

Indicators relevant for monitoring the environmental dimension of the SDGs

National Workshop on SEIS and Environmental Statistics for the SDGs
Dushanbe, 16-18 October 2017

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Sustainable Development Goals



17 Sustainable Development Goals (SDGs)

169 targets

244 indicators developed by the Inter-Agency Expert Group on SDG Indicators (IAEG-SDGs)

<https://unstats.un.org/sdgs/indicators/indicators-list/>

Environment indicators

- There are more than 80 SDG indicators related to the environment. UN Environment is the custodian for 26 indicators.
- Geospatial indicators and disaggregated information is particularly important for environmental assessment.
- For improved environmental outcomes there is a need to present policy makers with a holistic look at the environment as opposed to indicators in silos.

UN Environment's role in the IAEG-SDGs

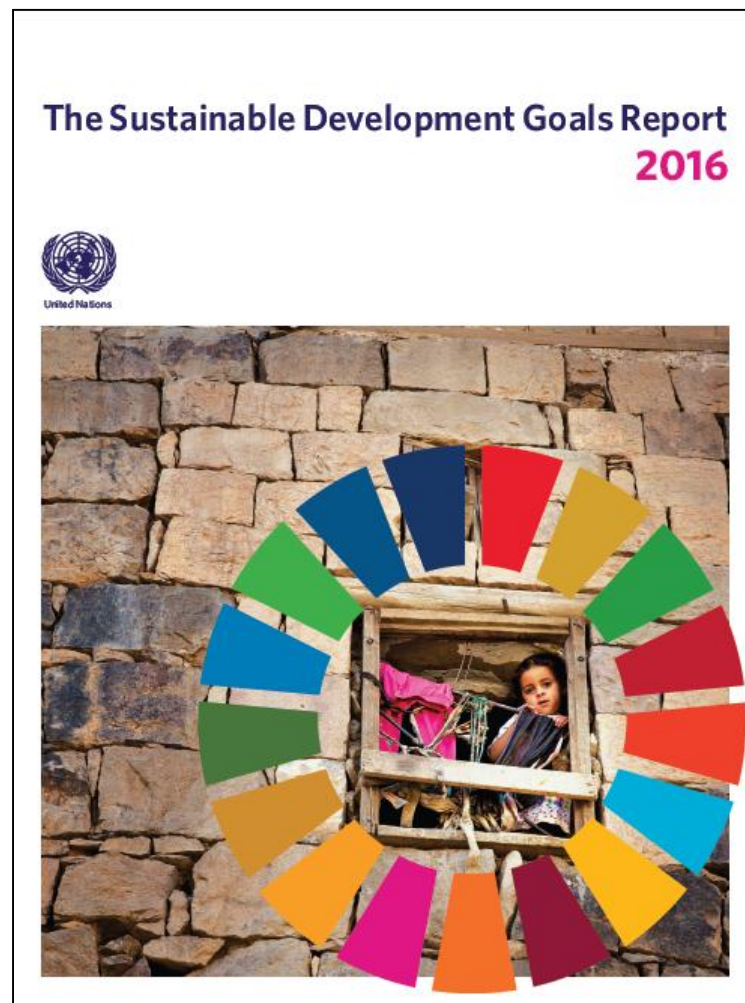
Support the work of the IAEG-SDGs) in developing environment-related indicators, in improving environmental monitoring, and in developing and implementing statistical standards:

- development of metadata of SDG indicators for which UNEP is the lead (26 indicators), co-lead, or supporting (additional 50 indicators)
- methodology development, disaggregation and aggregation of data
- yearly reporting on progress on SDG indicators for the UN Secretary General's SDG progress report

Inputs to the UN SG's report on SDGs

- a) submitting data to the UN Statistics Division (UNSD) on the SDG indicators that are UN Environment's responsibility;
- b) acting as the primary or co-author for the content in the SDG chapters 6, 12, 13, 14 and 15;
- c) contributing to the cross-cutting analysis and peer reviewing the document as a whole.

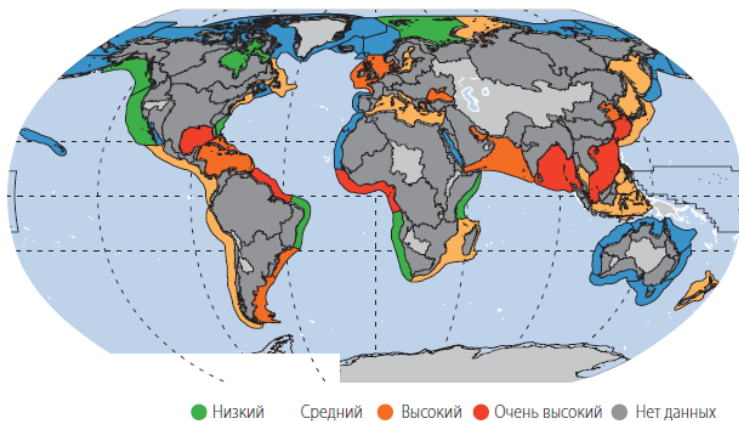
<https://unstats.un.org/sdgs/report/2016/>



SDGs Report 2017

- UN Environment reported on 8 SDG indicators
- Also provided proxy type information for 4 additional indicators

Сводная картина распределения рисков биогенного загрязнения крупных морских экосистем в соответствии с прогнозом на период до 2050 года



Примечание: Карта мира приводится исключительно в целях иллюстрации и не означает выражения какого бы то ни было мнения относительно правового статуса любой страны или территории либо относительно делимитации ее границ или рубежей.

Доклад о Целях в области устойчивого развития, 2017 год



Организация Объединенных Наций



<https://unstats.un.org/sdgs/report/2017/>

UN Environment Indicators



Water quality, water resource management, freshwater ecosystems and water and sanitation

6.3.2, 6.5.1, 6.6.1, 6.a.1, 6.b.1



Sustainable consumption and production indicators, material flow accounts, chemicals and wastes, environmental policy, food waste and fossil fuels.

8.4.1, 8.4.2, 12.1.1, 12.2.1, 12.2.2, 12.3.1, 12.4.1, 12.4.2, 12.5.1, 12.6.1, 12.7.1, 12.a.1, 12.c.1



Ocean related indicators on marine litter, acidification, marine management and coverage of protected areas

14.1.1, 14.2.1, 14.5.1



Protected areas, including mountains, and national targets for the Convention on Biological Diversity

15.1.2, 15.4.1, 15.9.1



Environmentally sound technology and sustainable development policy

17.7.1, 17.14.1

UN Environment Indicators



6.3.2, 6.5.1, 6.6.1, 6.a.1, 6.b.1

6.3.2 Proportion of bodies of water with good ambient water quality

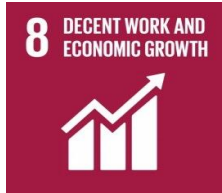
6.5.1 Degree of integrated water resources management implementation (0-100)

6.6.1 Change in the extent of water-related ecosystems over time

6.a.1 Amount of water- and sanitation related official development assistance that is part of a government-coordinated spending plan

6.b.1 Proportion of local administrative units with established and operational policies and procedures for participation of local communities in water and sanitation management

UN Environment Indicators



8.4.1, 8.4.2

8.4.1 Material footprint, material footprint per capita, and material footprint per GDP

8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP

UN Environment Indicators



12.1.1, 12.2.1, 12.2.2, 12.3.1, 12.4.1,
12.4.2, 12.5.1, 12.6.1, 12.7.1, 12.a.1, 12.c.1

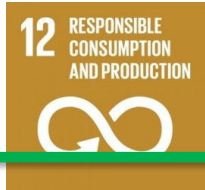
12.1.1 Number of countries with sustainable consumption and production (SCP) national action plans or SCP mainstreamed as a priority or a target into national policies

12.2.1 Material footprint, material footprint per capita, and material footprint per GDP

12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP

12.3.1 Global food loss index

UN Environment Indicators



12.1.1, 12.2.1, 12.2.2, 12.3.1, 12.4.1,
12.4.2, 12.5.1, 12.6.1, 12.7.1, 12.a.1, 12.c.1

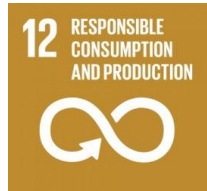
12.4.1 Number of parties to international multilateral environmental agreements on hazardous waste, and other chemicals that meet their commitments and obligations in transmitting information as required by each relevant agreement

12.4.2 Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment

12.5.1 National recycling rate, tons of material recycled

12.6.1 Number of companies publishing sustainability reports

UN Environment Indicators



12.1.1, 12.2.1, 12.2.2, 12.3.1, 12.4.1,
12.4.2, 12.5.1, 12.6.1, 12.7.1, 12.a.1, 12.c.1

12.7.1 Number of countries implementing sustainable public procurement policies and action plans

12.a.1 Amount of support to developing countries on research and development for sustainable consumption and production and environmentally sound technologies

12.c.1 Amount of fossil-fuel subsidies per unit of GDP (production and consumption) and as a proportion of total national expenditure on fossil fuels

UN Environment Indicators



14.1.1, 14.2.1, 14.5.1

14.1.1 Index of coastal eutrophication and floating plastic debris density

14.2.1 Proportion of national exclusive economic zones managed using ecosystem-based approaches

14.5.1 Coverage of protected areas in relation to marine areas

UN Environment Indicators



15.1.2, 15.4.1, 15.9.1

15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type

15.4.1 Coverage by protected areas of important sites for mountain biodiversity

15.9.1 Progress towards national targets established in accordance with Aichi Biodiversity Target 2 of the Strategic Plan for Biodiversity 2011-2020

UN Environment Indicators



17.7.1, 17.14.1

17.7.1 Total amount of approved funding for developing countries to promote the development, transfer, dissemination and diffusion of environmentally sound technologies

17.14.1 Number of countries with mechanisms in place to enhance policy coherence of sustainable development

IAEG-SDGs Tier classification

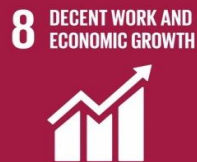
- Tier 1: Indicator conceptually clear, established methodology and standards available and data regularly produced by countries
- Tier 2: Indicator conceptually clear, established methodology and standards available but data are not regularly produced by countries
- Tier 3: Indicator for which there are no established methodology and standards or methodology/standards are being developed/tested.

<https://unstats.un.org/sdgs/iaeg-sdgs/tier-classification/>

UN Environment Indicators



6.3.2, 6.5.1, 6.6.1, 6.a.1, 6.b.1



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14.1.1, 14.2.1, 14.5.1



15.1.2, 15.4.1, 15.9.1



17.7.1, 17.14.1



Tier 1

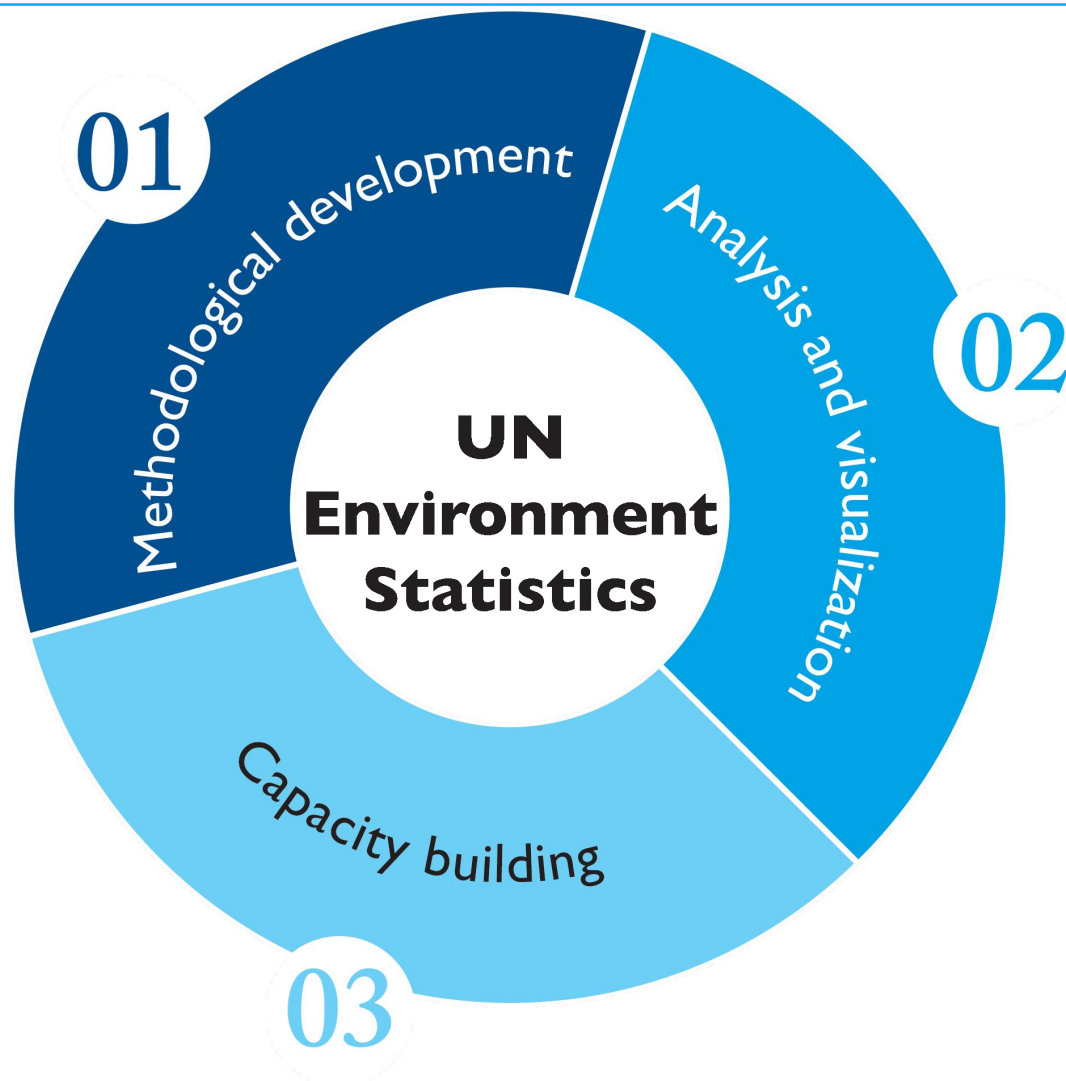


Tier 2




Tier 3

UN Environment Statistics



01 Methodologies and reporting

- 
- Developing methodologies for collecting data and reporting data for Sustainable Development Goal process
 - Promoting synergies between the Sustainable Development Goals, the Multilateral Environment Agreement and international initiatives
 - Research on emerging areas of environment statistics, including climate change, gender, ecosystem accounting, Oceans, chemicals and waste, and sustainable consumption and production

02 Analysis and visualisation

- Refining Environment Live to provide access to Sustainable Development Goals indicators, environmental data and assessment reports
- Promoting data and statistics in national, regional and global reports and assessments
- Developing multipurpose indicators and geospatial datasets which can bring information together for policy makers

Analysis and visualization

02

Search Sustainable Development Goals

Sustainable
Development
Goals

Multilateral
Environmental
Agreements

Synergies

Ontology

Web Intelligence

Sustainable Development Goals

SDG Methodology



SUSTAINABLE
DEVELOPMENT
GOALS



SYNERGIES



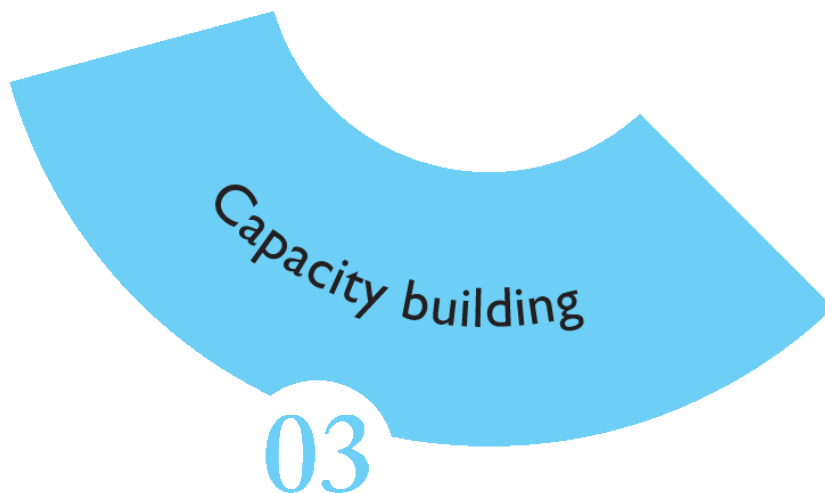
MULTILATERAL
ENVIRONMENTAL
AGREEMENTS



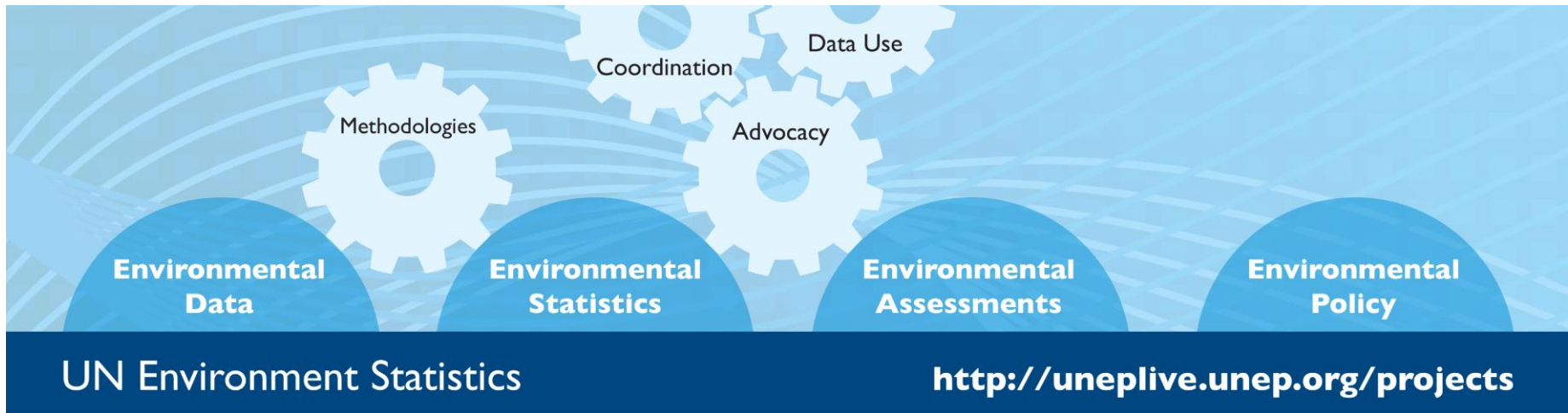
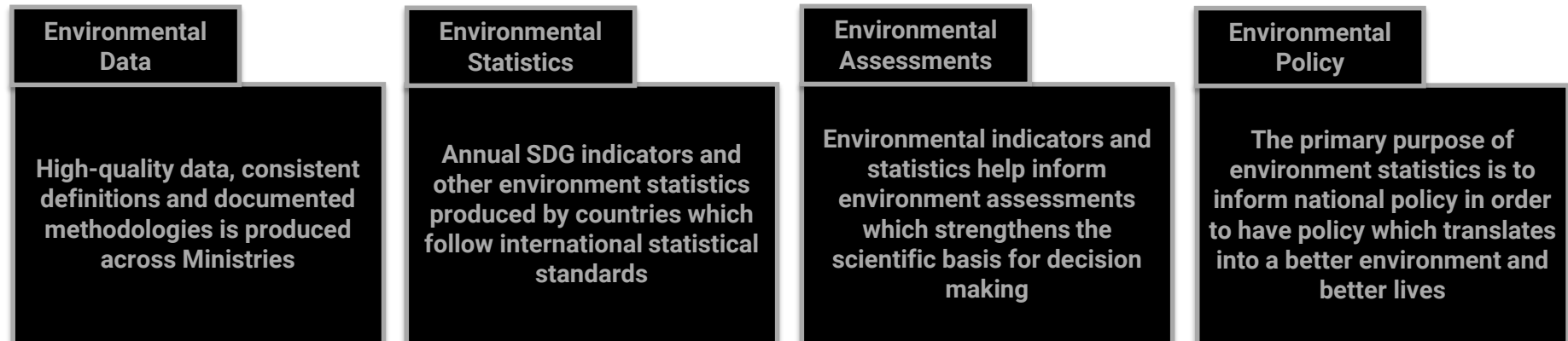
ONTOLOGY

03 Capacity building

- Provide tools and training to countries on measuring, monitoring and reporting on the environment
- Technical assistance for environment statistics and accounting, particularly for the SDG indicators under UN Environment custodianship and natural capital accounting and valuation



Sustainable Development Goal Indicator process – The UN Environment perspective



For more information: uneplive.unep.org/projects

Thank you



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