

LIST OF INDICATORS FOR SUSTAINABLE DEVELOPMENT (ISD) SORTED BY THEME

ISD are presented according to the thematic framework presented above. They are identified with a number from 1 to 130. This number is different from the one used in the preliminary MCSD works because many of the indicators were changed or cancelled in the process of selection.

Therefore, the column header " MCSD " in the list below reminds the old indicator number used in all the reports referring to the previous MCSD works on indicators (1998-1999).

The column " BLUE PLAN " refers to the 50 ISD already computed at Mediterranean level and presented by the Blue Plan and for which data is available in international sources.

The column " MEDSTAT " indicates the indicators being at least partially calculated in the MEDSTAT Environment project. It will be useful to co-ordinate with the work in progress in the countries involved with this project¹.

The column " SUB NATIONAL " indicates if the indicator should be calculated at a sub-national geographical level, i.e., on the coastal regions, coastal strip or for the specific Mediterranean spots.

P = Pressure, E = State, R = Response.

CHAPTER AND THEME	N°	T	Indicator name	MCSD	BLUE PLAN	MED STAT	SUB NATIONAL
POPULATION AND SOCIETY							
<i>Demography and population</i>	1	P	Population growth rate	7	yes		yes
	2	R	Total fertility rate	9	yes		
<i>Standard of life, employment, social inequities, poverty, unemployment</i>	3	S	Women per hundred men in the labour force	20	yes		
	4	S	Human poverty index (HPI)	228			
	5	R	Employment rate	322	yes		yes
<i>Culture, education, training, awareness improvement</i>	6	P	School enrolment gross ratio	229	yes		
	7	S	Difference between male and female school enrolment ratios	19	yes		
	8	S	Production of cultural goods	323	yes		
	9	R	Share of private and public finances allocated to the professional training	324			
	10	R	Public expenditure for the conservation and value enhancement of natural, cultural and historical patrimony	325			
<i>Health, public health</i>	11	S	Life expectancy at birth	24	yes		
	12	S	Infant mortality rate	26	yes		
	13	R	Access to safe drinking water	23	yes		
<i>Consumption and production patterns</i>	14	P	Annual energy consumption per inhabitant	47	yes		
	15	P	Number of passenger cars per 100 inhabitants	213	yes		yes
	16	S	Main telephone lines per 100 inhabitants	129	yes		
	17	S	Distribution of food consumption per income decile	326			
LANDS AND AREAS							
<i>Habitat and urban systems</i>	18	P	Urban population growth rate	34	yes		yes
	19	P	Loss of agricultural land due to urbanisation	206		yes	yes
	20	S	Urbanisation rate	37	yes		yes
	21	S	Floor area per person	39			yes

¹ Malta, Turkey, Syria, Lebanon, Israel, Palestinian Territories, Cyprus, Egypt, Tunisia, Algeria, Morocco.

CHAPTER AND THEME	N°	T	Indicator name	MCSD	BLUE PLAN	MED STAT	SUB NATIONAL
<i>Rural and dry areas, mountains and hinterland</i>	22	P	Population change in mountain areas	84			
	23	R	Existence of program(s) concerning the less favoured rural zones	208			
<i>Forests</i>	24	P	Exploitation index of forest resources	94			yes
	25	S	Forest area	95	yes	yes	yes
	26	R	Forest protection rate	97	yes		yes
<i>Littoral and "littoralisation"</i>	27	P	Artificialized coastline / total coastline	137			yes
	28	P	Number of tourists per km of coastline	205			yes
	29	P	Number of moorings in yachting harbours	327			yes
	30	S	Population growth in Mediterranean coastal regions	72	yes		yes
	31	S	Population density in coastal regions	209	yes		yes
	32	S	Coastline erosion	230			
	33	R	Protected coastal area	212	yes		yes
<i>Sea</i>	34	P	Oil tanker traffic	346			
	35	S	Global quality of coastal waters	347		yes	yes
	36	S	Density of the solid waste disposed in the sea	348			
	37	S	Coastal waters quality in some main "hot spots"	349			
	38	S	Quality of biophysical environment	350			
	39	R	Protection of specific ecosystems	351			
	40	R	Existence of monitoring programs concerning pollutant inputs	352			
	41	R	Wastewater treatment rate before sea release for coastal agglomerations over 100 000 inhabitants	353		yes	yes
	42	R	Harbour equipment ratio in unballasting facilities	354			
ECONOMIC ACTIVITIES AND SUSTAINABILITY							
<i>Global economy</i>	43	P	Distribution of GDP (Agriculture, Industry, Services)	246	yes		
	44	P	Foreign Direct Investment	328	yes		
	45	S	External debt / GDP	57	yes		
	46	S	Saving / investment	231			
	47	S	Public deficit / GDP	329	yes		
	48	S	Current account balance / GDP	330	yes		
	49	S	Employment distribution (Agriculture, Industry, Services)	331	yes		
<i>Agriculture</i>	50	P	Use of agricultural pesticides	87			yes
	51	P	Use of fertilisers per hectare of agricultural land	88	yes		yes
	52	P	Share of irrigated agricultural land	89	yes	yes	yes
	53	P	Agriculture water demand per irrigated area	138			yes
	54	S	"Arable area" per capita	91	yes		yes
	55	S	Rate of food dependence	232			
	56	S	Annual average of wheat yield	332	yes		
	57	R	Water use efficiency for irrigation	275		yes	
<i>Fisheries, aquaculture</i>	58	P	Value of halieutic catches at constant prices	333			
	59	P	Number and average power of fishing boats	368	yes		
	60	S	Fishing production per broad species groups	217	yes		
	61	S	Production of aquaculture	218	yes		yes
	62	R	Public expenditures on fish stocks monitoring	334			
<i>Mines, industry</i>	63	P	Industrial Releases into water	172		yes	yes
	64	S	Intensity of material use	52			

CHAPTER AND THEME	N°	T	Indicator name	MCSD	BLUE PLAN	MED STAT	SUB NATIONAL
	65	R	Number of mines and carries rehabilitated after exploitation	233			
Services and commerce	66	S	Turnover distribution of commerce according to the number of employees	335			
	67	S	Share of merchant services to the enterprises	336			
	68	R	Existence of restrictive legislations on the setting up of hypermarket	371			
Energy	69	P	Energy intensity	234	yes		
	70	P	Energy balance	235	yes		
	71	R	Share of consumption of renewable energy resources	54	yes		
Transports	72	P	Average annual distance covered per passenger car	223	yes		
	73	S	Structure of transport by mode	236	yes		yes
	74	S	Density of the road network	237	yes		yes
	75	R	Share of collective transport	224			yes
Tourism	76	P	Number of nights per 100 inhabitants	337	yes		yes
	77	P	Number of secondary homes over total number of residences	338			yes
	78	P	Number of bed-places per 100 inhabitants	339	yes		yes
	79	P	Public expenditure on tourism development	340			yes
	80	P	Number of international tourists per 100 inhabitants	370	yes		yes
	81	S	Share of tourism receipts in the exportations	341	yes		
	82	S	Currency balance due to tourism activities	342			
	83	R	Public expenditure on tourism sites conservation	343			
ENVIRONMENT							
Freshwater et waste water	84	P	Exploitation index of renewable resources	65	yes	yes	
	85	P	Non-sustainable water production index	344	yes	yes	
	86	S	Share of distributed water not conform to quality standards	149			yes
	87	S	Water global quality index	282		yes	yes
	88	R	Share of collected and treated wastewater by the public sewerage system	70		yes	yes
	89	R	Existence of economic tools to recover the water cost in various sectors	154			
	90	R	Drinking water use efficiency	279		yes	
	91	R	Share of Industrial wastewater treated on site	345		yes	yes
Soils, vegetation and desertification	92	P	Ratio of land exploitation	242		yes	
	93	S	Land use change	77		yes	yes
	94	S	"Arable area" change	186	yes	yes	yes
Biological diversity, ecosystems	95	P	Wetland area	355		yes	yes
	96	P	Number of turtles caught per year	356			
	97	P	Share of fishing fleet using barge	357			
	98	S	Threatened species	98			
	99	R	Total expenditure on protected areas management	358		yes	
Solid, industrial and hazardous waste	100	P	Generation of municipal solid waste	108		yes	yes
	101	P	Generation of hazardous wastes	115		yes	
	102	P	Imports and exports of hazardous wastes	116		yes	
	103	P	Generation of industrial solid waste	247		yes	yes

CHAPTER AND THEME	N°	T	Indicator name	MCSD	BLUE PLAN	MED STAT	SUB NATIONAL
	104	S	Area of land contaminated by hazardous wastes	117			yes
	105	S	Distribution of municipal wastes	244		yes	yes
	106	R	Minimisation of waste production	245			
	107	R	Cost recovery index of municipal wastes	281		yes	
	108	R	Destination of household wastes	359		yes	
	109	R	Collection rate of household wastes	360		yes	yes
<i>Air quality</i>	110	P	Emissions of greenhouse gasses	102	yes	yes	
	111	P	Emissions of sulphur oxides	103		yes	
	112	P	Emissions of nitrogen oxides	104		yes	
	113	P	Consumption of ozone depleting substances	105	yes	yes	
	114	S	Frequency of excess over air standard (ozone)	268		yes	yes
	115	R	Expenditure on air pollution abatement	107		yes	
	116	R	Share of clean fuels consumption in total motor fuels consumption	270			
<i>Natural and technological risks</i>	117	R	Share of agglomerations over 100 000 inhabitants equipped with a air pollution monitoring network	361		yes	
	118	P	Number of sites with high risk	362			
	119	S	Economic impact of natural disasters	363			yes
	120	S	Burnt area per year	364	yes		yes
	121	R	Existence of intervention plans	365			
THE SUSTAINABLE DEVELOPMENT: ACTORS AND POLICIES							
<i>Actors of the sustainable development</i>	122	R	Number of direct employments linked to the environment	221			
	123	R	Number of associations involved in environment and/or sustainable development	369			yes
	124	R	Number of enterprises engaged in "environment management" processes	372			
<i>Policies and strategies of the sustainable development</i>	125	R	Public expenditure on environmental protection as a percent of GDP	59		yes	
	126	R	Existence of environment national plans and/or sustainable development strategies	120			
	127	R	Number of Agendas 21 adopted by local authorities	366			yes
EXCHANGES AND COOPERATION IN THE MEDITERRANEAN							
<i>International trade, Free trade zone and environment</i>	128	P	Openness rate of GDP	44			
<i>Others Mediterranean exchanges</i>	129	P	Net migration rate	8	yes		yes
<i>Mediterranean cooperation in the fields of environment and sustainable development</i>	130	R	Public development assistance coming from abroad	367			