



**- Making a Difference -**

Scientific Capacity Building & Enhancement for Sustainable Development in Developing Countries

# **Guidelines for Environmental Education Focusing on Environmental Ethics and the Human Dimensions of Global Change**

**Progress Report for Year 1  
of APN CAPaBLE Project:  
2005-CB02-NMY-Taniguchi**



# **Guidelines for Environmental Education Focusing on Environmental Ethics and the Human Dimensions of Global Change**

**Project Reference Number: [2005-CB02-NMY-Taniguchi](#)**

**Progress Report Submitted to APN for Year 1 Activities**

## **Part One: Overview of project work and outcomes**

### **1. Introduction and background:**

In order to assist in the development and promotion of knowledge of natural science related to global change research, the International Symposia and workshops aim to share viewpoints of knowledge and expertise from invited guests in the fields of natural sciences, social sciences, and human sciences.

Studies on environmental education have not yet been sufficiently integrated to solve environmental issues. In order to have a common understanding of environmental issues based on environmental ethics, internationally recognized guidelines for environmental education need to be established. The symposia and workshops aim to establish preliminary guidelines and discuss the role of networks in the Asia-Pacific region in environmental education. "Environmental Education" is embedded into all "natural and social sciences."

The project will be conducted jointly by the University of Malaya and the Konan University, Kobe Japan. Professor Taniguchi will take the lead in organising the first symposium and to be held in January, 2006 in Kobe. Professor Baharuddin will take the lead in the second year where the second symposium and workshops will be held in Malaysia. The project and its activities will focus around the symposia/workshops: Key note speeches, Lectures by leading researchers, Panel discussions, Hands-on training and workshops, Development of materials, establishing an outline for the role of networks in environmental education and dissemination activities. The symposia and workshops in the second year will further develop the outcomes of the first set of symposia and workshops.

### **2. Participating countries:**

- Australia
- Canada
- China
- India
- Japan
- Malaysia
- Nepal
- New Zealand
- Thailand

### **3. Objectives:**

- To make full use of participating countries experience & knowledge of global change research to formulate guidelines for environmental education & sustainable development
- To fill the existing gaps among teachers & other stakeholders involved such as global change experts, decision-makers; etc., by developing methods/modules for environmental education that can be used as a basis for countries in Asia.
- Discuss how to mobilise these experiences particularly, for this project, in the Asian context
- Discuss the potential roles of networks in the Asia-Pacific region with respect to environmental education and sustainable development and begin to formulate/develop guidelines for environmental education
- The outcomes of both sets of symposia and workshops will be used to formulate guidelines that can be used by countries in Asia to develop environmental education guidelines to suit the needs of their own countries.

### **4. Funding received for 2005/2007:**

### **5. Outcomes and products against original proposal objectives:**

#### **Some of outcomes of the project**

- (1) To hold a symposium and workshops that will:
  - a. Elaborate the concept of environmental education that focuses on ethics and the human dimensions of global change.
  - b. Elaborate and identify the potential role of networks such as APN in the region.
  - c. Establish skeletal guidelines for environmental education that are flexible to suit the needs of countries in the Asian region.
- (2) To hold short courses/workshops and site visits in order to: develop Curriculum and Materials, and develop documentaries on DVD/CD-ROM.
- (3) To introduce curricula and models that can be used in mainstream education systems.
- (4) To publish and disseminate information on environmental education and sustainable development that highlights the latest discoveries, techniques, technologies, and strategies for environmental sustainability.
- (5) To establish a network of resource persons for environmental education and sustainability.
- (6) To establish empowered communities who have increased awareness of their roles and contributions to environmental and sustainable issues.

#### **A Product:**

- **Programme of International Symposium: Establishing Guidelines for Environmental Education Based on Environmental Ethics**

## **6. Self evaluation of work performed to date:**

■Report of the International Symposium: *Establishing Guidelines for Environmental Education Based on Environmental Ethics*, January, 2006

We held the first International Symposium from January 28<sup>th</sup> -30<sup>th</sup>, 2006 in Kobe having 314 participants, in order to assist in the development and promotion of knowledge of natural science related to global change research.

The objective of the symposium is to establish preliminary international guidelines for environmental education and, in the process, establish initial partnerships in the Asia-Pacific region between many countries including Australia, Canada, India, Japan, Malaysia and Thailand.

In this symposium, we discussed that we progressed the Asia-Pacific Region Network, shared the basic terms and materials on environmental education, standardized environmental education crossing the various study fields, such as natural, social and human sciences.

On Day 1 of the symposium, Keynote Speech I *Development of Environmental Education in Japanese Museum* by Dr. Shiro NAKAGAWA, President of Japanese Association of Museums, Keynote Speech II *Proposal of Environmental Education Based on Religious Ethos* by Prof. Azizan BAHARUDDIN, Malaya University in Malaysia, Keynote Speech III *Development of Environmental Education in Japan and Environmental Education Based on Environmental Ethics* by Prof. Fumiaki TANIGUCHI, Konan University in Japan were presented. The focus of these speeches and a panel discussion was the Standardization of Global Guidelines for Environmental Education Based on Environmental Ethics made by pioneering scholars and practitioners from Asia-Pacific countries.

On Day 2, two workshops were held. The first was on developmental procedures to create materials for coastal environmental education, and the second focused on demonstrating e-Learning activities in environmental education programmes between universities. The aim of the workshops was to improve the quality of teaching and training skills for environmental education for the general public, teachers, NGOs and local government officials. A second panel discussion focused on Common Materials for Environmental Education in the Asia-Pacific Region.

On Day 3, the organizers promoted the establishment of preliminary Guidelines for Environmental Education Based on Environmental Ethics. These guidelines have been generated from a specialists' study meeting and will incorporate environmental education as well as outline the role of networks in the region in implementing the guidelines at local, national and regional levels.

And we discussed about the left half of the project plan in Malaysia for next year how to hold the second symposium and how to carry out the project fully aiming to establish more universal guidelines and important roles of networking in environmental education in the Asia-Pacific region.

As self-evaluation and the result of the discussion we have decided to have the Joint Meeting in August, 2006, in Bangkok so as to get the expanded information from Thailand and Nepal at the Satellite Symposia at the International Conference on *Education of Health and Environmental Education*. Therefore, we have to postpone the date of the second conference in Malaysia to 30 April-4 May, 2007.



■Report of Satellite Symposia in August, 2006(Joint Meeting at Phranakhon Rajabhat University in Bangkok, Thailand)

Satellite Symposium I: *Common Materials for Environmental Education in the Asia-Pacific Region: Establishing International Guidelines for Environmental Education (II)*-Joint Meeting-, coordinated by Prof. Azizan Baharuddin, of Malaya University, Malaysia, and Satellite Symposium II: Demonstration of Environmental Education Using On-line TV net Meeting System Between Japan and Thailand, coordinated by Professor Fumiaki Taniguchi of Konan University, Japan, were held on 19-20 August 2006 at the Phranakhon Grand View Hotel and Phranakhon Rajabhat University, in Bangkok.

These symposia, which were organized jointly by the Japan Academy for Health Behavioral Science, the International Association of Earth-Environment and Global-Citizen, and Phranakhon Rajabhat University, were attended by over 150 people from Canada, Japan, Malaysia, Nepal and Thailand.

The Symposia aimed to use the experience and knowledge, of participating countries', on global change research to formulate guidelines for environmental education and sustainable development. They also hoped to fill existing gaps among teachers and other stakeholders involved, such as global change experts, decision-makers, etc., by developing methods/modules for environmental education, to be used a base for countries in Asia.



During the symposia, there were several presentations given by experts in their field. Professor Manoj L. Shrestha of Konan University, Nepal, presented on the Common Materials for Environmental Education and Guidelines: Public Awareness, Management and Biodiversity by Professor Nancy J. Turner of University of Victoria, Canada, gave a talk on Environmental Education Materials: Some Examples from British Columbia, Canada.

Dr. Jariya Boonjawat, Associate Professor of Chulalongkorn University, presented on Environmental Education Materials Focusing on the Global Change Research and then Dr. Songpol Sukkijbumroong, Professor of Phranakhon Rajabhat University, presented a Case Study of Environmental Education Materials from the Capacity Building Aspects at the Environmental Education Center.

The symposia resulted in the recognition of the real environment, particularly the indigenous environment, as means to fill the various gaps among developed countries and developing countries, and also among experts, teachers and other stakeholders.

It was stressed that it is necessary to establish a fundamental framework that focuses on environmental ethics consisted by soft moral frameworks in the environmental context beyond the scientific dualism.

The need to establish flexible guidelines of environmental education applicable to stakeholders that will cut across all Asian countries was also emphasized. Lastly, it was realized that in order to acquire quick information on environmental education, an on-line TV net meeting system between Japan, Malaysia and other countries concerned with the project must be set up.



*Participants of the Satellite Symposium I: Common Materials For Environmental Education in the Asia-Pacific Region coordinated by Prof. Azizan Baharuddin, Malaya University, Malaysia and II: Demonstration of Environmental Education Using On-line TV Net System between Japan and Thailand coordinated by Prof. Fumiaki Taniguchi, Konan University, Japan*

#### Outcomes:

Four expert presentations, which focused on the (i) Common Materials for Environmental Education and Guidelines: Public Awareness, Management and Biodiversity presented by Prof. Manoj L. Shrestha, Professor of Konan University, Nepal, (ii) Environmental Education Materials: Some examples from British Columbia, Canada presented by Prof. Nancy J. Turner, Distinguished Professor of University of Victoria, Canada, (iii) Environmental Education Materials focusing on the Global Change Research presented by Dr. Jariya Boonjawat, Associate Professor of Chulalongkorn University, Thailand, and (iv) Case Study of Environmental Education Materials from the Capacity Building Aspects at the Environmental Education Center, Phranakhon Rajabhat University, presented by Dr. Songpol Sukkijbumroong, Professor of Phranakhon Rajabhat University, Thailand.

The key lines that came out of discussions were:

- To have realized the real environment, namely indigenous environment to cover in the various gaps among developed countries and developing countries, and also among experts, teachers and other stakeholders.
- To establish the fundamental framework focusing on environmental ethics

consisted by soft moral frameworks in the environmental context beyond the scientific dualism.

- To establish the flexible guidelines of environmental education applying to many countries and to stakeholders.
- To have to use on-line TV net meeting system between Japan, Malaysia and other countries concerned with our project in order to acquire quick information on environmental education.

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## **Part Two: Request for project continuation**

### **7. Definitive project targets for 2006/2007**

#### **Conference Outline:**

- Theme: International Symposium: Establishing Guidelines for Environmental Education Based on Environmental Ethics (III)
- Dates: 30 April - 4 May 2007 (Tuesday – Thursday)
- Venues: University of Malaya, Kuala Lumpur  
Guest House, Lecture Hall Complex, Rimba Ilmu Museum  
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- (Session I) Keynote Address I:  
Prof. Azizan BAHARUDDIN, University of Malaya, MALAYSIA  
"Orientation of the Framework for Guidelines of Environmental Education based on Environmental Ethics and Religious Ethos"  
Keynote Address II:  
Prof. Fumiaki TANIGUCHI, Konan University, JAPAN  
"Orientation of the Framework for Guidelines of Environmental Education based on Practice of Environmental Education"
- (Session II) Symposium: Model Programme for Environmental Education: Perspective of Various Culture
- (Session III) Symposium: Analyses of Case Studies on Implementation of Environmental Education in the Asia-Pacific Region
- (Session IV) Workshop
  - Prof. Gloria SNIVELY, University of Victoria, CANADA  
"Practical Environmental Education based on Analysis of Case Studies on Education Programme"
- (Session V)  
-DRAFTING COMMITTEE- The Skeleton of Guidelines of Environmental Education  
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During the symposium, day 1 will have a number of keynote speeches from invited lecturers. This will be followed by a number of presentations that focus on Environmental Education. The focus of these speeches and presentations will be to call for the planning of a set of guidelines for Environmental Education in schools and will be made by pioneering scholars and practitioners from Asia-Pacific countries. The symposium audience will then have an opportunity to exchange opinions during an open and dynamic dialogue session with the presenters.



On day 2, a workshop will be held. The aim of the workshops is to improve the quality of teaching and training skills for environmental education for the general public, teachers at the primary, secondary and tertiary levels as well as NPOs/NGOs and local governments.

On day 3, the organizers will promote the establishment of guidelines (outline) for environmental education. These preliminary guidelines will be generated from a drafting committee and will form the backbone of guidelines that can be dynamically flexible to suit the needs of different countries in order to incorporate environmental education into mainstream education. In addition to this, the second symposium will build on the work of the first and target networks in the Asia-Pacific Regions with a specific focus on suggesting a potential role for these networks in promoting environmental education and sustainability through Asia and the Pacific.

The two symposia and workshops being held in Kobe Japan and Kuala Lumpur Malaysia in Year One and Two, respectively; will target educators from various sectors including primary, secondary and tertiary education sectors. These teachers/educators will actively participate in the organised symposia and workshops. The outcome of the project will be a backbone set of guidelines that can be adapted and used by educators throughout Asia and the Pacific as well as other professionals from a number of sectors, including local governments and civil society to increase the much-needed awareness of the importance of environmental education for sustainable development.