UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP)

Environmental Economics Unit (EEU)

UNEP/WORLD BANK WORKSHOP ON THE ENVIRONMENTAL IMPACTS OF STRUCTURAL ADJUSTMENT PROGRAMMES

and

THE UNEP/UNCTAD EXPERT GROUP MEETING ON INTERNALIZATION OF ENVIRONMENTAL COSTS

February 1996

Environmental Economics Series Paper No. 18

The views and interpretation reflected in this document are those of the author and do not necessarily reflect an expression of opinion on the part of the United Nations Environment Programme.

UNEP/World Bank Workshop on the Environmental Impacts of Structural Adjustment Programmes

New York, 20-21 March 1995

and

UNEP/UNCTAD Expert Group Meeting on Internalization of Environmental Costs

New York, 10-11 April 1995

Report of the Workshop and Meeting Hussein Abaza Meeting/Workshop Organizer and Rapporteur



Table of Contents

		Page
UNEP/Wor	ld Bank Workshop on the Environmental	
	Structural Adjustment Programmes	
Summary	of discussions and conclusions	1
Summary (discussions and conclusions	•
(i) Pre	amble	1
9.5	sign	2
	olementation	2
	luation	3
	ncluding statement	3
Annex I:	Annotated Agenda	5
Annex II:	List of participants	7
Aimex II.	List of participants	3 0
UNEP/UN	CTAD meeting on Internalization of	
Environme		
	4	
Conclusion and Recommendations for Future Work		16
Main conclusions		16
Proposed measures for cost internalization		18
Recommendations for Future work		19
		12.0
Research and development		19
Pilot projects		20
Information exchange and dissemination		20 20
Guidelines Worldsham and Sominars		20
Workshops and Seminars		21
Modelling		21
Annex I:	Environmental Cost internalization:	23
	Experiences and lessons	
Annex II:	Agenda	25
Annex III:	List of participants	27

UNEP/World Bank Workshop on the Environmental Impacts of Structural Adjustment Programmes

Summary of Discussions and Conclusions

(A) Preamble

UNEP in collaboration with the World Bank organized a workshop on the environmental impacts of structural adjustment programmes. Some 31 experts representing developing countries, countries in transition, non-governmental organizations and research institutions and UN agencies were invited to participate in the workshop. The objective of the workshop was to review the current state of knowledge on the environmental impacts of structural adjustment programmes (SAPs), with the objective of indicating specific practical improvements in the design and implementation of ongoing economic reform activities, and identifying priorities for future work to enhance their effectiveness.

A stable, equitable and rational macroeconomic framework is a necessary but not a sufficient condition for sustainable development. Economic and structural reforms are urgently needed, therefore, to promote sustainable development. SAPs are packages of economic reforms specifically designed to enhance the recovery of economies in crises. Every effort must be made to redesign existing adjustment programs to address social and environmental issues. Future adjustment programs must seek to integrate social and environmental objectives into their core logic.

Efficient management of natural resources is essential for sustainable development and poverty alleviation. However, SAPs and other economy-wide policies that have been designed to address macroeconomic development have largely ignored environmental impacts, particularly the effects of such policies on the incentives and disincentives for efficient resource use and environmental protection. This omission has meant that SAPs and other economy-wide policies may be counter-productive in meeting their stated objectives, and in some cases even exacerbate other market and policy failures.

A key aim of SAPs and related economic policy reforms is a more efficient allocation of productive resources within the economy, often characterized by increased production of tradable goods. This can have different environmental and distributional implications, depending on the underlying market and policy conditions affecting these sectors.

In most countries, SAPs have had two major effects. First, there has been a strong substitution effect in favour of exports. Second, there has been a strong distributional effect through change in both public expenditures and relative prices. The second effect has exacerbated poverty at least in the short and medium term.

Both effects may result in increased environmental damage. This is the case, for example, in low income countries dependent on natural resource exports which lack (a) appropriate property rights in environmental resources and (b) adequate environmental protection measures.

The main causes of environmental degradation are to be found in market failures and policy distortions, but the severity of the consequences of these failures can vary depending on the distributional and other effects of SAPs.

(B) Design

- (1) Particular emphasis should be placed on win win policies that have combined economic, environmental and social gains.
- (2) SAPs should address market failures as well as policy distortions. The absence of environmental costing should be treated no different from financial subsidies.
- (3) There is a need to anticipate environmental, and social effects of SAPs and address them through a package of mutually reinforcing economic, social, and environmental measures.
- (4) Deregulation and liberalization associated with SAPs should be preceded or at least be accompanied by the introduction and application of economic instruments (environmental taxes and charges, bonds, deposit-refund systems, etc) and stricter enforcement of necessary environmental regulations.
- (5) When adequate internalization of environmental and social cost (full-cost pricing) is not possible, SAPs should incorporate as an integral part sustainability indicators, constraints and rules.
- (6) In designing SAPs, it is necessary to take into account national objectives and priorities, as well as institutional capabilities, and social and cultural contexts.
- (7) SAPs should be designed taking into account the uncertainties, cost and constraints of the globalization of the international economy, (economic, financial and environmental pressures).

(C) Implementation

- (1) The sequence of policy reforms associated with SAPs is of critical importance. SAPs should, for example, consider introducing appropriate environmental policies at the beginning as part and parcel of adjustment, and evaluate them continuously. SAPs need to take into account short and long-term environmental effects with special consideration of irreversible impacts. SAPs should be designed as an on-going process, and provide for a monitoring and corrective mechanism to ensure flexibility and responsiveness to changing economic, social, and environmental conditions.
- (2) Incomplete implementation of reforms may be worse than no reforms. It is essential to select realistic reforms and targets in order to ensure complete implementation, rather than overly ambitious reforms that are partially and selectively implemented.

- (3) There is a need to enhance institutional capacities in developing countries and countries in transition in preparation for and as part of SAPs. This includes encouraging increased public participation, transparency, the involvement of stakeholders (NGOs, private sector, local communities, women's groups, and the general public, etc.) to enforce acceptability and implementation of the proposed programmes and their reflection of the countries' needs and priorities.
- (4) There is a need to improve the coordination of SAPs related activities and programmes supported by United Nations organizations, multilateral banks, international development organizations and international donor agencies.

(D) Evaluation

- (1) In assessing environmental and social effects of SAPs, it is important to compare the situation with and without rather than before and after.
- (2) There is a need to develop and link environmental accounting matrices with SAPs, to improve quantification of environmental effects of economy-wide policies, to develop performance indicators, and to capture general and dynamic equilibrium effects.
- (3) There is a need for improved, comprehensive modelling of economic, social and environmental effects of SAPs. Modelling should better include direct and indirect effects; the relationship between formal and informal sectors; assessments to go beyond the first round of SAP implementation; the need to capture general equilibrium linkages, dynamic effects and two-way feedbacks.
- (4) Assessments of SAPs-environment-social interface should include both the impacts of economic activities on the environment, the economic consequences of those impacts, as well as the implications of the environmental policies for the economy. The process of analysis should bring about better coordination between economic and environmental policy-makers.

(E) CONCLUDING STATEMENT

The main messages of the workshop for (a) <u>international financial institutions</u> is to incorporate social and environmental objectives in the design of SAPs explicitly; (b) <u>governments</u> implementing SAPs to enforce and implement economic, social and environmental measures fully and effectively; (c) <u>donors</u> to coordinate policies and aid programmes and make them consistent with the economic, social and environmental objectives of the country; (d) <u>NGOs</u> and other stakeholders work closely with governments to take into account environmental social and cultural considerations and, finally, (e) <u>academicians</u> and <u>researchers</u> to adopt methodologies to help design better SAPs and ensure convincing evaluations.

Annex II

Annotated Agenda

Monday, 20 March

09:00-09:30 Registration of participants

09:30-09:45 Welcoming and Opening Remarks and adoption of Agenda

09:45-10:30 Session I: Structural Adjustment Programmes and the Environment

Main objectives of structural adjustment programmes (SAPs), underlying assumptions, instruments and economic outcomes. Selection of appropriate indicators for measuring the impacts of economic activity on the environment. Possibilities of economic assessment of economic policies.

10:30-11:00 Break

11:00-12:30 Session II: Implementation distortions

Policy, market and institutional imperfections, environment-related assumptions of adjustment programmes, direct links, e.g. growth and structural shifts, indirect links e.g. employment and distribution, identifying methods and models to examine linkages and feedback mechanisms. Effects on government spending and public investment.

12:30-14:00 Lunch

14:00-15:30 Session III: Review of existing case studies

Review of case studies, WWF, WRI and others, synthesis of main findings and consideration of the need for further research.

15:30-16:00 Break

16:00-17:30 World Bank perspective on environmental impacts of SAPs

Presentation of World Bank paper and a review of their case studies in light of debate, identification of emerging issues.

Tuesday, 21 March

09:00-10:30 <u>Session IV: Integrating Environment and Structural</u> Adjustment

Sustainability and structural adjustment, designing better structural adjustment programmes, building in sustainability and economy-environment feedback mechanisms, the importance of institutional reforms and economic instruments, parallel policies and sequencing activities, bridging the gap between design and implementation and capacity-building for governments and international development agencies.

10:30-11:00 Break

11:00-12:30 <u>Session V: Continuation</u>

12:30-14:00 Lunch

14:00-16:00 Session VI: Conclusions and Recommendations

Main conclusions and recommendations for future work; assistance required from the international community, including UN organizations, international development institutions, multilateral development banks, bilaterals and NGOs; role of UNEP; etc.

16:00-16:30 Break

16:30-17:30 Continuation

Annex III

List of Participants

ARDA, Mehmet Chief, Environmental Issues Section UNCTAD 311 E 54th Street Palais des Nations CH-1211 Geneva 10 TEL: (41 22) 907 5790

FAX: (41 22) 907 0047

BARBIER, Edward B.
Senior Lecturer
Department of Environmental Economics & Environmental Management
University of York
Heslington, York UO1 5DD
TEL: 44-904-432-060

BARCENA, Alicia Executive Director Earth Council P.O. Box 2323-1002 San Jose, Costa Rica TEL: (506) 256-2452 FAX: (506) 255-2197

FAX: 44-904-432-998

BARDE, Jean-Philippe Environment Directorate OECD 2 rue A. Pascal 75775 Paris Cedex 16 TEL: 331 452 49 022 FAX: 331 452 47 876

BISHOP, Joshua
Director, Environmental Economics Programme
International Institute of the Environment and Development (IIED)
3 Endsleigh Street
London WC1 H 0DD
TEL: (44-171) 388-2117
FAX: (44171) 388-2826

wis DHEIS

BRATASIDA, Liana

Director for Technical Guidance Indonesia Environmental Impact Management Agency Arthaloka Building, 11th Floor Jendral Sudirman No. 2 Jakarta 10220 Indonesia TEL: (021) 251-2459

TEL: (021) 251-2459 FAX: (021) 251-2459

BRITO, Elizabeth Joana Graybill Do Nascimento

Executive Director
Brazilian Chapter of IAIA
Marques Sao Vicente 124/3/707
CEP 22451-040
Rio Janeiro, Brazil
TEL: (55 21) 294-3818
FAX: (55 21) 259-5327

CHAIBVA, Shem

Chief Natural Resources Officer Ministry of Environment P.O. Box CY385 Causeway Harare, Zimbabwe TEL: 263 4 705671

FAX: 263 4 793123

CLEVELAND, Cutler

Professor
Boston University
Center for Energy & Environmental Studies
675 Commonwealth Avenue
Boston, MA 02215
TEL: (617) 353-3083
FAX: (617) 353-5986

COSTANZA, Robert

FAX: (410) 326-7354

Professor University of Maryland International Society for Ecological Economics Box 38 Solomons, MD 20688 TEL: (410) 326-7263

LAST TRAPETERS.

1 10 10 10

- - EXT' X'II

sylvate or tell 18

THE RESIDENCE AND STREET

I TO THE WAY WERE

State of the Assessment of the

THAT YES

Santon v.S.A. Sid SiNA

MCMULEI'S

FAIZ BILQUEES, Firoze
Senior Research Economist
Pakistan Institute of Development Economics
P.O. Box 1091
Islamabad, Pakistan
TEL: 854 218 812440
FAX: 92-51-210886

GANDHI, Ved P.
Assistant Director
Fund Fiscal Affairs Department
International Monetary Fund
700 19th Street NW
Washington DC 20431
TEL: (202) 623-8536
FAX: (202) 623-4259

KASHAMBUZI, Eric Senior Programme Manager UNDP ONE UN PLAZA NEW YORK, NY 10017 TEL: (212) 906-5920 FAX: (212) 906-5974

KRUGMANN, Hartmut H.
Senior Programme Specialist
IDRC/UNEP
P.O. BOX 62084
Nairobi, Kenya
TEL: (254 2) 623-460
FAX: (254 2) 711-063

KUMAR, Ritu Research Associate Int'l Institute for Environment & Development c/o IIED, 3 Endsleigh Street London WC1H ODD TEL: 44-71-388-2117 FAX: 44-71-388-2826

2 1-1M - -

LEAL, Jose

Environmental Affairs Officer ECLAC, United Nations ECLAC, Casilla 179-D Santiago, Chile

TEL: (562) 210-2293 FAX: (562) 208-0252

LEE, Norman

Director, EIA Center Planning Department, University of Manchester Manchester M13 1PL UK

TEL: 61 275 6873 FAX: 61 275 6843

MCMULLEN, Catherine Patricia

Deputy Coordinator Office of Environmental Assessment and Stewardship (JEN) Canadian Department of Foreign Affairs & International Trade JEN 125 Sussex Drive Ottawa, Ontario Canada K1A 0G2 TEL: (613) 944-0014

FAX: (613) 944-0432

MUGO, Reuben Vincent

Director, National Environment Secretariat Ministry of Environment & Natural Resources P.O. Box 67839 Nairobi, Kenya TEL: (254 2) 213 774

FAX: (254 2) 338-272

FAX: (617) 496-3956

PANAYOTOU, Theodore

HIID, Harvard University Director, International Environment Program One Eliot Street Cambridge, MA 02138 TEL: (617) 495-9173

SHOULTS -

MERCHANT.

A COLUMN TO SHAP

Facture File

PARIKH, Kirit S.

Director

Indira Gandhi Institute of Development Research

Film City Road

Goregaon (East)

Bombay 400065 India

TEL: 9122-840-0919

9122-840-0918

FAX: 9122 840-2026

9122 840-2752

PERELET, Renat

Research Leader

International Independent University of Ecology & Politology

Prospelet 60-Let Oktyabrya 9

Moscow 112317, Russia

TEL: 7 095 135 4322 or 128 9385

FAX: 7 095 938 2209 or 124 9553

PERRINGS, Charles A.

Professor

University of York

Department of Environmental Economics & Environmental Management

Heslington, York UO1 5DD UK

TEL: 44 904 432 999

FAX: 44 904 432 998

RAWSKA-OLEJNICZAK, Yolanta

Chief Specialist

Ministry of Environmental Protection

Natural Resources and Forestry

Department of International Cooperation

00-922 Warsaw

52/54 Wawelska Street, Poland

TEL: (4822) 256435

FAX: (4822) 253972

REED David W.

Worldwide Fund for Nature - WWF (Washington)

1250 24th Street NW

Washington DC 20037

TEL: (202) 778-9602

FAX: (202) 293-9211

REPETTO, Robert

Vice President & Senior Economist World Resources Institute 1709 NY Avenue NW Washington, DC 20006 TEL: (202) 662-3482 FAX: (202) 638-0036

SHQUEIR, Adnan Ali Environment Planning Office Bethlehem University P.O. Box 9 Bethlehem, West Bank via Israel

TEL: 972-2-741242 FAX: 972-2-744440

TOGNETTI, Sylvia S.

Research Fellow
Maryland Institute for Ecological Economics
P.O. Box 38
Solomons, MD 20688
TEL: (410) 326-7366
FAX: (410) 326-7354

VERCUEIL, Jacques

Chief, Agriculture Sector in Economic Development FAO C332 - FAO, viale delle Terme di Caracalla 00156 Rome, Italy TEL: (396) 522 54 345 FAX: (396) 522 53 152

VIRYASIRI, Sawacon

Assistant Professor
Faculty of Social Sciences & Humanities
Mahidol University
Salaya, Nakornpathom 73170
Thailand

TEL: 4419324 FAX: 4419738

THE PERSON

4201 Sen ...

ZHONG, Ma

Deputy Director and Professor Institute of Environmental Economics, Renmin University, Beijing Beijing, China

TEL: (86 1) 253-4561 FAX: (86-1) 255-4610

FAX: 254-2-623-3371

UNEP

ABAZA, Hussein Chief, Environment & Economics Unit UNEP P.O. Box 30552 Nairobi, Kenya TEL: 254-2-624-268

CAMPBELL, Laura B.
Senior Legal Officer
UNEP Regional Office for North America
Two UN Plaza, DC2-803
New York, NY 10017
TEL: (212) 963-8142
FAX: (212) 963-7341

SCHANZENBACHER, Bernie

Programme Officer
UNEP
Environment & Economics Unit
P.O. Box 30552
Nairobi, Kenya
TEL: (254 2) 623-371
FAX: (254 2) 624-268

VAUGHAN, Scott
Chief, Environment & Trade
UNEP
15 Chemin des Anemones
1219 Chatelaine
Geneva, Switzerland
TEL: 41-22-979-9288
FAX: 41-22-796-9240

- THOLV

1.00

WORLD BANK

FAX: (301) 656-8404

MUNASINGHE, Mohan Division Chief for Environmental Policy World Bank Division for Environmental Policy 4201 East West Highway Chevy Chase, MD 20815 USA TEL: (202) 473-3204