

An experimental application of reduced PIOTs and PSUTs

London Group on Environmental Economic Accounting 26-30 March 2007 Johannesburg, South Africa The following tables refer to Italy, 1997. They have been developed at Istat thanks to Eurostat's financial support.

These tables are characterised by the level of aggregation by activity and by the subdivision of the national socio-economic system described in chapter 4.4 of volume II of OECD's Guidance Manual "Measuring material flows and resource productivity". The only difference is given by the presence in our tables of the rest of the world socio-economic system and environment, which are not present at that stage of the description of the National Material Flows Accounting framework.

The residence principle is applied pragmatically in the tables presented here, as it is respected for transport activities only, due to data availability restrictions. These are usually considered the most important in determining the difference between aggregates referred to the national territory and aggregates referred to resident units.

						Socio-economic s	ystem				<u>Nat</u>	ural environment -	<u>NE</u>	
				Natio	onal socio-econon	nic system			Rest of the world					
	Dhursiani II.a. Ashin	Material transfo			ccumulation of prod			Total national socio-economic system	Exports including uses of fuels and Ecosystem Inputs for transport by non residents on national	Total socio-	National environment -	Rest of the world	Total Natural	TOTAL MATERIAL SUPPLY BY ACTIVITY
	Physical Use table	Production	Consumption of non durable goods	Consumer durables	Inventories' net increase	Other capital	Landfills			economic system	NE1	NE2	<u>Environment</u>	
		T1	T2	S1.1	S1.2	S1.3	S2	N=T+S1+S2	RW	H=N+RW	<u>NE1</u>	NE2	NE=NE1+NE2	<u>H+NE</u>
	N1 - Fossil fuels	19,941,704	-	-	-	-	-	19,941,704	-	19,941,704	-	-	-	19,941,704
sonices	N2 - Ferrous metal ores		-	-	-	-		-		-		-	-	-
5	N3 - Non-ferrous metal ores	39,397	-	-		-		39,397		39,397		-		39,397
l Se	N4 - Industrial minerals	9,444,554	-	-	-	-	-	9,444,554	-	9,444,554	-	-	-	9,444,554
Natural re	N5 - Construction minerals	398,260,658	-	-	-	-		398, 260, 658	-	398,260,658	-	-		398,260,658
Į į	N6 - Non-cultivated biomass	435,977	-	-		-		435,977		435,977		-		435,977
2	N7 - Water	19,597,667				•		19,597,667		19,597,667	•			19,597,667
	N - All natural resources	447,719,956	-	-	-	-	-	447,719,956		447,719,956		-	-	447,719,956
E	E1 - Water absorbed by cultivated plants and	183,546,088	11,595,187	-	-	-	-	195,141,275	-	195,141,275	•	-	-	195,141,275
osystem Inputs	E2 - Air for combustion, respiration and													
) Side	decomposition	537,140,099	139,455,897			•		676,595,995	16,448,252	693,044,247				693,044,247
93 -	E3 - CO2 and nutrients absorbed by cultivated	238,919,548		-	-	-		238,919,548		238,919,548		-	-	238,919,548
	E - All ecosystem inputs	959,605,735	151,051,083	-	-	-	-	1,110,656,819	16,448,252	1,127,105,070	-	-	-	1,127,105,070
	P1 - Biomass products	478,204,866	56,738,267	533,449	49,650,638	3,109,486	-	588, 236, 706	27,570,174	615,806,879		-	-	615,806,879
l te	P2 - Fossil fuels products	195,297,557	2,076,241	102,717	3,201,786	23,645		200,701,946	36,029,781	236,731,727				236,731,727
Products	P3 - Non-energy mineral products	638,747,924	1,613,785	5,512,178	142,602,150	319,577,249	-	1,108,053,285	46,316,062	1,154,369,347				1,154,369,347
<u>~</u>	P4 - Composite products	9,869,388	4,578,328	2,709,574		3,002,773	-	15,215,849	6,132,739	21,348,588	-	-	-	21,348,588
	P - All products	1,322,119,735	65,006,621	8,857,918	190,510,359	325,713,154	•	1,912,207,786	116,048,755	2,028,256,541	-	-	-	2,028,256,541
	W1 - GHGs, acidifying substances, ozone layer depleters, heavy metals to air					-			-		509,003,051	10,429,028	519,432,079	519,432,079
	W2 - Other pollutants and toxic substances to air													
	(POPs, PCBs, etc.)	-	-	-	-	-	-	-	-	-	2,103,869	27,754	2,131,623	2,131,623
Residuals	W3 - Other gaseous residuals (vapour, oxygen,	-	-	-	-	-	-	-	-	-	491,495,995	5,855,816	497,351,811	497,351,811
l g	W4 - Nutrients and other residuals to water	-	-	-		-	-	-			11,318,233		11,318,233	11,318,233
l se	W5 - Demolition waste	18,909,556		-		-	18,585,026	37,494,582	-	37,494,582			-	37,494,582
	W6 - Manure, sewage, residuals from													
	dissipative uses of products	11,623,544	-	-		-	-	11,623,544	-	11,623,544	139,722,449		139,722,449	151,345,993
	W7 - Other hazardous and non-hazardous waste	66,904,794	-	-		-	37,334,566	104,239,360		104,239,360	28,177,967		28,177,967	132,417,327
	₩ - All residuals	97,437,894					55,919,592	153,357,486		153,357,486	1,181,821,564	16,312,598	1,198,134,162	1,351,491,648
	TOTAL MATERIAL USE BY ACTIVITY	2,826,883,320	216,057,704	8,857,918	190,510,359	325,713,154	55,979,592	3,623,942,047	132,497,007	3,756,439,054	1,181,821,564	76,372,598	1,198,134,162	4,954,573,216
_ 0	U1 - Wild biota	107,474		-		-		107,474	-	107,474	107,474	-	107,474.196	
Unused Materials	U2 - Mining overburden	16,715,068				-		16,715,068	-	16,715,068	16,715,068	-	16,715,068	
⊋ ≅	U3 - Soil removal	44,929,274	-	-	-	-	-	44,929,274	-	44,929,274	44,929,274	-	44,929,274	
	U - All unused	61,751,817		-		-	-	61,751,817		61,751,817	61,751,817	-	61,751,817	

						Socio-e	conomic system					Nat	ural environment -	NE	
				Natio	nal socio-econom	ic system			Rest of the	world		<u>National</u>			
		Material transf	iormation - T	Ac	cumulation of produ	icts-S1				Supply of residuals			Rest of the		
	Physical Supply table	Production	Consumption of non durable goods	Consumer durables	Inventories' net increase	Other capital	Landfills	Total national socio-economic system	Imports, including uses of fuel for transport by resident units abroad	by transport activities of non residents on national territory	Total socio- economic system	environment - NE1	world environment - NE2	Total Natural Environment	TOTAL MATERIAL SUPPLY BY MATERIAL
		T1	T2	S1.1	S1.2	S1.3	S2	N=T+S1+S2	RW	,	H=N+RW	<u>NE1</u>	NE2	NE=NE1+NE2	
	N1 - Fossil fuels	-	-	-	-	-		-		-		19,941,704		19,941,704	19,941,704
80	N2 - Ferrous metal ores			-				-		-			-		
sonices	N3 - Non-ferrous metal ores	-	-	-	-	-	-	-		-	-	39,397	-	39,397	39,397
88	N4 - Industrial minerals											9,444,554		9,444,554	9,444,554
ial ie	N5 - Construction minerals	-	-	-	-			-		-		398,260,658	-	398,260,658	398,260,658
Ę	N6 - Non-cultivated biomass		-	-	-			-		-		435,977	-	435,977	435,977
Nati	N7 - Water	-	-	-	-	-		-		-	-	19,597,667	-	19,597,667	19,597,667
	N - All natural resources			-								447,719,956		447,719,956	447,719,956
a 0	E1 - Water absorbed by cultivated plants and	-	-	-	-	-		-		-	-	195,141,275	-	195,141,275	195,141,275
a st	E2 - Air for combustion, respiration and	-		-		-		-		-		680,321,424	12,722,823	693,044,247	693,044,247
8 =	E3 - CO2 and nutrients absorbed by cultivated	-	-	-	-			-		-	-	238,919,548	-	238,919,548	238,919,548
űЕ	E - All ecosystem inputs	-	-	-	-	-				-	-	1,114,382,248	12,722,823	1,127,105,070	1,127,105,070
	P1 - Biomass products	566,788,043		-		-		566, 788, 043	49,018,837	-	615,806,879	-			615,806,879
Products	P2 - Fossil fuels products	64,123,805	-	-	-	-	-	64,123,805	172,607,922	-	236,731,727		-		236,731,727
8	P3 - Non-energy mineral products	1,085,905,833		-	-			1,085,905,833	68,463,514		1,154,369,347	-			1,154,369,347
<u>-</u>	P4 - Composite products	18,023,363	-	-	-	-	-	18,023,363	3,325,224	-	21,348,588	-	-		21,348,588
	P - All products	1,734,841,045		-				1,734,841,045	293,415,496		2,028,256,541		-		2,028,256,541
	W1 - GHGs, acidifying substances, ozone layer														
	depleters, heavy metals to air	393,375,186	112,041,281	-	-	-	532,813	505,949,279		13,482,800	519,432,079	-	-		519,432,079
	W2 - Other pollutants and toxic substances to air	1,059,770	1,022,144	-	-		6,944	2,088,858		42,765	2,131,623	-	-	-	2,131,623
00	W3 - Other gaseous residuals (vapour, oxygen,														
g g	etc.)	400,962,053	88,819,273	-	-	-		489,781,326		7,570,484	497,351,811	-	-	-	497,351,811
18	W4 - Nutrients and other residuals to water	10,074,493	1,243,740	-		-		11,318,233		-	11,318,233	-	-		11,318,233
æ	W5 - Demolition waste	18,585,026	-	-	-	18,909,556		37,494,582		-	37,494,582	-	-	-	37,494,582
	W6 - Manure, sewage, residuals from	146,553,621	4,792,372	-	-	-	-	151,345,993		-	151,345,993	-	-		151,345,993
	W7 - Other hazardous and non-hazardous waste	121,432,125	8,138,894	546,308	-	2,300,000	-	132,417,327	-	-	132,417,327	-	-		132,417,327
	₩ - All residuals	1,092,042,275	216,057,704	546,308		21,209,556	539,756	1,330,395,598		21,096,050	1,351,491,648		-		1,351,491,648
	TOTAL MATERIAL SUPPLY BY ACTIVITY	2,826,883,320	216,057,704	546,308		21,209,556	539,756	3,065,236,643	293,415,496	21,096,050	3,379,748,189	1,562,102,204	12,722,823	1,574,825,027	4,954,573,216
	ACCUMULATION IN THE ACTIVITY	-	-	8,311,611	190,510,359	304,503,598	55,379,836	558,705,403	-182014	4539	376,690,864	- 380,280,640	3,589,775	- 376,690,864	-
_ 0	U1 - Wild biota	107,474	-	-	-	-	e ·	107,474	=	-	107,474	107,474	-	107,474	
Unused	U2 - Mining overburden	16,715,068	-	-	-	-	-	16,715,068	-	-	16,715,068	16,715,068	-	16,715,068	
⊒ ₹	U3 - Soil removal	44,929,274	-		-	-	-	44,929,274	-	-	44,929,274	44,929,274	-	44,929,274	
	U - All unused	61,751,817	-			-		61,751,817		-	61,751,817	61,751,817	-	61,751,817	

								Socio-economic s	ystem .			
Ph	ysical	Input	-output table for	Material transfo	matics T		ational socio-economic sy iccumulation of producta-S1	stem		1	Rest of the world Exports including uses of fuels and Ecosystem inputs	Total socio-economic
1	<u> P1 - BI</u>	OMAS	S PRODUCTS	Production Production	Consumption of non		Inventories' net increase	Other capital	Landfills	Total national socio- economic system		system
				71	durable goods 72	\$1.1	S1.2	S1.3	52	N=T+S1+S2	on national territory RW	H-N+RW
		on . 7	Production	437.011.679	49.504.301	393.969	49.650.638	2.657.282		539.217.869	27.570.174	566.788.043
		Material ansformation	Consumption of non durable goods	-	-		-	-	-			
stem	nic system	s-s who tran	Consumer durables									
Socio-economic system	есопош	ial stocks - of residuals	Other capital		-			_				
оноэн-с	Socio.	Materi supply	Landfills		-			-			_	
Soci	National socio-economic	Total n	ational socio-economic system	437.011.679	49.504.301	393,969	49.650.638	2.657.282		539.217.869	27.570.174	566.788.043
	of the		including uses of fuel for transport by resident units abroad	41.193.187	7.233.966	139.480	-	452.204	-	49.018.837	-	49.018.837
	Rest	non	residuals by transport activities of residents on national territory n-economic system - H								27.570.174	615,806,879
	NE.	T	supply of natural resources	478.204.866	56.738.267	533.449	49.650.638	3.109.486		588.236.706	27.370.174	-
unent - ME	National environment		supply of ecosystem inputs	-	-	-	-	-	-			-
Natural environment - NE	Rest of the world environment - NE2		supply of ecosystem inputs	-	-		-	-		-	-	
			usi Environment - NE	470 204 022	Ee 720 207	E22.140	40.050.020	2 400 402		F00 222 702	27.570.474	245 002 070
	AND THE BIA	, cniAL U	SE BY ACTIVITY - H+NE	478.204.866	56.738.267	533.449	49.650.638	3.109.486		588.236.706	27.570.174	615.806.879
								Socia-economic s	ystem			
			output table for JEL PRODUCTS	Material transfo			ational socio-economic sy iccumulation of products-S1		Landfills	Total national socio-	Rest of the world Exports including uses of fuels and Ecosystem Inputs	Total socio-economic system
<u>F4</u>	., 03	OIL P	JEET RODUCTO	Production T1	Consumption of non durable goods 72	Consumer durables S1.1	Inventories' net increase S1.2	Other capital S1.3	S2	economic system N=T+S1+S2	for transport by non residents on national territory RW	H=N+RW
		on . 7	Production	23.442.491	1.324.150	102.683	3.201.786	22.916	-	28.094.025	36.029.781	64.123.805
	_	Material	Consumption of non durable									
their	ic system	als tran	goods Consumer durables	-			_	-				
mic sy	есовош	if stocks - if residuals	Other capital									
Socio-economic system	National socio-economic	Material s supply of A	Landfills	-	-			-	-			
Soci	Nationa	Total n	ational socio-economic system	23.442.491	1.324.150	102.683	3.201.786	22.916		28.094.025	36.029.781	64.123.805
	of the		including uses of fuel for transport by resident units abroad	171.855.066	752.092	34	-	730		172.607.922		172.607.922
	Rest	non	residuals by transport activities of residents on national territory n-economic system - H	195.297.557	2.076.241	102.717	3.201.786	23.645	-	200.701.946	36.029.781	236.731.727
			supply of natural resources	-	-	-	-	-		200.701.540	-	
nment NE	Mational environmen ME1		supply of ecosystem inputs	-	-		-	-				-
Natural environment - ME	Rest of the world environment -		supply of ecosystem inputs	-	-	÷	-	-	-		-	-
ľ		Total Nati	ural Environment - NE									
			SE BY ACTIVITY - H+NE	195.297.557	2.076.241	102.717	3.201.786	23,645		200.701.946	36.029.781	236.731.727
								Socio-economic s	ystem			
Ph	vsical	Input	-output table for	Material transfo	rmation - T		ational socio-economic sy iccumulation of products-S1	stem		I	Rest of the world Exports including uses of	Total socio-economic
			L PRODUCTS	Production	Consumption of non durable goods	Consumer durables	Inventories' net increase	Other capital	Landfills	Total national socio- economic system	fuels and Ecosystem Inputs for transport by non residents on national territory	system
				Tri	72	\$1.1	S1.2	S1.3	S2	N=7+S1+S2	RW	H=N+RW
		Material formation - 7	Production	573.964.849	1.383.551	3.895.230	142.602.150	317.743.993		1.039.589.772	46.316.062	1.085.905.833
	: system	Mater	Consumption of non durable goods	-	-	-	-	-	-		-	-
najski	emic syst	Ska - duals	Consumer durables	-	-		-	-				-
	10.96.0111	Material stoc supply of resid	Other capital	-	-	-	-	-	-			-
Socio-economic	National socio-	Mah suppli	Landfills					-				
500		Imports	ational socio-economic system including uses of fuel for transport	573,964,849	1.383.551	3.895.230	142.602.150	317.743.993	-	1.039.589.772	46.316.062	1.085.905.833
	Rest of the world	Supply of	by resident units abroad residuals by transport activities of residents on national territory	64.783.075	230.234	1.616.948	-	1.833.256		68,463,514	-	68.463.514
	3	Total socie	o-economic system - H	638.747.924	1.613.785	5.512.178	142.602.150	319.577.249		1.108.053.285	46.316.062	1.154,369,347
1. NE	National environment - NE1		supply of natural resources supply of ecosystem inputs	-			-	-			-	
и при при при при при при при при при пр												
Natural environment - NE	Rest of the world environment - NE 2		supply of ecosystem inputs	-	-	-	-	-	-			-
			ural Environment - NE						-			
	TOTAL MA	TERIAL U.	SE BY ACTIVITY - H+NE	638.747.924	1.613.785	5.512.178	142.602.150	319.577.249		1.108.053.285	46,316,062	1.154.369.347

								Socio-economic s	pitem					latural environment - A	E	
Die	uoleol	Inneret	-output table for			N	ational socio-economic sy				Rest of the world					TOTAL MATERIAL SUPPLY BY ACTIVITY
			ITE PRODUCTS	Material transfil Production	Consumption of non	Consumer darables	ccumulation of products-S1 Inventories' net Increase	Other casital	Landfills	Total national socio- economic system	Rost of the world Exports including uses of fuels and Ecosystem Inputs for transport by non residents on national territory	Tetal socia-economic system	National environment - NE1	Rest of the world environment - NE2	Total Natural Environment	SUPPLY BY ACTIVITY
				79	durable goods T2	S1.1	S1.2	S1.3	82	N=T+S1+S2	on national territory RW	H-N+RW	NE1	ME2	NE-NE1-NE2	H-ME
		. 10	Production	7.385.314	3.964.663	2.573.382	- 4.944.214	2.911.479		11.890.624	6.132.739	18.023.363				18.023.363
		Marecia														
51	systee	-	Consumption of non durable goods													
syste	o de de	ochs -	Consumer danables													
moso	9	Material o apply of n	Other capital							-						
octoe	7		Landfills													
wi	2	-	sational socio-economic system including uses of feel for transport	7.385.314 2.484.074	3.964.663 613.665	2.573.382	- 4.944.214	2.911.479 91.294		11.890.624	6.132.739	18.023.363				18.023.363 3.325.224
	Rest of the world	Supply o	including uses of fael for transport by readers units abroad f residuals by transport activities of residents on national territory	2.404.074	013.000	130.191		91.204		3.320.224		3.320.224				3,020,224
		/ otal seco	o-ecosonic system - H	9.869.388	4.578.328	2.709.574	- 4.944.214	3.002.773		15.215.849	6.132.739	21.348.588				21.348.588
w	nearf.		supply of natural resources													
Dast - NE	Matous erricossussif		aupply of ecosystem inputs													
Triboan																
Madacal errole	pent of the pend richment	l	augoly of ecoayatem inputs													
8	4 F															
	TOTAL MA	TERML U	SE BY ACTIVITY - H-NE	9.869.388	4.578.328	2.709.574	· 4.944.214	3.002.773	- :	15.215.849	6.132.739	21.348.588	- :	- :	- :	21.348.588
								Socio econonic g	préson					latinal suricement - A	E	
Ph	ysical		-output table for 1-W4				otional socio-aconomic sy	gitem			Rest of the world	Tetal secie-economic				TOTAL MATERIAL SUPPLY BY ACTIVITY
		JALS	that are emitted	Material transfe Production	Consumption of non durable goods	Consumer danables	consolation of products-S1 Inventories' net increase	Other capital	LandRis	Total sational socio- economic system	Reat of the world Expects including area of finels and Ecosystem layers for transport by non residents on national sectory	gatem	National environment	Rest of the world environment - HE2	Total National Engineering	-ALC: OF ROBBIT
	direct	ly to a	air and water)	79	72	\$1.1	S1.2	\$1.3	82	N+T+S1+S2	RW RW	H-N+RW	NE1	NE2	NE-NE1-NE2	H-NE
		19/ 600 - 7	Production										790.763.470	14.708.033	805 471 503	805.471.503
	٠.	Mahv	Consumption of non durable goods										201.521.873	1.604.565	203.126.438	203,126,438
	concenie system		Gonoumer durables													
system		otocks - weedsab								•						
mornic	9	Marcol apply of	Other cepter										539.756		539.756	539.756
clo-eco	12	- "	Landrifs Lational socio-economic system										992.825.099	16.312.598	1.009.137.697	1.009.137.697
8	2		including uses of fael for transport by resident units abroad										392.820.039	10.312.030	1.009.137.097	1.003.137.037
	ê															-
	Rest		f residuels by trensport activities of residents on national tentory										21.096.050		21.096.050	21.096.050
_	- 21		o economic system - H supply of netural resources	<u>.</u>	-	-		-		-		-	1.013.921.148	16.312.598	1.030.233.746	1.030.233.746
9	Marious environment ME 1		,													-
ment MC	M m		supply of ecosystem inputs							-						
enina	world int -															
Variety envi	not the		aupply of ecosystem inputs													-
-1	Rest															
			SE BY ACTIVITY - H-ME	· ·	- :		- :	-	- :	- :	- :	- :	1.013.921.148	16.312.598	1.030.233.746	1.030.233.746
Ph	vsical	Innut	-output table for					Socio-economic s	poterm					latural erreironment - A	E	
		W	5-W7	Material transfe		N	ational socio-aconomic sy ccumulation of products-S1	gstern			Rost of the world	Tetal socio-economic				TOTAL MATERIAL SUPPLY BY ACTIVITY
			nat also circulate ocioeconomic	Production	Consumption of non durable goods	Consumer durables	Investories' net increase	Other casital	Landfills	Total national socio- economic system	Exports including uses of fuels and Ecosystem Inputs for Itamport by non residents on national territory	system	National environment NE1	Rest of the world environment - NE2	Total Natural Environment	SUPPLY BY ACTIVITY
	iisiue		stem)	79	durable goods 72	\$1.1	51.2	51.3	52	N=7+S1+S2	on national territory RW	H=N+RW	NC)	MC2	MC-MC1-MC2	H-ME
		, i	Production	62.750.764					55.919.592	118.670.356		118.670.356	167.900.416		167.900.416	286,570,772
		Marecia														
	- Martin	trava	Consumption of non durable goods	12.931.266						12.931.266		12.931.266				12,931,266
i de	- Section	ochs - setus	Consumer danishes	546.308						546.208		546,308				546,308
ank sp	de-eco	davial as ty of re.	Other capital	21.209.556						21.209.556		21.209.556				21.209.556
D-BCDII	1	Man	Landfills													
Seci	2		sational socio-economic system	97,437,894					55,919,592	153,357,486		153.357.486	167.900.416		167,900,416	321.257.902
	2		including uses of fael for transport by resident units abroad													
	Rect of	Supply o	f residuals by transport activities of residents on national tenholy													
	Ē	Total soci	o-economic system - H	97,437,894					55,919,592	152,357,486		153.357.486	167.900,416		167,900,416	321.257.902
	inest.		supply of natural resources													
sent - AE	Against Affi		supply of ecosystem inputs													
doesna	No.															
Metarol envi	8 8 2		supply of ecosystem inputs													
Neo.	Rest of															
			and Enrisonment - ME.													
	TOTAL MA	TERMIL U	SE BY ACTIVITY - H+ME	97,437,894					55,919,592	153,357,486		153,357,486	167.900.416		167,900,416	321.257.902

Discont							Socio-ecosonic sy	Shorts				M.	stassi environment - N	E	
		t-output table for				innal socio-acenemic sy				Rest of the world					TOTAL MATERIA
		RODUCTS	Material transfor	reation - 7 Consumption	Acc Consumer durables	unsalation of products-S1 (overstories' change	Other capital	Lendfills	l'otal sational socio- economic system	Exports including uses of faels by non residents on national territory	Total ancie-economic system	National environment - NE1	Rest of the world environment - NE2	Local Natural Environment	SUPPLY BY ACTIV
			77	72	S11	S12	S13	S2	N=T+S1+S2	R R	H-N+R	ME1	ME2	NE-NE1-NE2	H-NE
	Material Storostico - 7	Production	1.041.804.333	56.176.665	6.965.265	190.510.359	323 335 669		1.618.792.290	116.048.755	1.734.841.045	-	-	-	1.734.841.0
	Mah	Consumption of non durable goods													
stric system	atocia - muiduala	Consumer durables										-			
inomic b-ecen		Other capital										-			
enal socio	Makes Victoria	Landfills										-			
2		national socio-economic system	1.041.804.333	56.176.665	6.965.265	190.510.359	323.335.669		1.618.792.290	116.048.755	1.734.841.045				1.734.841
ŧ.		s, including uses of fuel for transport by resident units abroad	280.315.402	8.829.956	1.892.654		2.377.484		293.415.498		293.415.496				293,411
Rest	Supply o	of residuals by transport activities of in residents on national territory													
		io-economic system - H	1.322.119.735	65,006,621	8,857,918	190,510,359	325,713,154		1.912.207.786	116,049,755	2.028.256,541				2.028.25
Satisaci emissanent	ũ	supply of natural resources			-	-	-					-			
Name of Participation o	21	supply of ecosystem inputs													
Reat of the National emissions emissions of the National	[E]	supply of ecosystem inputs										-			
		theat Environment - NE	-					-						-	
TOTAL 8	MATERIAL L	USE BY ACTIWITY - H+NE	1.322.119.735	65.006.621	8.857.918	190.510.359	325.713.154		1.912.207.786	116,048,755	2.028.256.541				2.028.250
							Socio-economic sy								
						86	atusi enrimonest - N								
		put-output table for Meteral transformation - 7													
		SIDUALS			Acc	ional socio-economic sy sensiation of products-S1		Lacotida	l'otal enforcal socio- economic system	Rest of the world Exports including uses of faels by non residents on	Total secie-economic againm	National environment - NE1	Rest of the world environment - NE2	Total Natural Environment	SUPPLY BY ACTO
	ALL IXE	<u>ESIDUALS</u>	Material transfor Production 71	Consumption 72			Other capital S13	Lacotida 57	Total entional socio- economic system N=T+S1+S2	Exports including uses of	Total secie economic applem B=N+R			Total National Enriconnect.	TOTAL MATER SUPPLY BY ACT
	stier T	Production Production	Production	Consumption	Acc Consumer durables	smalation of products-S1 (reantonies' change	Other capital		economic system	Exports including uses of fault by non residents on national territory	apatena	NE1	environment - HE2	Environment.	SUPPLY BY ACT
Shen	h.		Production 79	Consumption	Acc Consumer durables	smalation of products-S1 (reantonies' change	Other capital	52	economic system N=I+S1+S2	Exports including uses of fault by non residents on national territory	nyaétan m-N+R	NEI	environment - HE2	Emriconment.	#:ME 1.092.04
- 8	Museial transferresion - T	Production Consumption of non durable	Production 79 62.750.784	Consumption	Acc Consumer durables	umulatio of producta-S1 (reventories" charge 512	Other capital	52	economic system N=F+S1+S2 118.679.356	Exports including asso of fools by non residents on residenal territory.	1986m H=H+R 118.670,356	ME1 MEX 958.663.886	ME2 14.708.033	#E-MET-ME2 973.371.919	1.092.04 216.05
to economic system	Wateria - Maseist - Anadosts transferration - 7	Production Consumption of non durable goods	Production 79 62.750.764 12.931.266	Consumption 72	Acc Consumer durables S11	consistion of products-S1 (rewntonies" charge S12	Other capital 513	52 55.919.592	economic system N=7-51-52 118.670.356 12.931.266	Experts including uses of family property of family property or restricted terminary R	118.670.356 12.931.266	958.863.886 201.521.873	ME2 14,708,033 1,804,585	973.371.919 203.126.438	#:-NE 1.092.04 216.05
io economic syst	atocia - Mateial maduale transformation - T	Production Consumption of non durable goods Consumer shrabiles	Production 77 62.750.764 12.931.266 546.308	Consumption T2	Acc Consumer durables S11	consilistics of products-S1 (counteness charge S12	Other capital \$13	57 55.919.592	N-T-51-52 118.670.356 12.931.266 546.308	Experts including uses of facels by no envidents on scalings and residents residenced territory.	18-N+R 118.670,356 12.931,266 546,308	ME1 ME2 958.063.886 201.521.873	ME2 14.708.033 1.804.585	ME-MET-ME2 973.371.919 203.126.438	1.092.04 216.05 54
socio-ecamanic spat	Maximil stocks - Mesoist supply of medicals transformation - 7	Production Consumption of non skrabble goods Consumer skrabbles Other capital	Production 77 62.750.764 12.831.286 546.308 21.209.556	Consumption T2 -	Acc Consumer desables S11 -	consiletion of products-Sf (rountonial charge S12	Other capital \$13	57 55,919,592 - -	118.670.356 12.931.266 546.308 21.209.556	Experts including also of basis by near unsident on sociosal fernitary.	118.670.356 12.931.266 546.308 21.209.556	ME1 ME2 958.863.886 201.521.873	ME2 14.708.033 1.804.585	973.371.919 203.126.438	1.092.04 216.05 54 21.20
National socio-remente speri	Maxwell accels - Metericin - Metericin	Production Consumption of non skrabble goods Consumer skrabbles Other capital Landfills	Production 77 62.750.764 12.831.286 546.308 21.209.556	Consumption TZ	Acc Consumer durables S11	urealelon of products-ST (rewatonial charge ST2	Other capital S73	57 55,919,592 - - -	118.670.356 12.921.266 546.308 21.209.556	Export including also of building and including on solicidal territory.	118.670.356 12.931.266 546.308 21.209.556	ME1 ME2 958.863.886 201.521.873 - - 539.756	MIZ 14.708.033 1.804.565	Emoleonoment. ME-MET-ME2 973.371.919 203.126.438	1.092.04 216.05 54 21.20
National socio-remente speri	Maxwell accels - Metericin - Metericin	Production Crosseppino of non desable goods Goodsprow' desables Cities rapidal Lindfills authorized socioeconomic systems p. rokolings uses of New for transport	Production 77 62.750.764 12.831.286 546.308 21.209.556	Consumption TZ	Acc Consumer Anables S11	urealeto of produte-ST (rewithhila charge ST2	Other capital 513	57 55,919,592 - - -	118.670.356 12.931.266 546.308 21.209.556	Export including also of table by each unificant on solicest terminy.	118.670.356 12.931.266 12.931.266 546.308 21.209.556	ME1 ME2 958.863.886 201.521.873 - - 539.756	MC2 14,708,033 1,804,585	Emoleonoment. ME-MET-ME2 973.371.919 203.126.438	1.092.04 216.05 54 21.20 53 1.330.29
Rest of the National socio-oconomic systems	Fedal sec	Production Consumption of non shealth goods Consumer durabiles Other capital Lendilla Lendi	Predictive 77 62.750.764 12.931.266 546.308 21.209.555 97.437.884	Consumption TZ	Acc Consumer Anables S11	unsaleto of products-ST (rewateries) charge ST2	Other capital 573	57 55,919,592 - - -	118.670.356 12.931.266 546.308 21.209.556	Export including also of table by each unificant on solicest terminy.	118.670,356 11.931,266 12.931,266 546,308 21.209,556	ME1 ME2 958.063.896 201.521.873 - 539.756 1.160.728.515	MC2 14.708.033 1.804.585	Emolosossest. MC-ME1-ME2 973.371.919 203.126.438 539.756 1.177.038.113	ttoNE 1,092,04 216,05 54 21,20 53 1,330,29 21,00
Rest of the Rational socio-economic systematic	Fedal sec	Production Concentration of non sheaking grounds Concentration of non sheaking grounds Concentration of Assistance Control of Assistance Leading Assistance of New for Interspect In Production Section of New York Interspec	Presidentine 77 82.750.764 12.931.266 546.308 21.209.556 97.427.884	Consumption 172	Acc Consumer Areathins S11	freedomatic of products ST (revedomatic charge ST2 -	Other capital 513	57 55.919.592	economic system N=1-51+52 118.870.356 12.931.266 546.308 21.209.556	Experts including uses of such layers and such as such layers and such as such as	118.670,356 12.931,266 12.931,266 546,308 21.209,556	ME1 ME2 958.063.896 201.521.873 - 539.756 1.160.728.515	862 14,708,033 1,804,585	Emdonoment. ME-MET-ME2 973.371.919 203.126.438 539.756 1.177.038.113	ttoNE 1,092,04 216,05 54 21,20 53 1,330,29 21,00
Nicional Rest afthe Rational socio-economic systems	- global succession supplies to supplies the supplies of supplies to supplies	Production Discounterface of non-shadely good of the control of t	Presidentine 77 82.750.764 12.931.266 546.308 21.209.556 97.427.884	Consumption 172	Acc Consumer Areathins S11	freedomatic of products ST (revedomatic charge ST2 -	Other capital 513	57 55.919.592	economic system N=1-51+52 118.870.356 12.931.266 546.308 21.209.556	Experts including uses of such layers and such as such layers and such as such as	118.670.356 112.931.266 540.308 21.209.556 153.357.466	ME1 ME2 958.063.896 201.521.873 - 539.756 1.160.728.515	862 14,708,033 1,804,585	Emdonoment. ME-MET-ME2 973.371.919 203.126.438 539.756 1.177.038.113	tton: 1,092,04 216,05 54 21,20 53 1,330,35
Historia estimated (National socio-economic systematic	- global succession supplies to supplies the supplies of supplies to supplies	Produzion Consumption of non shable gates General Assistent Other capital Other capital astituda besi-in-economic system schooling and sharl for managed by modern of the other managed or another in the other capital of modern of the other managed or another in the other capital of modern of the other managed or another in the other capital or another capit	Productive 77 77 78 78 78 78 78 78 78 78 78 78 78	Consumption 172	Acc Consumer Areathins S11	freedomatic of products ST (revedomatic charge ST2 -	Other capital 513	57 55.919.592	**Concolin System N-7-51-92 11-8-70-356	Experts including uses of such layers and such as such layers and such as such as	118.670.356 112.931.266 540.308 21.209.556 153.357.466	ME1 ME2 958.063.896 201.521.873 - 539.756 1.160.728.515	862 14,708,033 1,804,585	Emdonoment. ME-MET-ME2 973.371.919 203.126.438 539.756 1.177.038.113	ttoNE 1,092,04 216,05 54 21,20 53 1,330,29 21,00
Rest of the Rational socio-economic system	Foods acceptable to page 1	Production Consequence of an abadient grant gran	Productive 77 77 78 78 78 78 78 78 78 78 78 78 78	Consumption 172	Acc Consumer Areathins S11	freedomatic of products ST (revedomatic charge ST2 -	Other capital 913	57 55.919.592	**Concolin System N-7-51-92 11-8-70-356	Experts including uses of such layers and such as such layers and such as such as	118.670.356 112.931.266 540.308 21.209.556 153.357.466	ME1 ME2 958.063.896 201.521.873 - 539.756 1.160.728.515	862 14,708,033 1,804,585	Emdonoment. ME-MET-ME2 973.371.919 203.126.438 539.756 1.177.038.113	SUMPLY BY ACT

								Socio-economic s	potent					must environment - N		
Ph			t-output table for	Material transfe			ational socio-economic sy	stem			Rest of the world Exports including cases of	Total secio-economic	National environment	Reat of the world environment - MEZ	Total Natural Englosment	TOTAL MATERIAL SUPPLY BY ACTIVITY
	Α	LL <u>P</u>	RODUCTS	Production	Consumption	Consumer durables	cosmulation of products-S1 (overstories" change	Other capital	Landfills	Fotal national socio- economic system	faels by non residents on national territory	system				
		h-		79	72	S11	S12	S13	S2	N=T+S1+S2	R	H-N+R	NE1	ME2	ME+NE1+NE2	H+NE
		Senial costson -	Production	1.041.804.333	56,176,665	6.965.265	190,510,359	323.335.669		1.618.792.290	116.048.755	1.734.841.045	-			1.734.841.045
		Mac	Consumption of non durable goods													
year	nic syst	- 00	Consumer durables													
serie e	100	al atocia - of meidual	Other capital													
00000	Isoch	Mater	Landfills													
200	Subsection		national socio-economic system	1.041.804.333	56,176,665	6,965,265	190,510,359	323.335.669		1.618.792.290	116.048.755	1,734,841,045				1.734.841.045
	ŧ.		, including uses of fuel for transport by resident units abroad	280.315.402	8.829.956	1.892.654		2.377.484		293,415,496		293.415.496				293.415.496
	19 8	Supply	by resident units abroad of residuals by transport activities of a residents on replant tembry la-economic system - H	1,322,119,735	65,006,621	8,857,918	190,510,359	325,713,154		1.912.207.786	116,048,755	2.028.256,541	-			2.028.256.54
	~(ž)		oupply of natural resources	1.342.113.733	03,000,021	0.037.910	120,310,233	323,713,134		1.912.207.100	110,046,733	2.020.230,341				2.020.230.34
N.	Minhood minoomeni ME 1															
Sainti enritemment - MC	9		supply of ecosystem inputs										-			
Di ensi	Rear of the architecturers	:1	supply of ecosystem inputs													
Mash	Rest	21	oppy is students about													
		Total Na	tival Environment - ME ISE BY ACTIWITY - H-ME	1,322,119,735	65.006.621	8,857,918	190,510,359	325.713.154		1.912.207.786	116,048,755	2.028.256,541				2 028 256 541
	TO THE BE	Lines	Za. Dr. ACOBOT - NM.	1.322.116.733	03.000.021	0.037.910	180.310.308			1.912.201.100	110,046,733	2.020.230.041				2.028.230.341
Dh	veical	Innu	t-output table for				ational zocio e cenemic sy	Socio-economic s	pionis		Boot of the world					TOTAL MATERIAL SUPPLY BY ACTIVITY
	A	LL RE	SIDUALS	Material transfe Production	Consumption	Consumer durables	(countation of products-S1 (reentories' change	Other capital	Lundfills	Total rational socio- economic system	Rest of the world Experts including uses of facts by non residents on radional ferritory	Total secio-economic agatem	National environment NE1	Rest of the world environment - HE2	Total Retwell Engineers	SIAPLY BY ACTIVITY.
				71	72	SII	\$12	S13	52	N=T+S1+S2	R	H-N+R	MEX	ME2	NE-MET-NE2	H-ME
		No.	Production	62.750.764					55.919.592	118.670.356		118.670.356	958.663.886	14.708.033	973.371.919	1.092.042.275
		Mac	Consumption of non dynable goods	12.931.266						12.931.266		12.931.266	201.521.873	1.604.565	203.126.438	216.057.704
	consulcegal	. 0	Consumer durables	546.308						546.308		546,308				546,308
system		atocia - meduala	Other capital	21 209 556						21,209,556		21,209,556				21 209,556
osossk	9-6209	Mannia upply of	Landfills	21208330						21,203,330		21200.000	539.756		539.756	539.756
ocio-ec	Ties III	Total	national socio-economic system	97.427.894					55.919.592	153,357,486		153,357,486	1,160,725,515	16,312,598	1.177.038.113	1,330,395,598
41	2		i, including uses of fuel for transport by resident units abroad													
	ě_	_	of residuals by transport activities of a residents on national territory										21.096.050		21.096.050	21,096,050
	Rest		n residents on national territory in-accessmic system - H	97.437.894					55.919.592	153,357,486		153 357 486	1.181.821.564	16.312.598	1.198.134.162	1.351.491.648
	-ı i		supply of natural resources							133,337,400			-			1.351.451.640
N. Jan	Maries House		supply of ecographys inputs													
Annet	. 8		supply or ecosystem sputs							•						
Leaving	of the world fromment -															
Mahari	Pest of sh entition		supply of ecosystem inputs													
	@ v1	Total No	tival Environment - NE													
	TOTAL M	ATERNAL (ISE BY ACTIVITY - H-NE	97.437.894					55,919,592	153,357,486		153.357.486	1.181.821.564	16,312,598	1.198.134.162	1.351.491.648
							ational socio-a conomic sy	Socio-econonic a	podecti		Rest of the world			atous environment - N		
Ph	ysical	Input	t-output table for	Material transfe	ornation - T		locamulation of products-S1			l'otal sutional socio-		Total secie-economic system	National environment NE1	Rest of the world environment - NE2	Total Retural Environment	TOTAL MATERIAL SUPPLY BY ACTIVITY
	A	LL M	ATERIALS	Production	Consumption of non durable goods	Consumer durables	(overstories" set increase	Other capital	Lacofills	economic system	Exports including uses of fixels and Ecosystem Inputs for transport by non-residents on national decitory.	2				
				79	72	\$1.1	\$1.2	\$1.3	52	N=T+S1+S2	RW	H-N+RW	MES	ME2	ME-MET-ME2	H-ME
		and and	Production	1.104.555.097	56.176.665	6.965.265	190.510.359	323.335.669	55.919.592	1.737.462.646	116.048.755	1.853.511.401	958.663.886	14.708.033	973.371.919	2.826.883.320
		Mah	Consumption of non durable goods	12.931.266						12.931.266		12.931.266	201.521.873	1.604.565	203.126.438	216,057,704
Ē	ale syst	Sis.	Consumer starsbiks	546.308						546.308		546,308				546,308
sk sps	40103	Catocka	Other capital	21 209 556				-		21,209,556		21,209,556				21,209,556
0000	l sedo	Marecia upply of	Landfills	21.209.330						21.209.550		21,209,000	539.756		539.756	539,756
Sector	fation	Fotel	authoral socio-economic system	1.139.242.226	56.176.665	6.965.265	190,510,359	323,335,669	55.919.592	1.772.149.776	116,048,755	1.888.198.531	1.160.725.515	16.312.598	1.177.038.113	3.065.236.643
	ŧ.		, including uses of fuel for transport by resident units abroad	280.315.402	8.829.956	1.892.654		2.377.484		293.415.496		293.415.496				293,415,496
	Rest		of residuals by transport activities of in residents on national territory										21.096.050		21.096.050	21,096,050
		Total soc	lo-economic system - H	1,419,557,628	65,006,621	8,857,918	190,510,359	325,713,154	55,919,592	2.065,565,272	116,048,755	2.181.614.027	1.181.821.564	16,312,598	1,198,134,162	3,379,748,189
	insent.		supply of natural resources	447.719.956						447.719.956		447.719.956	-			447.719.956
Mr. Vie	Nich		supply of ecosystem inputs	948.127.880	149.806.116					1.097.933.996	16.448.252	1.114.382.248				1.114.382.248
Whomas	- NE2															
Shired env	Cibe un		supply of ecosystem inputs	11.477.855	1,244,968					12.722.823		12.722.823				12.722.823
Nec	Rest of the u															
			tival Environment - NE. ISE BY ACTIVITY - H+NE	1,407,925,692 2,826,883,320	151.051.083 216.057.704	8,857,918	190,510,359	325.713.154	55,919,592	1.558.376.775 3.623.942.047	16,448,252 132,497,007	1,574,825,027	1.181.821.564	16,312,598	1.198.134.162	1.574.825.027 4.954.573.216
	DOTHE M		Currelation by the activity	2.820.883.320	210.057.704	8.857.918 8.311.611	169.300.803		-3.065.236.643	3.823.942.047	- 182.014.539	3.756.439.064	- 380.280.640	3.589.775	- 376.690.864	4.954.573.216