

DETAILS OF PROJECT PLAN

Divisions		1 st year (2015)
Developing climate change curriculum	contents	① Developing undergraduate subjects of climate change ② Developing undergraduate textbooks of climate change
	outcome	① Undergraduate subjects and syllabi of climate change ② 2 types of undergraduate textbooks of climate change
Developing sustainable development curriculum	contents	① Developing undergraduate subjects of sustainable development ② Developing undergraduate textbook of sustainable development
	outcome	① Undergraduate subjects and syllabi of sustainable development ② 1 types of undergraduate textbook of sustainable development
Establishing educational infra-structure	contents	① Design of lecture room and its equipment ② Development of operation and management manual
	outcome	Equipment of lecture room, operation and management manual
Faculty Training	contents	① Training of faculty members (for undergraduate courses) ② Domestic training program (using undergraduate teaching materials) ③ Workshop : faculty members, government officers, relevant professionals involved
	outcome	Training program of faculty members and sourcebook Workshop sourcebook

A) Climate Change Education

○ Objective

- To develop subjects and textbooks of climate change for HUNRE in accordance with Vietnam's situation

○ Project contents

- To develop undergraduate subjects of climate change: to develop undergraduate subjects and syllabi of climate change in atmosphere-weather, water, waste, ecology-soil and education majors.

- To develop climate change textbooks.

○ Inputs

- The Team consisting of 5 researchers will develop undergraduate subjects and textbooks of climate change for HUNRE from March to November in the 1st year.

○ Outcome

- Climate change subjects: 5 undergraduate subjects and syllabi of climate change
- Climate change textbooks: 2 types for undergraduate textbooks of climate change

○ Strategies

- To facilitate the application of subjects and textbooks of climate change more effectively through the participation of research team of VKCET and faculty members of HUNRE in the process of developing subjects and textbooks of climate change.
- To enhance the capacity of faculty members of HUNRE and researchers of VKCET to develop subjects and textbooks through training sessions on developing climate change subjects and teaching materials.
- The developed subjects will be included in the curriculum of climate change and sustainable development, thus the development of this subjects and textbooks will be very helpful to get permission from Vietnamese Ministry of Education.

B) Sustainable Development Education

○ Objective

- To develop subjects and textbooks of sustainable development for HUNRE in accordance with Vietnam's situation.

○ Project contents

- To develop undergraduate subjects and syllabi of sustainable development in environment, society, economics, culture, and education majors.
- To develop textbook of sustainable development.

○ Inputs

- The Team consisting of 5 researchers will develop HUNRE's undergraduate subjects and one textbook of sustainable development of HUNRE from March to November in the 1st year.

○ Outcome

- Sustainable development subjects: 5 undergraduate subjects and syllabi of sustainable development
- Sustainable development textbooks: 1 type for undergraduate textbook of Sustainable development.

○ Strategies

- To facilitate the application of subjects and textbooks of sustainable more effectively through the participation of researcher team of VKCET and faculty members of HUNRE in the process of developing subjects and textbooks of sustainable development.

- To enhance the capacity of faculty members of HUNRE and researchers of VKCET to develop subjects and textbooks through training sessions on developing sustainable development subjects and teaching materials.
- The developed subjects will be included in the curriculum of climate change and sustainable development, thus the development of this subjects and textbooks will be very helpful to get permission from Vietnamese Ministry of Education.

C) Establishing Educational Infrastructure

○ Objectives

- Design low-carbon eco-friendly space in supporting educational facility such as laboratories and lecture rooms which are response to climate change pursue sustainable development.

○ Project contents

- Lecture room design: preparing equipment list for lecture room through research on various teaching media and tools for curriculum management and effectiveness, and installing appliances and furniture according to lecture room structure and activities.
- To develop the operation and management manual.

○ Inputs

- The Team consisting of 2 researchers will design lecture room and develop operation and management manuals from July to December.

○ Outcome

- Lecture room equipped with educational media for management of curriculum.
- Operation and management manual.

○ Strategies

- To develop manuals for the constructed lecture room and provide the training sessions for faculty members of HUNRE to build the capacity of the utilization and management of the laboratory and lecture room.
- To buy manageable educational facility and devices appropriate for Vietnam's situation

D) Faculty Training

○ Objective

- To Support the training of professional instructors who are capable of developing and providing the curriculum of climate change and sustainable development constantly.

○ Project contents

- To provide 2 training sessions on teaching methods, teaching materials and using laboratory and lecture room to faculty members of HUNRE and researchers of VKCET to operate the curriculum of climate change and sustainable development
- In the 1st year, faculty training will be held on developing subjects and textbooks of climate change and sustainable development
- To hold workshops for faculty members of HUNRE, researchers of VKCET, government officers,

and relevant professionals.

○ Inputs

- Training program (in Vietnam): 5 professors and 1 researcher for 3 months
- Training program (domestic): 5 professors, 3 researchers and 3 research assistants for one month
- Workshops (in Vietnam): 4 professors, 2 researchers for one month

○ Outcome

- Training programs and materials for professional instructors
- Training and workshop sourcebooks

○ Strategies

- To build capacity of government officers and professionals as well as professors in Vietnam regarding to climate change and sustainable development through training programs and workshops.
- To enhance capacity of faculty members to develop their own subjects and textbooks and to train professional instructors using programs from the training sessions and workshops.