force driving Cameroon's economy.
- Hunger and Poverty can be significantly reduced if agricultural sector is well organized and developed.
- A lot of agrochemicals are used in Cameroon to increase crops yield and to fight against pest, weeds, and diseases.

Introduction(2/3)

Problem statement.

- Agrochemicals have negative impact on the environment.
- Expansion land area for agricultural activities causes environmental degradation and loss of biodiversity.
- In Cameroon, very little interest is given to these problems (main focus is on improvement of productivity, and transformation strategy)
- Climate change and scarcity of water will jeopardize the increase of food production.
- Current agricultural practices are not adequate to deal with climate change, and farmers will be severely affected if nothing is done.
- The population and farmers must understand how the environment is affected so that everyone can be involved in its protection.
- Till date schools in Cameroon are not providing detailed and concrete explanation to the students and populations, on how current agricultural practices affect the environment and the biodiversity, and these practices can not be efficient in tackling climate change.

Introduction(3/3)

- Currently I am a student in the graduate school of global environmental studies.
- My research focus is on how the aquatic ecosystem in Cameroon is affected by the agrochemicals that farmers use.



- My dream after my PhD, is to create at least one training centers in each of the ten regions of Cameroon where students will be given trainings free of charge.

Objectives

General Objective

To contribute to the protection of the environment, the preservation of the biodiversity, the sustainable production of food and the better adaptation to climate change, using environmentally friendly agricultural practices.

Specific objectives

- Create at least one training center in each of the ten regions of Cameroon.
- Training about 50 to 100 students in each training center every year.
- Create links and collaborations with Universities and Research Institutes both home and abroad.

Description of the Project

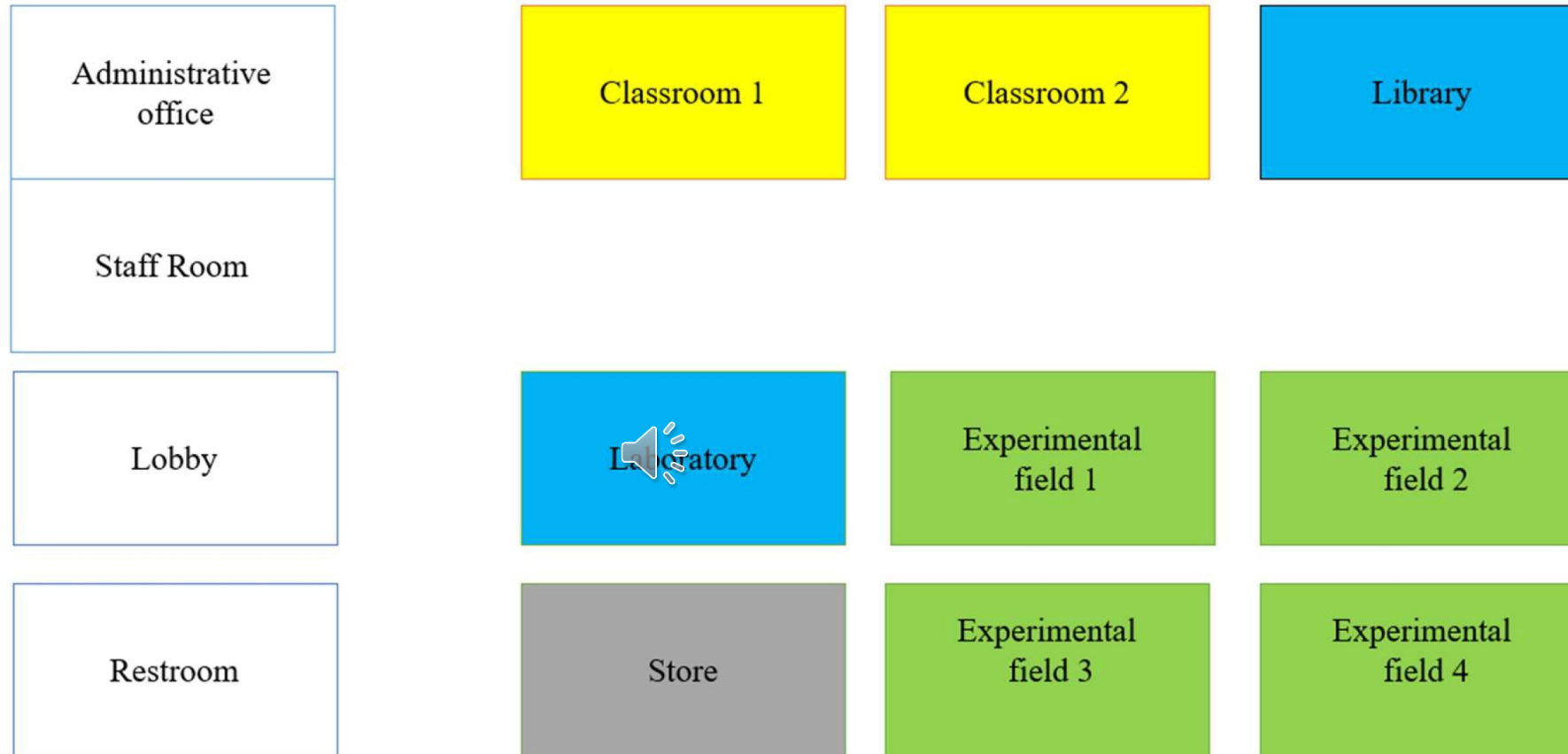
- **Create at least one training center in each of the ten regions of Cameroon. The first training center will be created in the South-West Region.**
- **Recruit Professors and Instructors (mostly volunteer researchers and university professors). Guest professors will be invited sometimes, farmers will be welcome into the facilities to share their experience with students.**
- **Each Training Center will admit 50 to 100 students every year (boys and girls).**
- **Students will be admitted in the form of grant and will receive training free of charge.**
- **The total duration of the training will be one year.**

Content of the trainings

- Learn how the current agricultural practices affect the environment and biodiversity.
- Understand the weaknesses of these practices in dealing with climate change.
- Study new agricultural practices that can produce high crop yield and have less or no impact on the environment and biodiversity conservation.



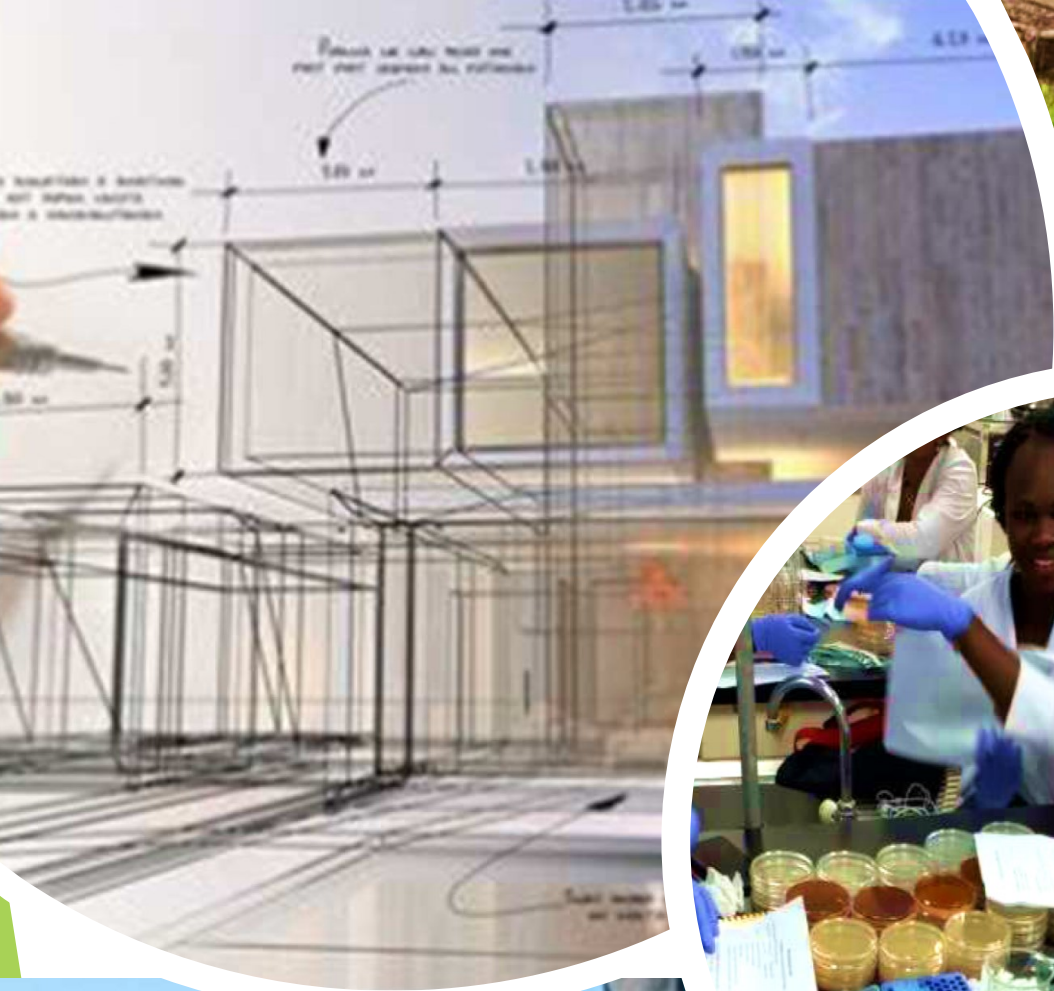
Preliminary compartments of each Training Center



Potential constraints



- It will require a lot of funds to put in place the physical infrastructures (Land acquisition, construction of buildings, buying equipment, putting in place experimental fields, equipping the library with books.
- Paying the administrative staffs and some professors and instructors.
- Adapting each training center to the specific type of crops that are adequate for the region.



Conclusion

- If I am lucky to be granted this scholarship, the money will be used to pay the architects that will design the first training center in the city of Buea in Cameroon.
- This will be a great first step in the realization of my dream that I very much intend to achieve with the support of Cameroon government, private sector, NGOs, and most especially Sophia University that I very much wish to have as my greatest supporter.





Words of Special THANKS
by
Ndille Claurence Nkumbe

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