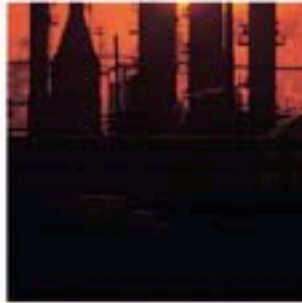


إطار للمحاسبة البيئية الاقتصادية في منطقة الإسكوا



الاسكوا

الأمم المتحدة - اللجنة الاقتصادية والاجتماعية لغربي آسيا

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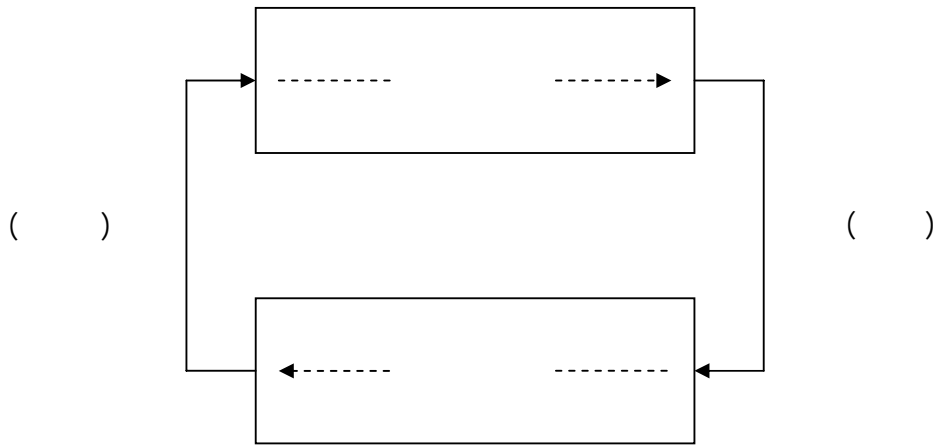
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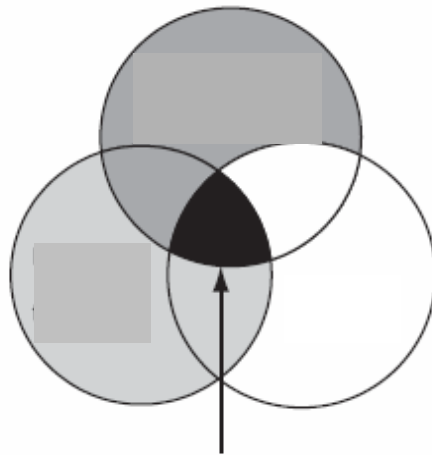
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10.52	24 495	22 164	2.2	38 560	37 707
6.10	20 341	19 172	1.7	28 993	28 506
7.74	26 019	24 150	1.9	2 595	2 546
0.64	4 210	4 183	3.2	4 017	3 889
2.85	30 102	29 270	2.4	841	821
4.35	61 350	58 794	2.5	2 851	2 779
7.50	22 161	20 614	1.1	4 099	4 055
7.10	135 683	126 688	1.8	75 498	74 166
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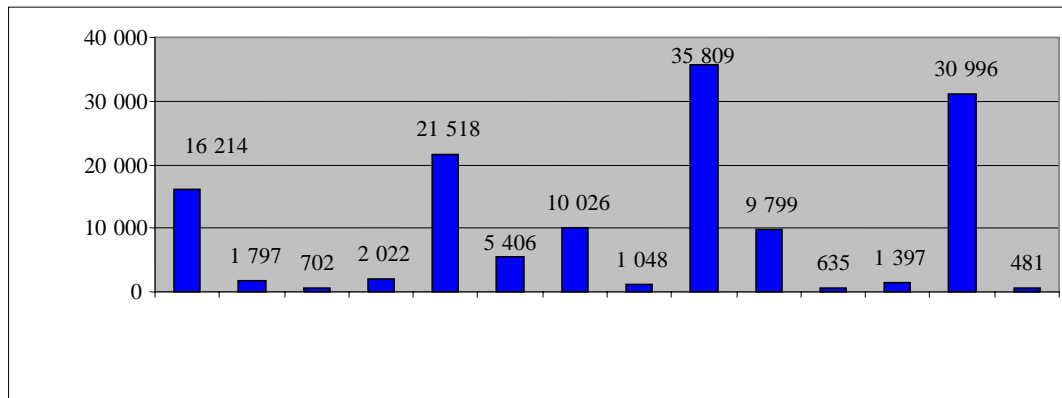
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ESCWA” (E/ESCWA/SCU/2007/WG.2/3).

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Mahmoud Alkhalde, "Experiences in Water Statistics and Accounts", 5th World Water Forum, Istanbul, Turkey, 16-22 : _____
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3	57	40	287	9	163	115	11	60	2.7	0.6	57.1	215	6	151	58	617	491	1994
3	59	38	292	9	171	112	12	53	2.4	0.5	50.1	227	7	159	62	574	511	1995
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3	60	37	318	10	192	116	13	58	2.6	0.6	55.2	247	7	178	61	552	554	1997
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3	59	38	315	9	185	121	14	61	2.8	0.6	58.5	239	6	170	62	532	600	1999
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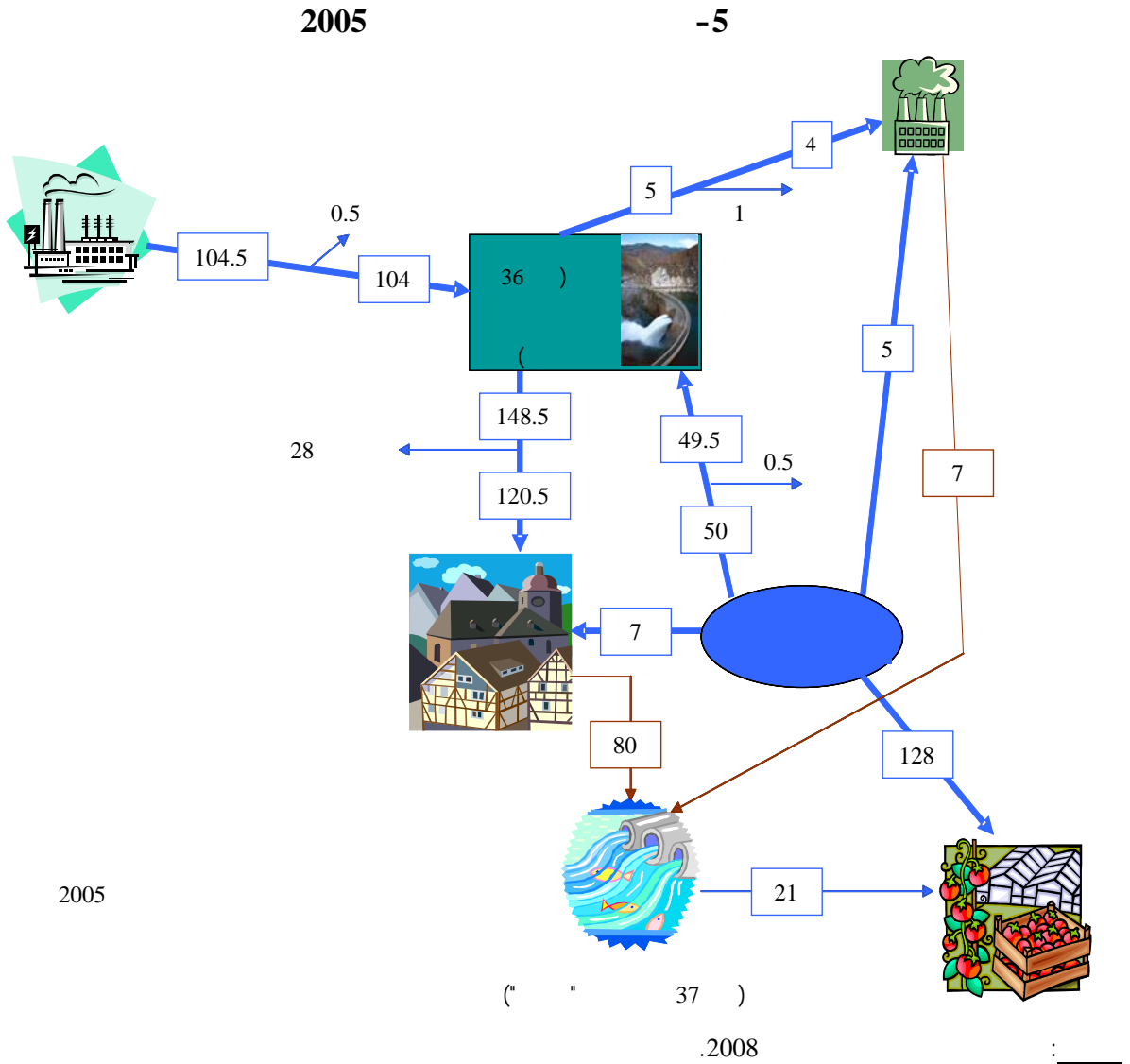
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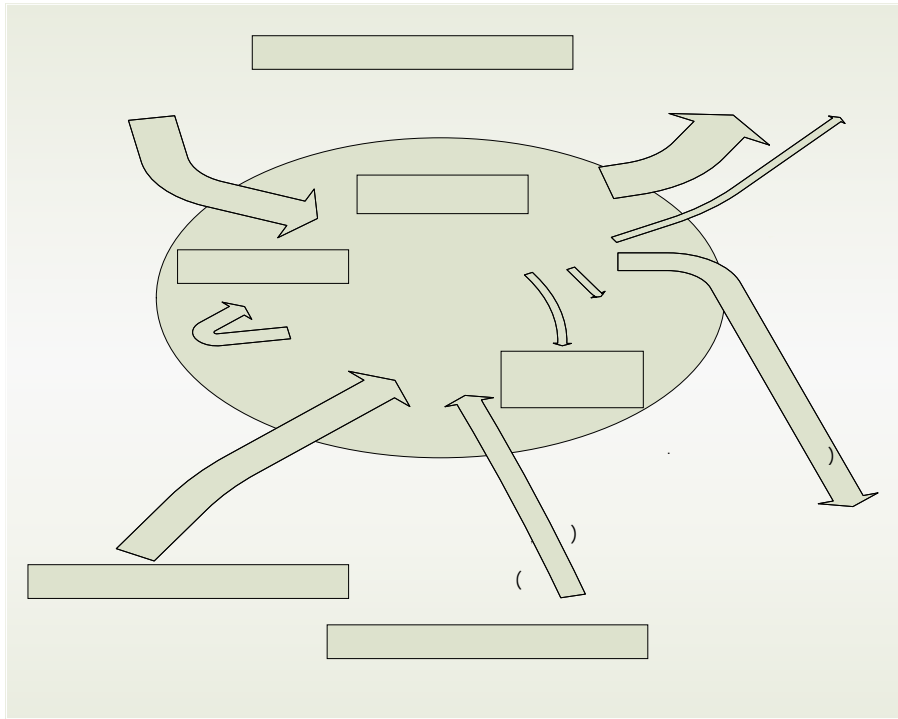
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5.94	3.81	-	0.08	-	-	-	1.98	0.01	0.06	
5.32	1.51	0.74	0.25	1.63	0.13	-	0.72	0.04	0.29	
2.40	1.19	-	-	0.31	0.30	-	0.50	0.01	0.09	
5.10	2.06	-	0.01	0.46	-	-	1.31	0.17	1.09	
6.40	2.02	-	-	-	0.17	-	2.23	0.26	1.72	
3.23	2.36	-	0.02	0.36	0.22	-	0.20	0.01	0.07	
116.32	1.91	43.53	16.43	44.87	6.83	2.47	0.20	-	0.08	
153.26	42.20	-	-	13.16	88.56	2.14	6.57	0.45	0.18	
595.95	125.60	44.57	21.24	99.03	107.34	6.79	129.76	4.41	38.57	

<http://www.stats.govt.nz/environment/environmental-accounts/energy-and-emissions.htm>.

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1 184.0	8.6	2.3	915.3	181.5	-	44.5	31.9	
479.8	0.6	118.7	360.5	0.1	-	-	-	
175.7	1.1	37.5	111.7	25.3	-	-	-	
331.2	-	37.5	251.1	14.8	-	0.7	26.9	
1 585.7	0.2	12.8	101.9	1.4	3.1	572.3	31.8	()
6 712.3	-	-	-	-	-	4 961.5	1 750.7	
1 684.9	1.1	9.0	185.3	66.9	19.5	323.8	1 079.3	
136.8	0.2	7.1	34.4	1.3	0.6	41.1	52.0	
150.6	-	5.9	4.4	0.1	15.8	65.1	59.3	
371.2	1.4	29.8	1.3	0.1	1.3	337.3	-	()
672.4	0.2	2.6	33.3	-	12.4	50.2	573.7	
1 688.6	1.1	49.5	13.5	0.5	6.4	82.8	1 534.9	
296.1	0.2	7.1	210.4	4.5	9.1	51.2	13.5	(*)
3.5	-	0.1	1.1	1.1	0.1	1.0	-	
339.8	5.2	0.8	257.8	69.1	6.9	0.1	-	
834.4	-	0.7	121.4	345.4	44.5	200.5	122.0	
160.2	-	5.0	10.5	10.0	10.8	121.8	2.0	
60.2	-	-	44.9	14.2	0.5	0.5	-	
117.0	-	5.9	-	-	-	104.3	6.7	
259.6	50.4	18.4	113.1	8.9	-	38.2	30.6	
77.2	-	-	21.2	19.8	-	26.4	9.8	
217.3	-	1.1	31.7	-	-	69.4	115.1	
350.1	-	-	24.8	25.8	-	117.9	181.6	
18.6	-	1.2	-	-	-	10.4	7.0	
7 910.4	2 964.6	1 207.9	3 118.6	452.0	149.5	10.5	7.3	
7 311.0	-	-	914.4	5 862.7	129.5	346.9	57.4	
33 128.3	3 035.0	1 561.0	6 882.6	7 105.7	410.0	7 578.4	5 693.6	

<http://www.stats.govt.nz/environment/environmental-accounts/energy-and-emissions.htm>

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10 919	3 847	16 675	17 366	4 742	1 183 983	
6 486	611	1 857	6 909	1 642	479 843	
1 919	585	2 423	6 538	627	175 660	
3 349	706	2 360	8 892	1 172	331 160	
4 157	11 216	347	3 474	43 425	1 585 686	()
25 495	514	2 870	11 615	5 695	6 712 261	
6 069	271	262	6 239	422	1 684 883	
451	17	27	365	46	136 822	
558	20	32	388	54	150 641	
1 509	31	110	222	195	371 168	()
3 425	127	496	2 696	167	672 371	
6 536	330	183	8 029	323	1 688 578	
628	23	67	520	105	296 060	()
8	0	1	5	1	3 477	
521	24	75	632	109	339 821	
4 198	5 068	24 775	7 427	2 844	834 404	
296	165	765	1 768	161	160 162	
566	256	1 183	845	259	60 224	
105	23	32	1 306	61	116 981	
1 565	365	1 268	2 992	614	259 558	
403	318	1 488	848	230	77 197	
668	291	388	1 886	405	217 283	
980	767	2 291	2 831	692	350 052	
27	16	16	160	20	18 633	
51 211	27 718	56 272	90 350	22 753	7 910 383	
51 286	79 866	412 821	55 054	41 451	7 311 007	
183 334	133 513	529 083	239 356	128 215	33 128 296	

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6 934.0	..	3 373.1	3 560.9	486.3	3 074.6	1997
536.3	..	141.2	395.1	19.9	375.2	
621.4	..	297.7	323.7	31.4	292.3	
7 019.1	..	3 529.6	3 489.5	497.8	2 991.7	1998
453.1	..	108.7	344.4	12.9	331.5	
683.2-	..	703.0-	19.8	162.1-	181.9	
5 882.8	..	2 717.9	3 164.9	322.8	2 842.1	1999
596.6	..	169.6	427.0	15.9	411.1	
2 415.0	..	1 692.6	722.4	90.9	631.5	
7 701.2	..	4 240.9	3 460.3	397.8	3 062.5	2000
669.4	..	101.9	567.5	0.0	567.5	
489.5	..	1 592.2-	2 081.7	464.0	1 617.6	
7 521.3	..	2 546.8	4 974.5	861.8	4 112.7	2001

<http://www.stats.govt.nz/environment/environmental-accounts/energy-and-emissions.htm> : _____

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E.V. Domingo and M.G.B. Buenaseda, "Compilation of Resource Accounts (Selected Case Studies): Land/Soil (66)

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E.V. Domingo and M.G.B. Buenaseda, "Compilation of Resource Accounts (Selected Case Studies): Land/Soil Resource : _____
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2	2	0	0	15	13	3	3	90	
9	6	6	4	5	4	13	10	79	
0	0	1	1	11	21	2	5	187	
9	212	8	181	10	235	1	24	2 498	
3	15	1	3	8	33	14	61	431	
5	13	1	3	9	29	6	20	312	
1	0	7	1	10	1	17	2	12	
17	4	1	0	8	1	10	2	17	
0	0	0	0	46	5	0	0	10	
0	0	1	14	8	78	9	87	998	
8	191	0	6	7	140	5	93	1 954	
4	19	0	0	9	36	4	17	421	

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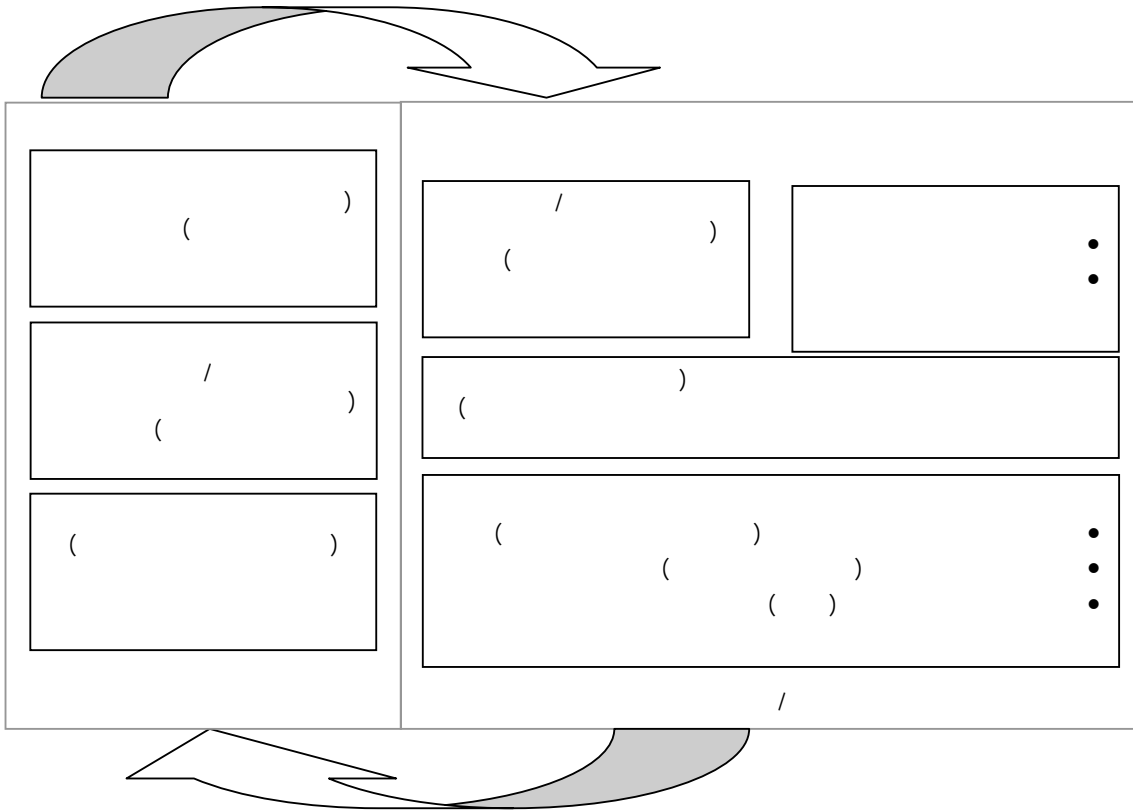
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(European Environment Agency, 2006).

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..	94	6	90	10	
45	46	9	..	37	46	17	
61	36	2	11	45	37	6	
12	88	12	88	..	
1	36	63	..	1	..	99	
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	3 2	17	16	14	14	65	62	0	0	4	3	96	
	2 1	0	0	4	3	77	58	0	0	19	14	75	
..	0.7	
	2 1	18	33	42	78	35	64	5	9	0	0	185	
	2	15	0	15	366	11	263	13	326	46	1 163	2 498	
	2 1	34	149	45	196	21	91	0	0	1	3	438	
	3 2	0	0	39	107	17	46	28	76	16	42	271	
..	..	..	..	..	..	..	..	..	..	..	..	6	
	2	0	0	0	0	35	4	65	7	0	0	11	
	2	2	1	0	0	98	24	0	0	0	0	24	
	3 2	0	0	25	26	6	6	69	72	0	0	104	
	1	2	19	7	66	3	26	27	272	62	614	1 001	
	2	6	142	28	660	15	348	31	732	21	514	2 396	
	3 2	0	0	45	217	33	161	18	85	4	18	480	
..	..	5	360	23	1 733	15	1 153	21	1 579	31	2 371	7 586	

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P. Pillai, *Strengthening Policy Dialogue on Environment: Learning from Five years of Country Environmental Analysis* (the World Bank Environment Department, February 2008), p. 1.

A. Swanson and L. Lundethors, "Public Environmental Expenditure Reviews (PEERs): Experience and Emerging Practice" (the World Bank, May 2003).

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A. Swanson and L. Lundethors, "Public Environmental Expenditure Reviews (PEERs): Experience and إلى المصدر: الإسكوا، استناداً إلى Emerging Practice" (البنك الدولي، أيار/مايو 2003).

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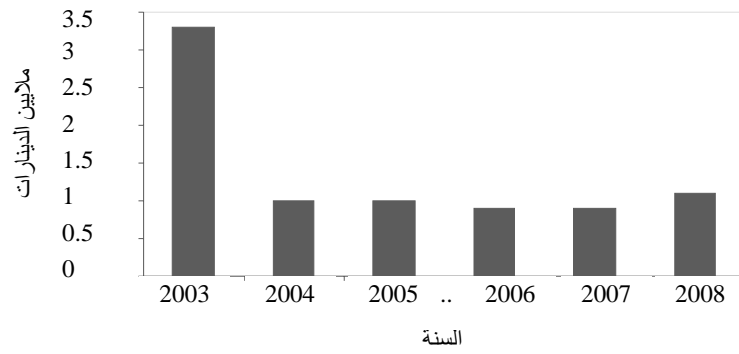
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⁽¹⁵³⁾ P. Pillai, *Strengthening Policy Dialogue on Environment: Learning from Five years of Country Environmental Analysis*. (إدارة البيئة بالبنك الدولي، شباط/فبراير 2008).

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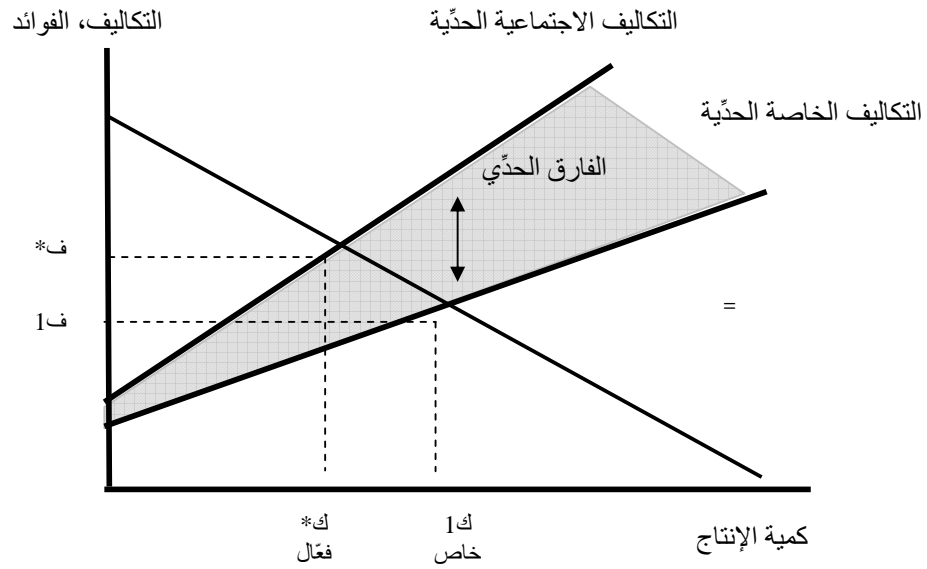
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رابعاً- كلفة التدهور البيئي

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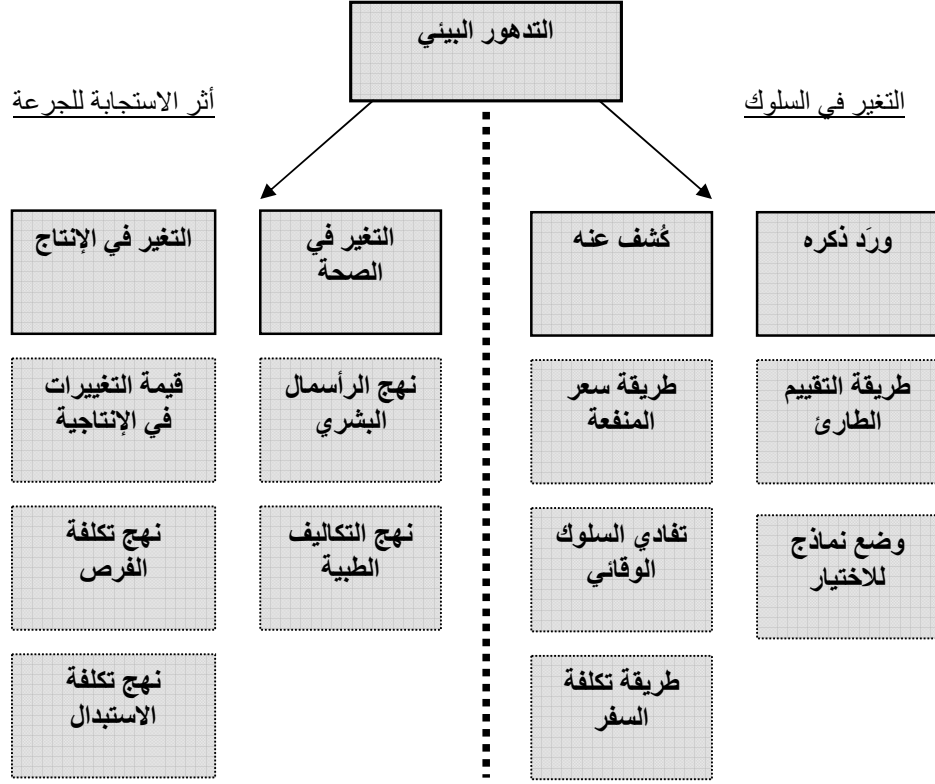
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الشكل 10- تقنيات الاقتصادات البيئية: منهجية التقييم



المصدر: البنك الدولي، "تقدير كلفة التدهور البيئي: دليل معد للتدريب، باللغات الإنكليزية والفرنسية والعربية" (أيلول/سبتمبر 2005).

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(158) يرد في المرفق الخامس شرح موجز لهذه التقنيات. ويوجد مزيد من المعلومات في الوثيقة: البنك الدولي، "تقدير كلفة التدهور البيئي: دليل معد للتدريب، باللغات الإنكليزية والفرنسية والعربية" (أيلول/سبتمبر 2005).

خامساً- جدول الأعمال الإقليمي والتوصيات

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(160) من بين بعض التقارير التي صدرت لمرّة واحدة تقرير المنظمة المركزيّة للإحصاءات وتكنولوجيا المعلومات في العراق المعنون المسح البيئي للعراق لسنة 2005 (حزيران/يونيو 2006)؛ وتقرير الإدارة المركزيّة للإحصاءات في لبنان المعنون موجز وطني للإحصاءات البيئية في لبنان (بالفرنسية)، 2006.
(161) بما يتفق مع الاتفاقية المتعلقة بالحصول على المعلومات والمشاركة العامة في صنع القرارات والوصول إلى العدالة في المسائل البيئية.

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(162) في هذا السياق تشمل الموضوعات الرئيسية، ضمن ما تشمله، نوعية مياه الشرب، ونوعية مياه الصرف الصحي المعالجة، والفضلات السامة في الأغذية، ونوعية الهواء.

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2005		2003
64		61
54		48
1 047		1 017
103		98
15		14
66		62
8		8
615		577
74		67
151		142
344		337
74		71
11		11
40		37
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.ESCWA, *Compendium of Environment Statistics in the ESCWA Region (E/ESCWA/SCU/2007/2)* : _____

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2004 1990

()		()	
2004	1990	2004	1990
2.9	3.1	16.5	10.2
34.1	27.2	149.1	54.7
23.9	24.2	16.9	11.7
3.8	3.0	68.4	35.9
0.3	0.2	10.4	5.4
-	-	-	-
13.6	6.3	30.9	10.3
0.2	-	0.6	-
79.3	24.9	52.9	12.2
37.1	20.3	99.3	43.4
4.2	3.3	16.3	9.1
2.3	1.5	158.1	75.4
13.6	15.9	308.2	254.8
1.0	0.9	21.1	10.1

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2005	2004	2003	2002	2001	2000	
21 699	29 188	26 299	29 267	30 484	30 988)
30>	30>	30>	30>	30>	30>	(
50>	50>	50>	50>	50>	50>	(/)
0.1	0.1	0.1	0.1	0.1	0.1	(/)
1 260	1 260	1 296	1 290	1 300	1 260	(/)
1 960	1 960	1 966	1 980	1 970	1 960	(/)
0.2>	0.2>	0.2>	0.2>	0.2>	0.2>	(/)
20>	20>	20>	20>	20>	20>	(/)
4	5	9	6	-	-	1 000

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2006	2006	
85	98	
97	100	(*)
73	100	(*)
92	89	
35	70	
76	77	
89	79	(*)
80	89	
100	100	
100	100	(*)
98	100	
66	98	
89	95	(*)
46	66	

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5	81	15	117	12	71	
2	36	12	34	7	25	
7	81	14	145	10	63	
2	99	18	140	12	81	
4	64	14	109	13	56	
2	21	12	35	5	21	
7	44	10	116	9	57	
11	108	18	123	14	98	
2	99	18	125	12	77	
2	101	14	93	9	66	
44	734	145	1 037	103	615	(*)

0	2 100	0	1	12	73	
		0	2	8	41	
0	3 000	0	5	22	73	
		2	11	5	170	
6	1 204	0	3	21	328	
0	234	0	0	9	44	
0	3 000	0	3	10	77	
2	2 076	0	11	17	284	
3	2 028	0	6	13	167	
159	1 650	1	7	13	130	
170	15 292	3	49	130	1 387	(*)

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SEEAW STANDARD TABLE III. GROSS AND NET EMISSIONS

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Physical units												
Pollutant	Total	Rest of the world	Households	Industries (by ISIC categories)								
				Total	39 38 99-45	37	36	35	33-5 33-41	1-3		
Gross emissions (= a + b) 1.											(.1+ .1=)	.1
Direct emissions to water (= 1.a. 1.a.1 + 1.a.2 = 1.a.i + 1.a.ii)											(. .1+ . .1=2. .1+ . .1=)	.1
Without treatment 1.a.1.												.1 .1
After on-site treatment 1.a.2.												.2 .1
To water resources 1.a.i.												. . .1
To the sea 1.a.ii.												. . .1
To Sewerage (ISIC 37) 1.b.											(37)	. .1
Reallocation of emission by ISIC 37 2.											37	.2
Net emissions (= 1.a + 2) 3.											(2+ .1=)	.3

SEEAW STANDARD TABLE IV. EMISSIONS TO WATER BY ISIC 37

-4 SEEAW
37

Physical units		
Pollutant	37	ISIC
Emissions to water (=4.a+4.b) 4.		
After treatment 4.a.		
To water resources		
To the sea		
Without treatment 4.b.		
To water resources		
To the sea		

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G.M. Lange and J.L. Weber, "Ecosystem accounting at the European Environment Agency: a summary of progress" (European Environment Agency, 2006).^(*) المرفق الثالث مقتبس من:

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C.Ardi and F. Falcitelli, "The Classification of Resource Use and Management Activities and Expenditure – CRUMA" (Istituto Nazionale di Statistica, August 2007), table 2.

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تتناقش هذه التقنيات بمزيد من التفصيل في المرجع: البنك الدولي، "تقدير كلفة التدهور البيئي: دليل تدريبي صدر باللغات الإنكليزية والفرنسية والعربية" (أيلول/سبتمبر 2005).

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.(Turner et al., 1994)

(⁴) Turner, R.K, D. Pearce and I. Bateman, *Environmental Economics: An Elementary Introduction* (Harvester Wheatsheaf, 1994).

(⁵) Kahn, J.R., *The economic approach to environmental and natural resources*, Second edition (Dryden Press, Orlando, 1997).

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(Bateman et al., 2002)
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^(٤) البنك الدولي، "تقدير كلفة التدهور البيئي: دليل تدريبي صدر باللغات الإنكليزية والفرنسية والعربية" (أيلول/سبتمبر 2005).

"2004 / 8-6 " (E/ESCWA/SCU/2004/IG.1/6)

" (E/ESCWA/SCU/2007/WG.2/3)

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تستعرض هذه الدراسة نظام المحاسبة البيئية والاقتصادية المتكاملة الذي وضعت شعبة الإحصاءات في الأمم المتحدة بغية دمج المعلومات الاقتصادية والبيئية ضمن إطار مشترك واحد بحيث يمكن قياس مساهمة البيئة في الاقتصاد وتأثير الاقتصاد على البيئة من أجل تحقيق التنمية المستدامة. وفي مواجهة واقع إقليمي يتسم بندرة الموارد المائية، وتدهور نوعية الهواء والمياه، واستنفاد موارد الطاقة والموارد المعدنية، وتدهور الأراضي والتربة، ونقص التنوع البيولوجي، تعرض الدراسة نهجاً مقترحاً لتكييف نظام المحاسبة البيئية والاقتصادية المتكاملة مع الاحتياجات الخاصة بالبلدان الأعضاء في الإسكوا. كما تبرز حسابات خاصة بموارد معينة، منها المياه، والطاقة، والتربة والأراضي، والنظام الإيكولوجي.

وتلقي الدراسة الضوء على أمثلة محددة لحسابات تجريبية في بعض البلدان الأعضاء، وتقدم ما يتعلق بالمنطقة من نتائج التقييم العالمي لإحصاءات وموازن الطاقة الذي أجرته شعبة الإحصاءات في الأمم المتحدة. كما تتناول الإنفاق على حماية البيئة وتكلفة التدهور البيئي. وتختتم الدراسة بخطة عمل مقترحة لتطوير نظام متكامل للمحاسبة البيئية والاقتصادية في منطقة الإسكوا.



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