Attachment #1-1. Trial Estimate on Hybrid Accounting System integrating Environmental Pressures and Economic Activities (1990)

National according	:Monetary flow	In integrating Environmental Pressures and Economic Activities (1990) Environmental Accounts (in the quantity basis)		
Income and expenditure accounts C:	capital finance accounts Rest of the world	Substances Accumulation of substances to the environment Environmental problems		
Account (dassification) (groduct groups) Production (shift of consump- groups) (groduct economic groups) (purposes) (purp	Non-financial assets (bypes) Environ-mental Social Current Capital protection capital Others assets (bypes)	Regional Depletion of natural resources Section	Total	
1 2 3 4 5 6 7	(types) 8a 8b 8c 9 10	11a 11b 11c 11d 11e 11f 11g 11h 11l 11n 11a 11a 11b 11c 11d 11e 11f 11g 11h 11l 11n 11a 11a 11b 11c 11d 11e 11f 11g 11h 11l 11n 11a 11a 11b 11c 11d 11e 11f 11g 11h 11l 11m 11a 11b 11c 11d 11e 11f 11g 11h 11l 11m 11a 11b 11c 11d 11e 11f 11g 11h 11l 11m 11a 11b 11c 11d 11e 11c 11d 11e 11f 11g 11h 11l 11m 11a 11b 11c 11d 11e 11e 11c 11d 11e 11e 11c 11e 11e 11c 11e 11e 11e 11e		
Opening stocks OA	Opening stocks 31,947.8 417,987.6 -	Opening stocks 5,380 25,540 1,320 1,130 1,590 2,810	Opening stocks 449,935.4	
Coods and services (product groups) 1 intermediate consumption consumption consumption 42,2,3,6,2 291,161.4	Gross capital formation Exports 3,664.7 25,984.6 115,141.0 45,863.1		Demand <at price<br="" purchaser's="">904,171.0</at>	
Production (kind of economic activity) 2 Output 859,688.1 National		Emission of air-elated pollularis by producers	Output <at basic="" prices=""> 859,688.1</at>	
Final consumption 3 Consystem and Consumption (purposes) Gross Value and Consumption Construction Cons		Emission of air-related pollularis by consumers	Final consumption 291,161.4	
Generation of income (radius added categories) 4 (in Table values) 4 (47,512.8	Consumption of fixed capital (—)	Pressures of domestic and ROW sectors on domestic	Generation of incor 338,428.5	
Distribution and use of Income	Property income and current transfers from	environments (environmental media and ratural resources), as well as overseas natural resources), as well as overseas natural resources relational control of the resources of the resource of	Receipts of general	
(sectors) Net national Taxes, income receivable 98 659 1	ROW	│	income 445,609.4	
Taxes on Taxes on production Current tax on income, (ax categories)	18.69.7	The potential contributions to global warning, ozone depiction, additication	Tax payments	
430.3 29.819.2 58.409.6 Capital (sectors) Net saving	Capital transfers from ROW, net	Changes in Land area currently used Changes in Land area currently used Changes in Land area currently used Clobal Warming Potentials (GWP): C02: 1, 120: 310, and CH4: 21 Conne Depletion Potential (DIP)	88,659.1 Capital receipts	
2,362,6 79,754,5 Let capital formation through the capital formation for for formation for for formation for for formation for for formation for for	-153.2	17	81,963.9 Non-financial assets	
Social capital (types) 8b 25,984.6 - 46,200.3		Other domestic emission of pollutions, such as leakage from facilities as leakage from facilities as leakage from facilities forests and aqualic resources O 0 0 0 0 0,594 0 0 0	3,458.4 25,984.6 46,200.3	
Compen- sation income and		Cross Sorder flow of pollutarist from COV natural recovery recover	10,200.0	
Current Curr	ROE		Current payments to 58,141.8	
Capital 10 Changes in Calms to ROW 6.320.5	current external balance -6,473.7		Capital paymen to ROW -153.2 Destination of subst	
9 CO2 118 9 170 170 170 170 170 170 170 170 170 170		Accumulation 122.11 122.15 122.	1,	
##CS 11d		to the environment HFC Contribution to global environmental issues SF 6		
98 1970 119 119 119 119 119 119 119 119 119 11	Cross border	Accumulation of pollularis to the domestic. Accumulation of pollularis to the domestic. CFC CFC	-	
0 002 11 0 0 0 0 0 0 0 0	border flow of pollutants to proble	10 Control 17 18 T-P Contribution to regional environmental issues 17 18 T-P Contribution to regional environmental issues 18 T-P Contribution to regional environmental issues 18 T-P	-	
Final disposal 11n disposal 185 778 natural resources)	invironment (environmental media and to domestic and ROW sectors, and a natural resources caused by import	Net pressures on the domestic environment (environment in reduced in return resources)		
	1,976 9,196 Depletion of 3,123 ROWs 81,793	Net changes in ROW's natural resources caused by importhestoration 35		
Wolfer resource (malor use) 111 (by means 120	natural resources 3.823 caused by import	Domestic environmental costs (8c, 11p~11u) minus costs (11p to 11u. 2) 85,000 Water Deptetion of natural resources 10,27g is 8,000 To 10,27g is now and natural resources of an anti-discources of the property of DMMs.		
Forest and wildland Thy using and		Changes in land uses cest (7, 11 to 11a) and cest (7,	nanges in nd space currently	
Residential area space 112 Other land 11aa	Hidden flows caused by	Domestic hidden material flows minus cell (11ab, 2) College C	used	
Hidden material flow 11ab Domestic hidden flows	import -			
Supply intermediate input Final Distribution Use of Value of Capital Capital Purchaser's purchaser's Capital C	Non-financial assets receipts from receipts from ROW ROW	Origin of substances Total Total Environmental indicators		
purchaser's filon generated income rocal filon generated income rocal filon generated income rocal filon generated filon generated filon generated filon				
Reconciliation counts/en/nomental indicators R	Other changes -2,004.7 9,198.9 2,830,592.4 Closing stocks	To be compared with ecological footprint Closing stocks	Other change: 2,837,786.6 Closing stocks	
Closing stocks CA	Closing stocks 33,814.0 453,171.1 3,014,674.2	· · · · 23,866 · · · 5,340 25,510 1,321 1,140 1,610 2,850 ·	3,501,659.3	
Unit 100 1,0				

Attachment #1-2. Trial Estimate on Hybrid Accounting System integrating Environmental Pressures and Economic Activities (1995)

Attachment #1-2. I rial Estimate on Hybrid Accounting System integrating Environmental Pressures and Economic Activities (1995) National accounting matrix Continue Integrating Environmental Pressures and Economic Activities (1995) Integrating Environmental Pressures and Economic Activities (1995)					
(on the monetary basis) - : worseary stow Income and expenditure accounts Capital finance accounts Rest of the world	(on the quantity basis) Substances Accommission Accommission Benefit or one of the previous of the previou	Environmental problems			
Account (classification) Cooks and Production services (groups) actively product groups) actively color of classification (classification) (sectors) (sector	Poliulates Pol	Regional Depletion of natural resources Land uses Value Valu			
Opening stocks OA Opening stocks OA Opening stocks Opening stocks Opening stocks Opening stocks Opening stocks OA Openin					
Coods and services 1 Consumption Corescapilation Coresca		al purchaser's prices 966,231.7			
(Hend of economic activity) 2 V22,938.0 National	Emission of air-related pollutants by producers Emission of pollutants by producers Emission of pollutants by producers 1.015.982 122 1.019 2.0,026 11,503 16,737 1,937 657 3 5 503 391 2.03,102 148,772	Output cat basic prices- 92,9 98.0			
Final consumption 3 consumption (purposes) 349.633.2	Emission of alreadade politates by consumers Emission of pollulates by consumers	Final consumption 34 of 33.2			
Generation of income (value added categories)		Generation of accome 26/516 S			
Distribution and use of income (scriors) Net national Taxes, income receivable	Pressures of damestic and ROW sectors on domestic environments (environments (environments and natural resources), as well as oversams initial resources restoration caused by demestic sector	Recolpts of generated income			
1 209,3450 2,588.3 19,372.2		47,305.5 Tax payments			
973.1 33.372.6 48.242.6 Capital Capital (sectors) 7 discrepancy Net-saving Row.	om Changes in Land area currently used acidification and EEQ, respective				
4.051.6 57.549.1 10.000.214.1 1	40 2 20 0 20 30 O 20 30 O 20 1 N20: O 20 20 30 O 20: N20: O 20: O	Protentials (UMP): 61,386.3 310, and CMH-21 n Potential (ODP) Non-financial specials			
Social capital (types) 8b 38,752.4	United contracts. emissator or produceins. South as headage reconstructions as leadage from facilities forests and aquafic resources No. 0.7, 5-26. Eutrophilication E. P. 3.06, and N. P. 3.06, and N.	11: and NH3 Equivalents (EE0) 10:42 10:43 10:45			
Chers 8c 6.560.7 Compani-Property salion income and	V	65607			
Current 9 corrent employees transfers to to ROW ROW 171.8 15.880.6 Changes in current employees transfers to to ROW ROW 171.8 15.880.6 Changes in current employees transfers to to ROW ROW 171.8 15.880.6 Changes in current employees transfers to ROW external balance of the ROW transfer to ROW transfer		Current payments to ROW 54,324.8 Capital payments to ROW to ROW			
10,7718 1-10,3842	1,10,008 (COZ 10,100 (COZ 10,1	2/8.4 Destination of substances 1,210.90s 1,110.71s 1,11			
8 CH 11c	dipolataris to 111 22.33 CH4	Contribution to global environmental issues 11,03 16,737			
S 111		16,737			
NOX 11h Booter booter booter politaris property of politaris prope	Accumulation of pollutarists to the demostics of the demostic of the demostic of the demostic of the demostics of the demostic of the demostate of the demostic of the demostic of the demostic of the demos	1.07 Nox 2132 915 S02 915			
Water TN 111 dygood quality by waste 15 by	Net pressures on the domestic environment 57 Net pressures on the domestic environment 55 S50	NGC T.P T.P			
Wasterward IIII deposal 211.52 and Recycled 110 152.185	(emformental media and natural resources) and Net changes in ROWs natural resources caused by Net changes in ROWs natural resources caused by Other changes in ROWs natural resources caused by Othe	152 005 Wash 152 185			
S Energy Could cell 114 Demostic 114 Demost	1	-92 Gas 0 -93 Gu Deplotion of energy resources 0 -93 Gas 0 -93 Gas 0 -94 Gas 0 -95 G			
Coal 11	media and natural resources) and ROWs calls (8c, 11p~11u) minus calls (11p to 11u, 2) 88,000 4 4,156 4,755	50,749 Enress 73,655 73,655 73,655 74,655 74,655 74,655 75,655 7			
Agricultural land 11v Force and windland 11vi 8 River and washersy 11vi 18 River and washersy 11vi 19	Changes in land uses cells (7, 11 vb 11aa)	nges in ROWS Natural resources 40 Agricultural 70 Forestland willBland Changes in Changes in			
Road		27 Road			
Hidden material flow 11ab Domestic hidden flows 1.218 Hidden flows 1.218		Into cells (11ab. 9) Into a Office Columns 12 Into a Office Columns			
Supply -cal piput Final protein protei	Origin of substances Total Total	Environmental indicators 2,407 521 19 82,602 -279 50,743 -88,900 6,768 40 -20 0 20 20 30 -1,218			
Reconcilation accounts/environmental indicators R		To be compared with ecological foolprini Closing stocks Closing stocks Closing stocks			
Unit Billion Yen 1,000 1,0					
COZ NZO CH COZ COZ COZ NOX SOZ DIFFICULTING INTERNATION TO COZ COZ COZ COZ NOX SOZ DIFFICULTING INTERNATION TO COZ COZ COZ COZ NOX SOZ DIFFICULTING INTERNATION TO COZ COZ COZ COZ NOX SOZ DIFFICULTING INTERNATION TO COZ COZ COZ COZ NOX SOZ DIFFICULTING INTERNATION TO COZ COZ COZ COZ COZ COZ COZ COZ COZ CO					

Attachment #1-3. Trial Estimate on Hybrid Accounting System integrating Environmental Pressures and Economic Activities (2000)

: National accounting matrix (on the monetary basis) - Monetary flow	Environmental Accounts (on the quantity basis) : Materials/resources flows
Account (classification) Goods and Production services (groups) achievy (groups) achievy (groups) achievy (groups) 1 2 3 4 5 6 7 Ba 6b Bc 9 10	Companies Comp
Opening stocks OA	Opening stocks
Coods and services (product groups) 1 Consumption	Demand call purchast of air-related pollutants by producers Emission of pollutants by producers Duty at the producers
Generation of income (value added categories) 4 Consumption of fixed capital (—) Consumption of fixed capital (—) Compensation is engages from the capital (—) Consumption of fixed capital (—) Compensation is engages from the capital (—) Consumption of fixed capital (—) Compensation is engaged from the capital (—) Consumption of fixed capital (—) Compensation is engaged from the	Piressures of domestic and ROW sectors on domestic environmental modals and natural resources), as well a sorger season as a material resources restoration caused by domestic sector
Taxes Taxe	The potential contributions to global warming, ozone depletion, acidification and EEQ, respectively. Global Warming Potentials (GWP): Capital receipts
Social capital (types) Sb Compen Property Sc Compen Sc Compe	Column C
Current 9 Imports salon income and current transfers to the ROW 29.3 7,409.1 Charges in Current transfers to 11,881.1 Current transfers to 12,875.6	Current payments to ROW 5,5,378.8 Capital payments to ROW 994 Destination of statistics United to ROW 1789.600 CD
SEPTION TO THE CONTROL OF THE CONTRO	Accumulation 122 1779 1720 1724
Waste Faul disposal 111 Maste Faul disposal 111 facilities 1116 Agreement (pink and	Net pressures on the domestic environment (environmental and and natural resources) (and to specific or environmental sessures) (and to specific or enviro
Energy Gas 111 Persource Coal 111 Water resource (sealer use) 111 Water resource (sealer use) 111 Agricultural land 111 Agricultural land 111 Agricultural land 111 Final Persource (sealer use) 111 Agricultural land 111 Agricultural land 111 Final Persource (sealer use) 111 Agricultural land 111 Final Persource (sealer use) 111 Agricultural land 111 Final Persource (sealer use) 111 Final Persource	Changes in domestic natural resources and ROW's media and natural resources) and ROW's media and natural resources and ROW's media and natural resources and ROW's media and natural resources and ROW's lateral resources coils (9, 11p to 11u, price and velocity and
Supply	Origin of substances Origin of Substances Total Total Total 1,332,945 - 2,242 466 17 55,514 - 199 54,822 - 87,000 5,736 - 40 10 20 10 20 - 1,095 - 1
Reconciliation R Office changes 3,331.5 6,799.7 96,691.1	To be compared with ecological footprint To be compared with ecological footprint To be compared with ecol