# **SANDEE Course on Environmental and Natural Resource Economics**

#### Timetable – Week 1

Colombo, Sri Lanka: June 17-July 4, 2004

Time	THURS June 17	FRI Jun 18	SAT L 10	SUN Lun 20	MON Jun 21	TUES Jun 22	WED Jun 23
	June 17	Jun 18	Jun 19	Jun 20			
		2	6	10	14	18	22
9.00-	Participants arrive	Welfare Economics	Green Income Accounts-	Introduction to Non-	Introduction to	CPR and Institutional	Community Forestry
10.30		Overview-Links to EE	Case Study	Renewable resources	Renewable resources- Fisheries, Rents etc.	issues-conditions for	and Poverty- understanding
		(KGM)		(RB)	(EH)	cooperation (RB)	impacts
		(KOM)	(JV)	(RD)	(EII)	(RD)	(PS)
10.30- 11.00	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break
		3	7	11	15	19	23
11.00-	Participants arrive	National Income,	Environmental project	Non-Renewables-	Forestry -models	CPR and Institutional	Presentation
12.30		Welfare Measures and	evaluation and cost	contd.	(optimal rotation	issues-example from	Assignment 2
		the Environment	benefit analysis-review		multiple use)	South Asia (RB)	
		(KGM)	(JV)	(RB)	(RB)	(KB)	
12.30- 2.00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
		4	8	12	16	20	24
2.00-	Participants arrive	(1-2.30) Extension-Inter-	Choosing Discount Rates	Non-Renewable	Biodiversity and	Small Group time to	R and R
3.30		temporal issues and non-		resources-Mining and	Protected Areas-	discuss project ideas	
				Moturel Coc in	Lagramia igguag		
		conve xities		Natural Gas in Bangladesh	Economic issues		
		(PD)	(JV)	Natural Gas in Bangladesh (EH)	Economic issues (LE)	(EH, PS, RB)	
3.30- 4.00	Tea/Coffee Break		(JV) Tea/Coffee Break	Bangladesh		(EH, PS, RB) Tea/Coffee Break	Tea/Coffee Break
4.00	1	(PD) Tea/Coffee Break 5	Tea/Coffee Break	Bangladesh (EH)  Tea/Coffee Break	(LE) Tea/Coffee Break 17		25
4.00	1 Panel (4.00-6.00): What	(PD) Tea/Coffee Break  5 Public good,	Tea/Coffee Break  9 Group Game:	Bangladesh (EH)  Tea/Coffee Break  13  Group discussion: Are	(LE) Tea/Coffee Break  17 Presentation	Tea/Coffee Break	
4.00	Panel (4.00-6.00): What is Environmental	(PD)  Tea/Coffee Break  5  Public good, Externalities, Common	Tea/Coffee Break  9 Group Game: Policy/Market/Institution	Bangladesh (EH)  Tea/Coffee Break	(LE) Tea/Coffee Break 17	Tea/Coffee Break	25
4.00	Panel (4.00-6.00): What is Environmental Economics? – a	(PD) Tea/Coffee Break  5 Public good,	Tea/Coffee Break  9 Group Game: Policy/Market/Institution al Failures Examples and	Bangladesh (EH)  Tea/Coffee Break  13  Group discussion: Are	(LE) Tea/Coffee Break  17 Presentation	Tea/Coffee Break	25
4.00	Panel (4.00-6.00): What is Environmental Economics? – a historical overview	(PD)  Tea/Coffee Break  5  Public good, Externalities, Common	Tea/Coffee Break  9 Group Game: Policy/Market/Institution al Failures Examples and relevance in developing	Bangladesh (EH)  Tea/Coffee Break  13  Group discussion: Are	(LE) Tea/Coffee Break  17 Presentation	Tea/Coffee Break	25
4.00	Panel (4.00-6.00): What is Environmental Economics? – a	(PD)  Tea/Coffee Break  5  Public good, Externalities, Common Property	Group Game: Policy/Market/Institution al Failures Examples and relevance in developing countries	Bangladesh (EH)  Tea/Coffee Break  13  Group discussion: Are non-renewables scarce	(LE) Tea/Coffee Break  17 Presentation	Tea/Coffee Break	25
4.00	Panel (4.00-6.00): What is Environmental Economics? – a historical overview (KGM)	(PD)  Tea/Coffee Break  5  Public good, Externalities, Common	Tea/Coffee Break  9 Group Game: Policy/Market/Institution al Failures Examples and relevance in developing	Bangladesh (EH)  Tea/Coffee Break  13  Group discussion: Are	(LE) Tea/Coffee Break  17 Presentation	Tea/Coffee Break	25
4.00	Panel (4.00-6.00): What is Environmental Economics? – a historical overview (KGM) Environmental Economics in Developing countries-is	(PD)  Tea/Coffee Break  5  Public good, Externalities, Common Property	Group Game: Policy/Market/Institution al Failures Examples and relevance in developing countries	Bangladesh (EH)  Tea/Coffee Break  13  Group discussion: Are non-renewables scarce	(LE) Tea/Coffee Break  17 Presentation	Tea/Coffee Break	25
4.00	Panel (4.00-6.00): What is Environmental Economics? – a historical overview (KGM) Environmental Economics in	(PD)  Tea/Coffee Break  5  Public good, Externalities, Common Property	Group Game: Policy/Market/Institution al Failures Examples and relevance in developing countries	Bangladesh (EH)  Tea/Coffee Break  13  Group discussion: Are non-renewables scarce	(LE) Tea/Coffee Break  17 Presentation	Tea/Coffee Break	25

KGM: Karl-Goran Maler; PD: Partha Dasgupta; JV: Jeff Vincent; RB: Rabindra Bhattacharya; PS: Priya Shyamsundar; EH: Enamul Haque; MNM: M. N Murty; SC: Sunil Chandrasiri; LE: Lucy Emerton; MC: Maureen Cropper; PS1: Paul Steele

# **SANDEE Course on Environmental and Natural Resource Economics**

### Timetable – Week 2

Colombo, Sri Lanka: June 17-July 4, 2004

		SAT	SUN	MON	TUES	WED
June 24	Jun 25	Jun 26	Jun 27	Jun 28	Jun 29	Jun 30
26	30	34	38	42	46	50
Reading Time	Revealed Preference:	Health costs of Air	Cost-Effectiveness of	Fisheries Field trip	Field trip – Waste	R and R
	Change in productivity	Pollution: Estimating	Water and Indoor Air		Management	
	approach	physical health damages	pollution interventions			
	(EH)	(MC)	(MC)			
Coo/Coffee Prools	Too/Coffee Dwools	Too/Coffee Dweels	Too/Coffee Dweek	Too/Coffee Dweek	Too/Coffee Dweek	Tea/Coffee Break
ea/Collee Break	Tea/Conee Break	Tea/Conee Break	rea/Conee Break	rea/Conee break	Tea/Collee Break	rea/Conee Break
27	31	35	39	43	47	51
	Stated Preference: CVM	Health costs of		Fisheries trip	Field trip – Waste	R and R
			Projects		Management	
conomic Valuation		0 1				
2.50	2.50	,				
(MC)	(MC)	(MC)				
Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
						52
	CVM – Exercise	•	Library visit		Project preparation	R and R
TCM		Delhi Air Pollution Case				
(EII)	2.50)	0.10)		1		
(EH)	(MC)	(MC)		(SC)		
Sea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break
cu/Conce Break	real correct Break	Tea/Conce Break	Tea/Conce Break	Tea/Conce Break	rea/conce Break	rea/ conce break
29	33	37	41	45	49	53
ivel Cost – Exercise			Library visit		Project preparation	R and R
	Exercise	Exercise		– Colombo Study –		
				contd.		
(EH)	(MC)	(MC)		(SC)		
	Reading Time  ea/Coffee Break  27 e problem of Non Market Values: conomic Valuation  (MC)  Lunch Break  28 vealed Preference: TCM  (EH)  ea/Coffee Break  29 vel Cost – Exercise	Reading Time  Revealed Preference: Change in productivity approach (EH)  Tea/Coffee Break  Tea/Coffee Break  Stated Preference: CVM Market Values: conomic Valuation (MC)  Lunch Break  Lunch Break  Lunch Break  CVM - Exercise TCM (EH) (MC)  Tea/Coffee Break  Tea/Coffee Break  Discussion of CVM Exercise	Reading Time  Revealed Preference: Change in productivity approach (EH)  Tea/Coffee Break  Health costs of Pollution: Valuing damages (including Hedonics) (MC)  Lunch Break  Lunch Break  Lunch Break  Lunch Break  Tea/Coffee Break  Discussion of CVM Exercise  Discussion of Delhi Exercise	Reading Time  Revealed Preference: Change in productivity approach (EH)  Realth costs of Air Pollution: Estimating physical health damages (MC)  Rea/Coffee Break  Tea/Coffee Break  Realth costs of Pollution: Valuing damages (including Hedonics) (MC)  Lunch Break  Lunch Break  Lunch Break  Lunch Break  Lunch Break  Tea/Coffee Break  Tea/Coffee Break  Tea/Coffee Break  Tea/Coffee Break  Tea/Coffee Break  Lunch Break  Tea/Coffee Break  Tea/Coffee Break  Library visit  Tea/Coffee Break  Tea/Coffee Break  Discussion of CVM Discussion of Delhi Exercise  Library visit  Library visit  Library visit  Library visit  Library visit	Reading Time   Revealed Preference: Change in productivity approach (EH)   Pollution: Estimating physical health damages (MC)   Water and Indoor Air pollution interventions (MC)   Water and Indoor Air pollution interventions (MC)	Reading Time  Revealed Preference: Change in productivity approach (EH)  Realth costs of Air pollution: Estimating physical health damages (MC)  Rea/Coffee Break  Tea/Coffee Break

### **SANDEE Course on Environmental and Natural Resource Economics**

### Timetable – Week 3

Colombo, Sri Lanka: June 17-July 4, 2004

Time	THURS Jul 01	FRI Jul 02	SAT Jul 03	SUN Jul 04
				3u1 04
	54	58	62	66
9.00-	Benefits of Clean Ganga	Example of use of Economic	Research Concept Presentation	Politics, Policy and
10.30	Case Study	Instruments	(1-3)	Environmental Economics –
				The Larry Summers Memo
	0.000	0.000	72 (127)	(Group discussion)
	(MNM)	(MNM)	(PS/MNM)	(PS)
10.30-	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break
11.00	Tea/Collee Break	Tea/Collee Break	Tea/Conee Break	Tea/Collee Break
	55	59	63	67
11.00-	Eco-system consideration in	Poverty and Environment –	Research Concept Presentation	Summary – overview of the
12.30	Water Supply decisions	Issues and Considerations	(4-6)	course - follow ups and next
				steps – Evaluation
	(LE)	(PS)	(PS / MNM)	(PS)
12.20				
12.30- 2.00	Lunch Break	Lunch Break	Lunch Break	<b>Lunch Break</b>
	56	60	64	
2.00-	Economic Instruments	Free time – Project preparation	Research Concept Presentation	Departure
3.30			(7-9)	
	(MNM)		(PS / MNM)	
3.30-	Transfer of December 1	Tea/Coffee Break	Trade (C. CC. Daniel	Tea/Coffee Break
4.00	Tea/Coffee Break	Tea/Collee Break	Tea/Coffee Break	Tea/Collee Break
	57	61	65	
4.00-	Group time for Project	Free time – Project preparation	Research Concept Presentation	Departure
5.00	discussion		(10-12)	
	(PS / MNM / LE)		(PS / MNM)	