

EXERCISE N. 4

Following the steps below, try to build your own core set of indicators for the topic area **[title topic area]**

STEP 1 – ENVIRONMENTAL WORRIES

Identify the three most important topic area worries (begin with the most relevant)...

[Title topic area] worries
1)
2)
3)

...and argue your choices

STEP 2 – INDICATORS SELECTION

Select the indicators from the core sets lists, on the base of their attitude to front the identified worries. Provide the requested information as well. Try to identify an indicator for each box of the DPSIR framework.

Worry*	Indicator	DPSIR**	Data Availability***	Notes ¹
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¹ The note column is dedicated to observations related to data availability. According to your knowledge and expertise provide details about the availability of the required data in Egypt.

* Use the numbers used in Step 1. ** Express the indicator belonging to one (or two at most) elements of the DPSIR framework. Use initial letters.
 *** If you are aware of the data availability, specify the source.

STEP 3 – MEANINGFUL INDICATORS

Among the chosen indicators, point out the one which, in your opinion, has the strongest communicative impact. In other words, the one you suggest to represent the topic area in a hypothetical headline core set...

Topic area	Headline indicator	Message

...and argue your choice

OECD CORE SET OF INDICATORS

ISSUE	INDICATOR
Climate change	<i>CO₂ emission intensities</i>
	<i>Greenhouse gas emissions</i>
	<i>Greenhouse gas concentration</i>
Ozone layer depletion	<i>Ozone depleting substances</i>
	<i>Stratospheric ozone</i>
Air quality	<i>Air emission intensities</i>
	<i>Urban air quality</i>
Waste	<i>Waste generation</i>
	<i>Waste recycling</i>
Water quality	<i>River quality</i>
	<i>Waste water treatment</i>
Water resources	<i>Intensity of use of water resources</i>
	<i>Public water supply and price</i>
Forest resources	<i>Intensity of use of forest resources</i>
	<i>Forest and wooded land</i>
Fish resources	<i>Fish catches and consumption – national</i>
	<i>Fish catches and consumption – global and regional</i>
Biodiversity	<i>Threatened species</i>
	<i>Protected areas</i>

EEA CORE SET

Theme	CSI	Indicator title	Specification version
Air pollution and ozone depletion	1	Emissions of acidifying substances	2004
	2	Emissions of ozone precursors	2004
	3	Emissions of primary particulates and secondary particulate precursors	2004
	4	Exceedance of air quality limit values in urban areas	2004
	5	Exposure of ecosystems to acidification, eutrophication and ozone	2004
	6	Consumption of ozone-depleting substances	2004
Biodiversity	7	Threatened and protected species	2004
	8	Designated areas	2004
	9	Species diversity	2004
Climate change	10	Greenhouse gas emissions and removals	2004
	11	Projections of greenhouse gas emissions and removals and policies and measures	2004
	12	Global and European temperature	2004
	13	Atmospheric greenhouse gas concentrations	2004
Terrestrial	14	Land take	2004
	15	Progress in management of contaminated sites	2004
Waste	16	Municipal waste generation	2004
	17	Generation and recycling of packaging waste	2004
Water	18	Use of freshwater resources	2004
	19	Oxygen-consuming substances in rivers	2004
	20	Nutrients in freshwater	2004
	21	Nutrients in transitional, coastal and marine waters	2004
	22	Bathing water quality	2004
	23	Chlorophyll in transitional, coastal and marine waters	2004
	24	Urban wastewater treatment	2004
	25	Gross nutrient balance	2004
Agriculture	26	Area under organic farming	2004
	27	Final energy consumption	2004
Energy	28	Total energy intensity	2004
	29	Total energy consumption	2004
	30	Renewable energy consumption	2004
	31	Renewable electricity	2004
	32	Status of marine fish stocks	2004
Fisheries	33	Aquaculture production	2004
	34	Fishing fleet capacity	2004
Transport	35	Passenger transport demand	2004
	36	Freight transport demand	2004
	37	Use of cleaner and alternative fuels	2004

UNCSD CORE SET

Theme	Sub-theme	Indicator
Atmosphere	Climate Change	Emissions of Greenhouse Gases
	Ozone Layer Depletion	Consumption of Ozone Depleting Substances
	Air Quality	Ambient Concentration of Air Pollutants in Urban Areas
Land	Agriculture	Arable and Permanent Crop Land Area
		Use of Fertilizers
		Use of Agricultural Pesticides
	Forests	Forest Area as a Percent of Land Area
		Wood Harvesting Intensity
	Desertification	Land Affected by Desertification
Urbanization	Area of Urban Formal and Informal Settlements	
Oceans, Seas and Coasts	Coastal Zone	Algae Concentration in Coastal Waters
		Percent of Total Population Living in Coastal Areas
	Fisheries	Annual Catch by Major Species
Fresh Water	Water Quantity	Annual Withdrawal of Ground and Surface Water as a Percent of Total Available Water
	Water Quality	BOD in Water Bodies
		Concentration of Faecal Coliform in Freshwater
Biodiversity	Ecosystem	Area of Selected Key Ecosystems
		Protected Area as a % of Total Area
	Species	Abundance of Selected Key Species

MCS D PRIORITY INDICATORS CORE SET

IMPROVING INTEGRATED WATER RESOURCE AND DEMAND MANAGEMENT
1 Water Efficiency Index (total and by sector) WAT_P01
2 Water demand and compared to GDP (total and by sector) WAT_P02
3 Exploitation Index of renewable resources WAT_P03
4 Share of population with access to an improved water sources (total, urban, rural) WAT_P04
5 Share of population with access to an improved sanitation system (total, urban, rural) WAT_P05
MANAGING ENERGY DEMAND AND MITIGATING THE EFFECTS OF CLIMATE CHANGE
6 Energy intensity (total and by sector) ENE_P01
7 Share of renewable energies in energy balance ENE_P02
8 Greenhouse gas emissions ENE_P03
9 Amount financed in the framework of the Kyoto Protocol flexibility mechanisms by the annex 1 countries to the benefit of other Mediterranean countries ENE_P04
ENSURING SUSTAINABLE MOBILITY THROUGH APPROPRIATE TRANSPORT MANAGEMENT
10 Motor transport intensity compared to GDP TRA_P01
11 The proportion of road transport in terms of land freight transport TRA_P02
12 Share of public surface transport (urban and inter-urban) TRA_P03
PROMOTE SUSTAINABLE TOURISM
13 Share of “non-seaside resort beds” vs total number of beds TOU_P01
14 International tourism receipts TOU_P02
PROMOTING SUSTAINABLE AGRICULTURAL AND RURAL DEVELOPMENT
15 Ratio of agricultural population vs rural population AGR_P01
16 Loss of arable land AGR_P02
17 Share of public budget allocated to sustainable rural development programmes AGR_P03
18 Proportion of agriculture quality products and Share of the agricultural land area used by organic farming AGR_P04
PROMOTING SUSTAINABLE URBAN DEVELOPMENT
19 Number of cities with over 10 000 inhabitants engaged in a process Agenda 21 type or in urban renewal programmes URB_P01
20 Proportion of urban population with access to a decent dwelling URB_P02
21 Household waste produced per capita and number of uncontrolled landfills URB_P03 Improve the urban environment:
22 Air quality in the main Mediterranean urban areas URB_P04
PROMOTING SUSTAINABLE MANAGEMENT OF THE SEA AND THE COSTAL AREAS AND TAKE URGENT ACTION TO PUT AN END TO THE DEGRADATION OF COASTAL ZONES
23 Share of artificialised coastline COA_P01
24 Operational pollution from ships COA_P02
25 Proportion of coastal urban population connected to a sanitation network COA_P03
26 Surface of protected coastal and marine areas COA_P04
STRENGTHEN SOLIDARITY, COMMITMENT AND FINANCING FOR A SUSTAINABLE DEVELOPMENT AT REGIONAL, NATIONAL AND LOCAL LEVELS
27 ODA allocated as % of OECD DAC countries donors’ GNP; proportion of the ODA allocated to Mediterranean countries and proportion contributing to the strategy objectives COO_P01
28 EU net public financial flows to EU Mediterranean members, candidates, CARDS and MEDA countries (in absolute value and per capita) and proportion contributing to the objectives of the strategy COO_P02
29 Proportion of bank credit allocated to the private sector – Existence of alternative financing systems to bank credit COO_P03
30 Proportion of local government tax receipts as percentage of total tax revenues (government receipts). Proportion of government budget allocated to local authorities COO_P04
31 Public financial mechanisms to support the least favoured regions COO_P05
STRENGTHEN HUMAN CAPITAL AND ACTORS’ INVOLVEMENT: RESEARCH, TRAINING, EDUCATION, AWARENESS-RAISING AND PARTICIPATION
32 Youth literacy rate HUM_P01
33 Girl/Boy primary and secondary school registration ratio HUM_P02
34 Public and private expenses for research and development in percentage of GDP HUM_P03