

MICROFICHED

ARC SER



July 1, 1997 - June 30, 1998

1. WHAT IS EEPSEA?

The Economy and Environment Program for Southeast Asia was established in May 1993 to support training and research in environmental and resource economics. Its goal is to strengthen local capacity for the economic analysis of environmental problems so that researchers can provide sound advice to policymakers. The program uses a networking approach to provide not only financial support but meetings, resource persons, access to literature, publication outlets, and opportunities for comparative research across its ten member countries. These are Thailand, Malaysia, Indonesia, the Philippines, Vietnam, Cambodia, Laos, China, Papua New Guinea and Sri Lanka.

EEPSEA's structure consists of a Sponsors Group, comprising all donors contributing at least USD 100,000 per year; an Advisory Committee of senior scholars and policy makers; and a small Secretariat in Singapore and the Philippines. EEPSEA is a project administered by the International Development Research Centre of Canada (IDRC) on behalf of the Sponsors Group. (IDRC is a public corporation created in 1970 to support research in developing countries.)

Typically, researchers learn about EEPSEA by various means and apply for a research or training award. Most applicants attend one of EEPSEA's courses before or in conjunction with their research project. Budget ceilings for research projects are USD 15,000-22,000, depending on the country, exclusive of a small honorarium. Researchers may be affiliated with a university, government or non-government organization and grants are normally made to that institution. Most projects are carried out by teams of researchers.

Proposals are sent to experts for written review. Those recommended for further consideration must then be revised and presented in a working group meeting at the next EEPSEA biannual meeting. Further revisions are usually called for, until the project is judged satisfactory and a grant approved. After approval, interim findings are presented and critiqued every six months until the project is completed. Researchers receive frequent technical assistance and literature from the Secretariat and resource persons. Final reports from successful projects are widely disseminated by EEPSEA and by the researchers themselves through publications, the media, and consultations with policy makers.

The selection process for both training and research awards is highly competitive. Of 130 applications for our 1997 course, 27 were accepted. Approximately one application in three for research awards is accepted. To date, EEPSEA has provided training to some 150 people and supported about 65 research projects.

2. CONTEXT AND HIGHLIGHTS

Key features of the region's research environment that condition EEPSEA's approach to capacity building include extreme diversity across countries with respect to income levels, population and research capacity; rapid change in economic growth and infrastructure; the high profile accorded mainstream economics; and a relatively strong research infrastructure in many countries.

July 1998 marked one full year of economic turbulence as currencies and stock markets in most ASEAN countries plummeted. What began as financial crisis had spread to the "real" economy by early 1998 and many countries experienced recessions and the highest rates of unemployment in fifteen years. Effects on the environment are likely to be significant, though difficult to identify with confidence; these may be negative, positive or ambiguous. Public and private budgets for pollution control appear to be shrinking; on the other hand, financing for mega-projects with dubious environmental impacts (e.g. some large dams and road-building projects) is also reduced. Urban unemployment may increase migration to rural areas and intensify resource exploitation. Currency devaluation will also shift the composition of imports and exports, with effects that are difficult to foresee.

The other dramatic event that affected the region in 97/98 was Indonesia's forest fires, which resulted in the burning in of some 5 million hectares of land. The resulting smoke blanketed the region, affecting some 70 million people, in one of the worst environmental disasters of the century. EEPSEA was an important actor in the response to the fires, working with the World Wide Fund for Nature to estimate the economic cost of the haze and fire, and bringing these results to the attention of senior government officials, NGOs and the media. (More than 100 media citations of the EEPSEA/WWF study were recorded.)

As EEPSEA's exposure grows and the WorldWideWeb becomes increasingly accessible, EEPSEA has attracted more applications from SE Asians in overseas PhD programs. The number of thesis awards increased noticeably and included two awards to Papua New Guineans. EEPSEA now has activities in all ten member countries. Following the publication of EEPSEA's first Research Report in 1997, eight others were published in 97/98. These highlights and other activities are described in more detail in subsequent sections.

3. TRAINING

EEPSEA explored a wide range of training options in its first four years, beginning with a five-week course at the Harvard Institute for International Development and including others as they become available. These included short courses in Sweden and Australia; a correspondence course from Wye College in UK; a two-year MSc at York in UK; and postdoctoral fellowships in Canada.

In 1997, the overseas short courses were de-emphasized as EEPSEA organized more of its own courses. A new addition in June 1997, and the centerpiece of EEPSEA's training program, was the five-week course in Los Banos, Philippines. This was offered for the second time in June 1998.

a) Regional Short Course in Los Banos

A regional short course had been planned since EEPSEA's inception and was deferred, primarily because of the amount of work required to design and administer it. With the hiring of a part-time Deputy Director in May 1996, this constraint was reduced. The course was offered for the first time in June 1997 in Los Banos, Philippines and repeated in 1998.

This five-week course in environmental and resource economics took place at the Southeast Asian Regional Centre for Graduate Studies in Agriculture (SEARCA) in Los Banos, Philippines. In 1998, it included a cash contribution of about USD 75,000 from EDI. Some of this was for a module on the effects of economy-wide policies on the environment. with EEPSEA researchers and EDI-affiliated senior government officials.

The course was announced in October 1997. 91 applications were received from EEPSEA member countries, of which 27 were accepted.

The curriculum was adapted from EEPSEA's five-week course in Vietnam; the curricula of overseas short courses; EDI curricula; and content provided by the instructors. The course concluded with a three-day session on proposal preparation, in which participants designed research projects for submission to EEPSEA.

An MSc in economics was the minimum qualification for the course. However, to accommodate participants without this qualification, EEPSEA offered a four-week preparatory course on essentials of economics prior to the five-week environmental economics course. This was taught by faculty of the University of the Philippines at Los Banos. Ten applicants to the environmental economics course were enrolled in the preparatory course. Of these, four passed and went onto the five week-course.

Course Outline

Module 1 (8 days): *Economics of Natural Resources*
Nancy Olewiler, Simon Fraser University, Canada

Module 2 (5 days): *Pollution and Economic Instruments*
William Barron, University of Hong Kong

Module 3 (7 days): *Extended Cost-Benefit Analysis and Valuation Techniques*
Myrick Freeman III, Bowdoin College, USA

Module 4 (3 days): *Economy-Wide Issues*
John Whalley, UWO/Warwick, Canada/UK

Module 5 (3 days): *Proposal Preparation*
John Whalley, David James, Camille Bann, Jack Ruitenbeek

Module 6 (3 days): *Special Module on the Action-Impact Matrix (AIM)*
Approach to Economy-Wide Issues
Wilfrido Cruz, EDI

The distribution of 27 participants selected in 1998 was as follows:

Cambodia	5	Philippines	7
China	4	Sri Lanka	2
Indonesia	1	Thailand	5
Malaysia	15	Vietnam	2

The students were tested each week. The grades were used to provide feedback on the level of difficulty of the course and to assess graduates' suitability for future work with EEPSEA.

b) Other Training Activities

Nine-month post-doctoral award, University of British Columbia, Canada Dr. Zenaida Sumalde, University of the Philippines at Los Banos (F)

4. RESEARCH

Proposals continue to be received on a wide range of topics, including water; policies for control of urban pollution; and environmental impacts of agriculture. There is also growing interest in trade & environment and computable general equilibrium modelling of economy & environment linkages.

In 1997/98, fifteen projects were approved, four of which were PhD thesis awards:

- *China's Paper Industry: An Examination of Growth and Environmental Impacts During Economic Reform.* Jintao Xu, Virginia Polytechnic Institute, Blacksburg, USA (PhD thesis award).
- *Farm Chemicals, Rice Production and Environment in China.* Jikun Huang, Chinese Academy of Agricultural Sciences.
- *Modelling Causes of Forest Changes within a Socio-Economic Context - China as a Case Study.* Zhang Yaoqi, University of Helsinki (PhD thesis award).
- *Economic Analysis of Groundwater Extraction in Jakarta, Indonesia: Optimal Surface and Groundwater Allocation, Institutional Arrangements and Pricing Strategies.* Yusman Syaukat, University of Guelph (PhD thesis award).
- *The Environmental Costs of Artisanal Gold Mining in the Philippines.* Danilo Israel, Policy and Development Foundation, Philippines.
- *Impact of Trade Liberalization on the Environment: The Case of Tariff Reduction for Potato in Sri Lanka.* Jeevika Weerahewa, H. B. Kotagama, and Sunil Thrikawala, University of Peradeniya, Sri Lanka.
- *Water Quality Improvements: A Contingent Valuation Study of the Chao Phraya River.* Churai Tapvong, Sukhothai Thammathirat Open University, Thailand.
- *Economic Analysis of Salinity Problems in the Mahaweli - H Irrigation Project in Sri Lanka.* Selliah Thiruchelvam, University of Peradeniya, Sri Lanka.
- *The Distributional Impacts of Climate Change Mitigation Policies in Indonesia.* Agus Sari, University of California at Berkeley, USA (PhD thesis award).
- *Electricity Pricing for North Vietnam.* Nguyen Van Song, Hanoi

Agricultural University #1.

- *Comparative Analysis of Alternative Forest Management Systems in the Mekong Delta, Vietnam*. Mai Van Nam and Nguyen Tri Khiem, Cantho University.
- *Existence Value of Tropical Forests in Papua New Guinea*. Billy Manoka, University of Massachusetts, USA (PhD thesis award).
- *Transactions Costs of Coastal Community-Based Resource Management Projects in the Philippines*. Zenaida Sumalde, University of the Philippines at Los Banos
- *Cost-Benefit Analysis of Controlling SOx Emissions from Fossil Fuel Fired Plants in Manila*. Elvira Orbeta, Resources, Environment and Economics Centre for Studies, Philippines.
- *The Economy-wide Impacts of Integrated Pest Management in Indonesia* - Budy Resosudarmo, University of Indonesia

5. SPECIAL REPORT ON FIRE & HAZE DAMAGE

Between October 1997 and May 1998, EEPSEA collaborated with the World Wide Fund for Nature on a study of the **economic value of damages from the 1997 fires & haze in Indonesia**. Results were presented to a 1998 meeting of ASEAN Environment Ministers, as input to the formulation of a regional haze action plan. The findings were also discussed as the first agenda item in a Meeting of the UN General Assembly Committee on Humanitarian & Social Affairs, chaired by the Undersecretary General of the UN on June 2. Close to 100 media citations have been recorded, including Financial Times, BBC, CNN, Globe & Mail, Washington Post and International Herald Tribune (see Annex 1 for a complete list). After the report was submitted to the ASEAN Environment Ministers meeting in February, Singapore's Minister said the following:

"Asked how much help [in dealing with Indonesia's 1998 fires] Singapore could provide with a planned tight budget for this year, he said: 'Even with a tight budget, we have to prioritize because if we do not help them, the economic losses to us and the entire region are tremendous... Whatever we can spend to help will be money well spent.'" (Straits Times, Feb. 26/98).

The resulting interviews and inquiries from the media has secondary benefit: they served to expand EEPSEA's contacts with the media enormously, so that we are now part of their roster of experts, frequently called on to comment on the fires and other environmental issues.

The final report is scheduled for publication as a book in early 1999. A summary of the study can be viewed at the EEPSEA Website.

6. WORKSHOPS

Every six months EEPSEA holds workshops in Singapore, during which new proposals, reports on work in progress, and talks by international resource persons are presented and discussed. These biannual workshops were held November 19-22, 1997 and May 12-15, 1998 and were attended by about fifty participants. Workshops now include sessions on Day 1 and Day 3 in which researchers spend 1-3 hours with the resource persons assigned to their projects to prepare their presentations and to review comments made during the workshop and clarify what revisions are needed. The format for the formal sessions remains unchanged, with about half the time devoted to plenary sessions and half to working groups. Plenary talks by international resource persons are include "how to do it" presentations of methodology, based on personal experience; emerging

themes and policy issues; and case studies of practical applications. The range of resource persons attending the meetings is increasing and includes more experts from the region and nearby (e.g. Taiwan, Hong Kong and Australia).

EEPSEA's ninth biannual workshop in November 1997 was the largest so far, with over sixty people in attendance. Associated meetings were held with ASEAN, World Bank-EDI, WWF, and the Environmental Economics Network for Latin America and the Caribbean. (The Director of the Environmental Economics Network for East & Southern Africa attended the May 1998 workshop.) Plenary talks dealt with climate change negotiations, the SE Asian haze of 1997, the effects of the financial crisis on the environment, and other topics.

7. DISSEMINATION & IMPACT

a) Media Exposure

For a list of media citations from the fire & haze report, see Annex 1.

EEPSEA projects in China and the Philippines were featured in a series of educational videos called "Preserving the Legacy". The videos are designed for university audiences and deal with environmental protection.

b) EEPSEA Publications

The first of EEPSEA's Research Reports appeared in May 1997. The series consists of selected final reports, edited, abridged and subjected to peer review. Editing and printing is done in the Philippines. A two-page Policy Brief summarizing the study's main findings is available for most Research Reports. The following Research Reports were published in 97/98:

Pricing for Industrial Use of Groundwater in Manila - Maria Corazon M. Ebarvia

An Economic Analysis of Tropical Land Use Options in Ratanakiri Province, Cambodia - Camille Bann

An Economic Analysis of Alternative Mangrove Management Options in Koh Kong Province, Cambodia - Camille Bann

Overfishing in the Philippine Marine Fisheries - Danilo Israel and Cesar Banzon

Understanding Household Demand for Water: The Metro Manila Case - Cristina David and Arlene Inocencio

The Economic Valuation of Tropical Forest Land Use Options: A Manual for Researchers - Camille Bann

The Economic Valuation of Mangroves: A Manual for Researchers - Camille Bann

The Value of Improved Water Quality for Recreation in East Lake, Wuhan, China: Application of Contingent Valuation & Travel Cost Methods - Du Yaping

Tradable Discharge Permit System for Water Pollution of the Upper Nanpan River, China - Wendong Tao, Weimin Yang, and Bo Zhou

Economic Valuation of Mangroves and the Roles of Local Communities in the

Conservation of Natural Resources: Case Study of Surat Thani, South of Thailand - Suthawan Sathirathai.

c) Other Publications & Events

Two textbooks on environmental economics in local languages have been published or are in preparation. Published in Chinese is a textbook by EEPSEA researcher Fan Zhang; in preparation is a textbook in Thai by EEPSEA researcher Churai Tapvong and associates. Both draw heavily on EEPSEA materials.

Reports from three EEPSEA-sponsored projects were presented at the international conference of the Western Economics Association in Bangkok in January. Six EEPSEA researchers presented their work at a conference on East Asian Environmental and Resource Economics and Policy in Taiwan in March. Two EEPSEA researchers presented their work at the inaugural meeting of the Philippine Association of Environmental and Resource Economists in January.

EEPSEA resource person Jack Ruitenbeek presented a lecture on valuation methods at the Centre for Ecological Economics, Chulalongkorn University, Thailand. This activity, co-financed with Chulalongkorn, was one of several which inaugurated the Centre's Masters program in ecological economics.

The Philippine Association of Environmental and Resource Economists held its inaugural meeting, with EEPSEA support, in January.

A report summarizing EEPSEA's first five years was prepared. The document, in an attractive format, will be published in October 1998.

d) Alumni

Several past and current EEPSEA researchers have benefitted from the experience gained in EEPSEA to move into positions of responsibility in environmental policy. Recent "alumni" include:

- *Tho Thi Thuy Hung* Program Officer, UNDP, Vietnam
- *Tran Nguyen Anh Thu* Program Officer, UNDP, Vietnam
- *Jiahua Pan* Senior Program Officer, UNDP, China
- *Budhi Sayoko* Senior Program Officer, UNDP, Indonesia
- *Xuelin Liu* Senior Economist, African Development Bank
- *Malik Ranasinghe* Visiting Lecturer, National University of Singapore
- *Du Yaping* Assistant Editor, World Economy and China
- *H.B. Kotagama* Member, Presidential Committee on SAARC Economic Issues, Sri Lanka
- *J. Weerahewa* Member, Presidential Committee on SAARC Economic Issues, Sri Lanka

e) Website

The Website was considerably expanded to include more EEPSEA Special Papers, Research Reports, Policy Briefs, information about courses and fellowships and links to several other environmental economics Websites. The linked Websites include the Beijer Institute, IIED/CREED, Resources For the Future, World Bank, CSERGE, EEU (University of Goteborg), EEEM (University of York), Nautilus Institute, and the Wuppertal Bulletin of Ecological Tax Reform. By clicking on these links one can find news about publications, courses, conferences and other environmental economics events around the

world. Several of these sites have reciprocal links to EEPSEA. New links added in 97/98 include:

Environmental Economics Network for Latin America and the Caribbean (REALAC)
East Asian Economic Association (EAEA)
International Society for Ecological Economics (ISEE)
Tata Energy Research Institute (TERI)

The site received about 60,000 "hits" or visits in 97/98. This is about 5,000 hits per month, compared to 1,450 per month in 96/97. As of June 1998, hits were running at over 8,000 per month.

8. NETWORKING AND COLLABORATION

EEPSEA continues to play an important role as an information clearing house and resource base for the region. A major expansion of the outreach program was undertaken in 1996, including expansion of the Website and mailing list. These need to be continuously maintained, improved and updated. Efforts have begun to facilitate the formation of national environmental economics associations, which can serve as a link with EEPSEA's regional program.

Collaboration with other organizations active in environmental economics continues. Agencies with which EEPSEA is in frequent contact include World Bank, EDI, IIED, the University of Goteborg, the Beijer Institute, ADB (particularly its APREETA training program in extended cost-benefit analysis), the EENESA and EENLAC environmental economics networks in Africa and Latin America; and the AERC macroeconomics network in Africa.

9. MANAGEMENT

a) Secretariat

David Glover (Director) and Catherine Ndiaye (Program Assistant) continued as full-time employees of the Secretariat. Herminia Francisco (Deputy Director) reduced her time commitment from 80% to 60% to allow more time for teaching at the University of the Philippines, Los Banos. Jariah Saad joined the Secretariat as Secretary, 20% time.

b) Advisory Committee

Jeremy Warford and Marian de los Angeles completed their terms and left the Committee, while Ma Zhong of Renmin University, China joined.

c) Sponsors Group

The Group held its annual meeting in Singapore in May 1998 to review and approve the Annual Program of Work & Budget. The Department for International Development, UK (formerly Overseas Development Authority) left the Sponsors Group following a re-ordering of the agency's priorities.

Annex 1

Media Citations: EEPSEA / WWF Haze Damages Report

February 25 - August 17, 1998

The following are the media citations recorded by EEPSEA & WWF. The actual number is probably far higher. Given the coverage sampled here and distribution by news services like Reuters, it probably appeared in every major newspaper in the world. The citations are in two sections: those resulting from the February press release about haze damages; and those resulting from the May press release about total damages.

A) HAZE DAMAGES

International

Radio Netherlands, February ?
Radio 5 Alive, BBC, February 27
Globe & Mail (Canada), February 27
International Herald Tribune, February 26
BBC Today, February 27
The Guardian (United Kingdom)
Washington Post, February 25
principal Turkish newspaper, February 26
principal Norwegian newspaper, February 26
Associated Press, February 25
Agence France Presse, February 25
Reuters, February 25
CNN TV, February 26
CNN-Interactive Website, with link to EEPSEA
WWF & EEPSEA Websites
San Jose Mercury (USA), February 27
Radio One, Brussels, February ?
NHK, Tokyo, February ?
CBC Radio, Canada, February ?
Reuters, March 5
International Press Service, March 4
BBC World News, March 19
Washington Post, March 18
The Economist, March 21 (cited but not attributed)
New Scientist, March 21
Dow Jones News, March 25
APRENET, March (electronic subscription)
Reuters News, April 14
BBC TV, April 14
CNN TV, April 14
CNBC TV, April 14
World Watch, May/June (cited but not attributed)

Regional

TCS Nightly News, February 25
Jakarta Post, February 26
Straits Times (Singapore), February 26
The Star (Kuala Lumpur), February 28
Talking Point (TCS Television, Singapore), March 4
Ecowatch, Radio Singapore International, March 5
ADB/World Bank Asian Development Forum, March 9-12
Singapore Environment Council Forum, March 14
TCS Nightly News, March 14

Straits Times (Singapore), March 16
Business World (Manila), March 17
Straits Times (Singapore), March 18a
Straits Times (Singapore), March 18b
New Straits Times (Kuala Lumpur), March 18
PanAsia Website, March
Jakarta Post, March 18
Business Times (Singapore), March 18
Bloomberg Financial News, March 18
Bloomberg Financial News, March 19
Far Eastern Economic Review, March 19
Jakarta Post, March 21
Straits Times (Singapore), March 24
Straits Times (Singapore), March 25
The Star (KL), April 2
Manila Standard, April 2
AM Singapore, April 13 (cited but not attributed)
Regional Institute of Environmental Technology Newsletter, June
Singapore Nature Society Newsletter, June
Elements: Singapore Environment Council Newsletter, June

B) TOTAL DAMAGES

Media

"SE Asia Today": BBC radio interview, May 29
"PM": radio interview on Australia Broadcast Corp. with Mark Colvin, May 29
CBC Radio, Canada, May 29
TCS TV News, Singapore, May 29
Bloomberg Financial News, May 29
Agence France Presse, May 29
Agence France Presse (R. Colonia), May 29
Associated Press, May 29
Business Wire, May 29
Chicago Tribune, May 30
Baltimore Sun, May 30
Business Times, Singapore, May 30
Lianhe Zaobao, Singapore, May 30
Kompas, Jakarta, May 30
Jakarta Post, May 30
Media Indonesia, May 30
Down to Earth, May
Financial Times, June 1
Singapore Times, June 1
Greenwire, June 2
Asian Environmental Review, June
Bloomberg Financial
Edmonton Journal, July 13
Straits Times, August 17 (cited but not attributed)
The Politics of Extinction: The Destruction of Indonesia's Forest Fires
(Environmental Investigation Agency), July

Websites & Electronic Subscriptions

ID21 Website
ELDIS: Electronic Development and Environment Information System (IDS)

Sussex)
 Publnet Website
 Pan Asia Website

Conferences & Official Meetings

Meeting of UN General Assembly Committee on Humanitarian & Social Affairs,
 chaired by Undersecretary General of the UN, June 2

Singapore Environment Council Regional Policy Dialogue on the SE Asian Fires,
 June 4/5

Asia-Pacific Regional Workshop on Transboundary Pollution: May 27/28,
 Singapore

Meeting of ASEAN Environment Ministers, June

Annex 2

ENVIRONMENTAL & RESOURCE ECONOMICS COURSE June 1 to July 4, 1998: Los Banos, Philippines

PARTICIPANTS

Mr. Seng Bunly, Ministry of Economic and Finance, Cambodia (M)
 Mr. Hor Darith, National Institute of Statistics, Cambodia (M)
 Mr. Thanakvaro Thyl De Lopez, Oxford/Cambodia (M) *
 Mr. Rath Sovannorak, National Bank of Cambodia (M)
 Mr. Mak Vatha, National Bank of Cambodia (M)
 Mr. Liu Yun, Iowa State University/China (M) *
 Mr. Liu Can, China National Forestry Economics & Development Research
 Center (M)
 Mr. Fangbin Qiao, Center for Chinese Agricultural Policy (M)
 Dr. Lubiao Zhang, Chinese Academy of Agricultural Sciences (CAAS) (M)
 Mr. Catur Sugiyanto, University of Illinois at Urbana-Champaign/Indonesia (M)
 *
 Dr. Selamah Abdullah Yusof, International Islamic University, Malaysia (F)
 Mr. Prateek Pradhan, Development Research and Training Center, Nepal (M) **
 Ms. Ma. Angeles Ocampo Catelo, University of the Philippines at Los Banos (F)
 Ms. Corinthia Naz, Department of Environment & Natural Resources, Philippines
 (F)
 Dr. Roberto F. Ranola Jr., University of the Philippines at Los Banos (M)
 Ms. Yuleta B. Ruiz-orillo, University of the Philippines, Cebu (F)
 Ms. Salome B. Bulayog, Visayas State College of Agriculture, Philippines (F)
 Ms. Christina Carambas, National Economic Development Authority, Philippines
 (F)
 Mr. Rodelio Subade, University of the Philippines in the Visayas (M)
 Mr. Pradeep H. Kurukulasuriya, Lanka International Forum on Environment and
 Sustainable Development (LIFE), Sri Lanka (M)
 Mr. Shamen P. Vidanage, Central Environmental Authority, Sri Lanka (M)
 Dr. Varaporn Punyawadee, Maejo University, Thailand (F)
 Dr. Udomsak Seenprachawong, Sukhothai Thammathirat Open University,
 Thailand (M)
 Dr. Churai Tapvong, Sukhothai Thammathirat Open University, Thailand (F)
 Mr. Surachai Koomsin, Center for Integrated Plan of Operations (CIPO),
 Thailand (F)
 Mr. Sommai Kuchnud, The Australian National University/Australia (M) *

Mr. Nguyen Nghia Bien, The Australian National University/Vietnam (M) *
Mr. Tran Dinh Thao, Hanoi Agricultural University, Vietnam (M)

* PhD student

** special student, sponsored by EDI

Annex 3

Website Homepage

Annex 4

ADVISORY COMMITTEE

The Advisory Committee advises the Director on priorities for research and training and recommends to the Sponsors Group the annual program of work. The Committee consists of senior scholars and policy makers active in environmental management in Asia. A majority of the Committee's members are from Asia. Each member has a three year term, renewable once for Asian members. The Committee meets twice a year, in conjunction with the biannual research workshop.

As of June 1998, the Committee consists of the following individuals:

Dr. Stein Hansen, Nordic Consulting Group Ltd.

Dr. Ponciano Intal, President, Philippines Institute for Development Studies

Mr. M. S. Kismadi, Executive Director, Yayasan Pembangunan Berkelanjutan, Indonesia

Dr. Piyasena Abeygunawardena, Asian Development Bank

Dr. Vo-Tong Xuan, Vice Rector, University of Cantho, and Vice-Chairman, Committee on Science, Technology and Environment of the National Assembly, Vietnam

Dr. John Whalley, University of Western Ontario, Canada; University of Warwick, UK

Mr. Ma Zhong, Renmin University, China

Annex 5

SPONSORS GROUP

The Sponsors Group of participating donors sets policy, provides financial support and approves the annual program of work and budget. It comprises all donors contributing at least USD 100,000 per year. The current and prospective membership is listed below. All amounts are expressed in USD. (Since contributions are made in the donor's currency exact USD equivalents may vary.)

- International Development Research Centre (IDRC), Canada (\$300,000/yr.)
- Danish Ministry of Foreign Affairs (DANIDA) (\$125,000/yr.)
- Swedish International Development Agency (SIDA) (\$170,000/yr.)
- Ministry of Foreign Affairs, the Netherlands (\$200,000/yr.)
- Canadian International Development Agency (CIDA) (\$325,000/yr.)

- Norsk Hydro, Ltd., Norway* (\$15,000/yr.)
- The MacArthur Foundation, United States (\$170,000/yr.)
- Ministry of Foreign Affairs, Norway (\$150,000/yr.)

* contributes but does not sit on Sponsors Group

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dglover@idrc.org.sg | 19 January 1999

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