

Promoting ESD through Food Agriculture and Environment Education in Elementary Schools and Rural Communities, Cambodia



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RCE-Greater Phnom Penh (RCE-GPP)

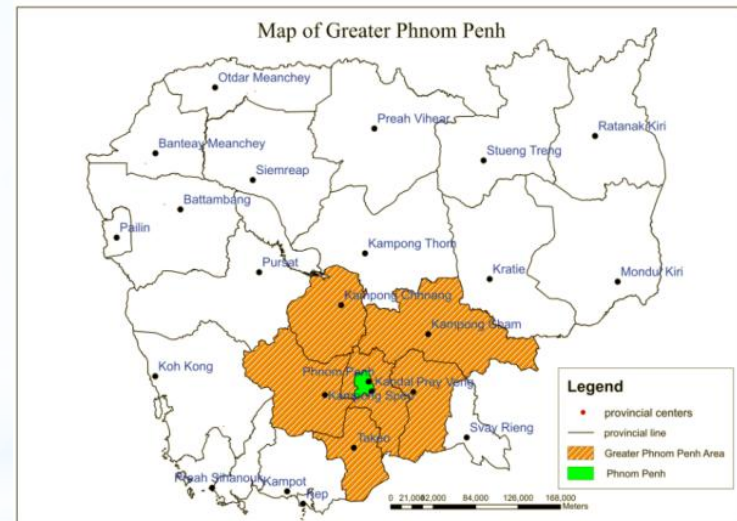
* RCE-Greater Phnom Penh (**RCE-GPP**) has been acknowledged by United Nations University, Institute of Advanced Studies (UNU-IAS) on 26 December 2009.

The stakeholders of RCE Greater Phnom Penh are:

- Royal University of Agriculture (RUA) and the Institute of Environment Rehabilitation and Conservation, Cambodia Branch (**ERECON Cambodia**) which work as coordinators.
- Cambodia governmental Institutions
- Elementary schools and local communities in Kampong Cham as well as private sectors.
- Tokyo University of Agriculture, the Institute of Environment Rehabilitation and Conservation, Japan, and the Association of Environmental and Rural Development, Thailand, work as the external advisory panel

Introduction

- * Agriculture is one of the important sectors in Cambodia.
- * 70% of labor force engages in agricultural sector
- * RCE Greater Phnom Penh covers 6 provinces surrounding Phnom Penh Capital,



Introduction

- In Kampong Cham province, mono cropping based on conventional farming system by applying chemical fertilizer and pesticide become a major style.



Conventional
Farming
System



Inputs



Pesticide



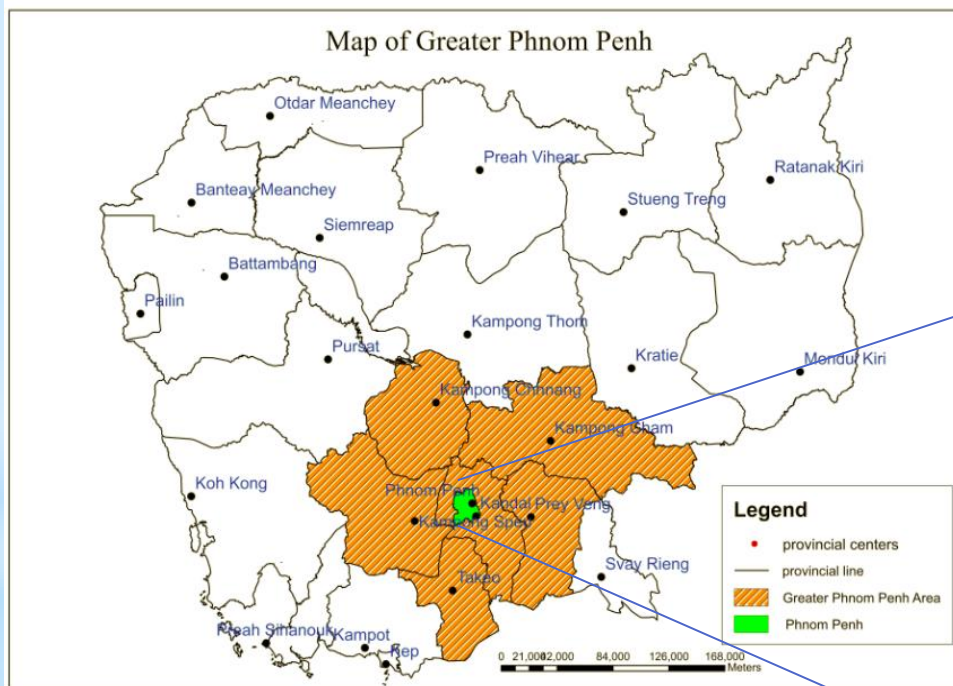
Chemical fertilizer

Impact

- * To human health
- * To non-target organisms
- * To environment

Target area

11 villages located in Samroung commune, Phrey Chhor district, Kampong Cham province, Cambodia, are selected as target area.



Target People and Project activities

The food, agriculture and environment education have been focused for sustainable development in the area of Greater Phnom Penh.

Approaching local farmers



Sustainable farming practices such as producing and applying compost, pellet compost, liquid bio-fertilizer and bio-pesticide have been promoted

Students are the successors in the future

Approaching elementary school teachers and students



Outcomes of activities 2014

Meeting about project activity with farmers



Farmers is making compost



Farmers practice how to make pellet compost



Promoting ESD through the food, Agriculture and Environment Education at local farmers

Observing vegetables with Low Chemical input



Holding meeting with project member about sale vegetables



Farmers 'group observe marketing survey skill for local market price



Field practice about committee member evaluate organic vegetables



Farmers sale vegetable with Low Chemical input at SSAP shop



Farmers and teachers join technical training in Thailand



Outcomes of activities 2014



Promoting ESD program at elementary school teachers and students



School garden at elementary school



Meeting with school director to discuss about the progress of student activity

Promoting ESD through the food, Agriculture and Environment Education at Elementary schools



Vegetable garden at elementary school



Student collect raw material to make compost

Provide technical training about microorganism to elementary school teacher

Assessment and Evaluation

- * RCE-GPP has been implementing activities with other RCEs around the world on “Education for Sustainable Development (ESD) program of 2005-2014”.
- * RCE-GPP has invited all the stakeholders to join assessment and evaluation workshop with a view to do self-evaluation, measure the strength of the activities in promoting ESD in the region of Greater Phnom Penh for almost 10 years.
- * Moreover, data collection from the workshop will include importantly considering points to further develop frameworks of RCE-GPP activities in the future.



Conclusion

- * The activities of RCE Greater Phnom Penh are in line with the global aspiration of sustainable production and consumption embracing the pillars of sustainability-economic, environmental and social.
- * ESD is the most important key word of sustainable development not only for economic benefit, but also environment development.
- * We believe the mainstream of RCE-GPP will contribute to social development. Through the activities, ESD is introduced in schools and the school curriculum integrates sustainable farming and ESD.
- * Accordingly, the activities of RCE Greater Phnom Penh are contributing to green growth, sustainable production, and sustainable consumption, to achieve global sustainable development.

Thank you very much for your kind attention!

