

SEIS and the environmental dimension of the SDGs

**National Workshop on Material Flow Accounts and Waste Statistics
for SDG indicators - 16-18 July 2018, Astana, Kazakhstan**

Mr. Matthew Billot, UN Environment (UN Environment)

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/>

Custodian of 26 environmental indicators

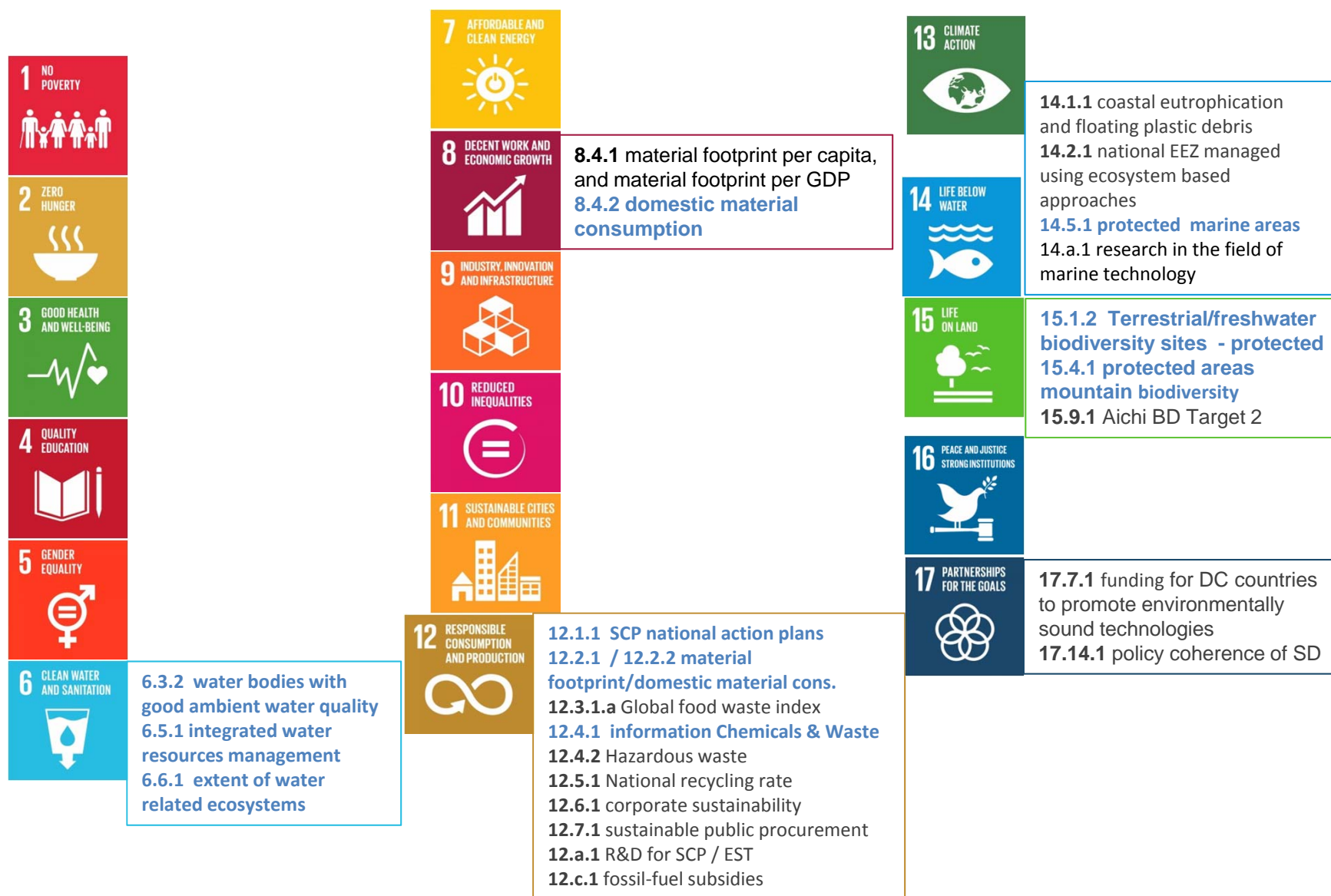
- There are more than 80 SDG indicators related to the environment.
- UN Environment is the custodian agency for 26 environmental indicators.



UN Environment as Custodian Agency



26 Indicators



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
 - 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 (2016)

- 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.

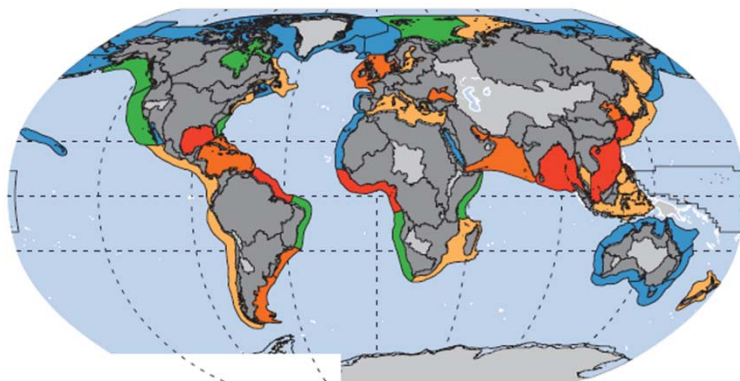
<https://unstats.un.org/sdgs/report/2016/>



UN SG's report on SDGs (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



● Низкий Средний Высокий Очень высокий Нет данных

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



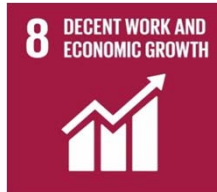
<https://unstats.un.org/sdgs/report/2017/>

UN Environment Indicators



Water quality, water resource management, and freshwater ecosystems

6.3.2, 6.5.1, 6.6.1



Sustainable consumption and production, including 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, national targets for the CBD, ODA and public expenditure on biodiversity conservation

15.1.2, 15.4.1, 15.9.1, 15.a.1, 15.b.1



Environmentally sound technology and sustainable development policy

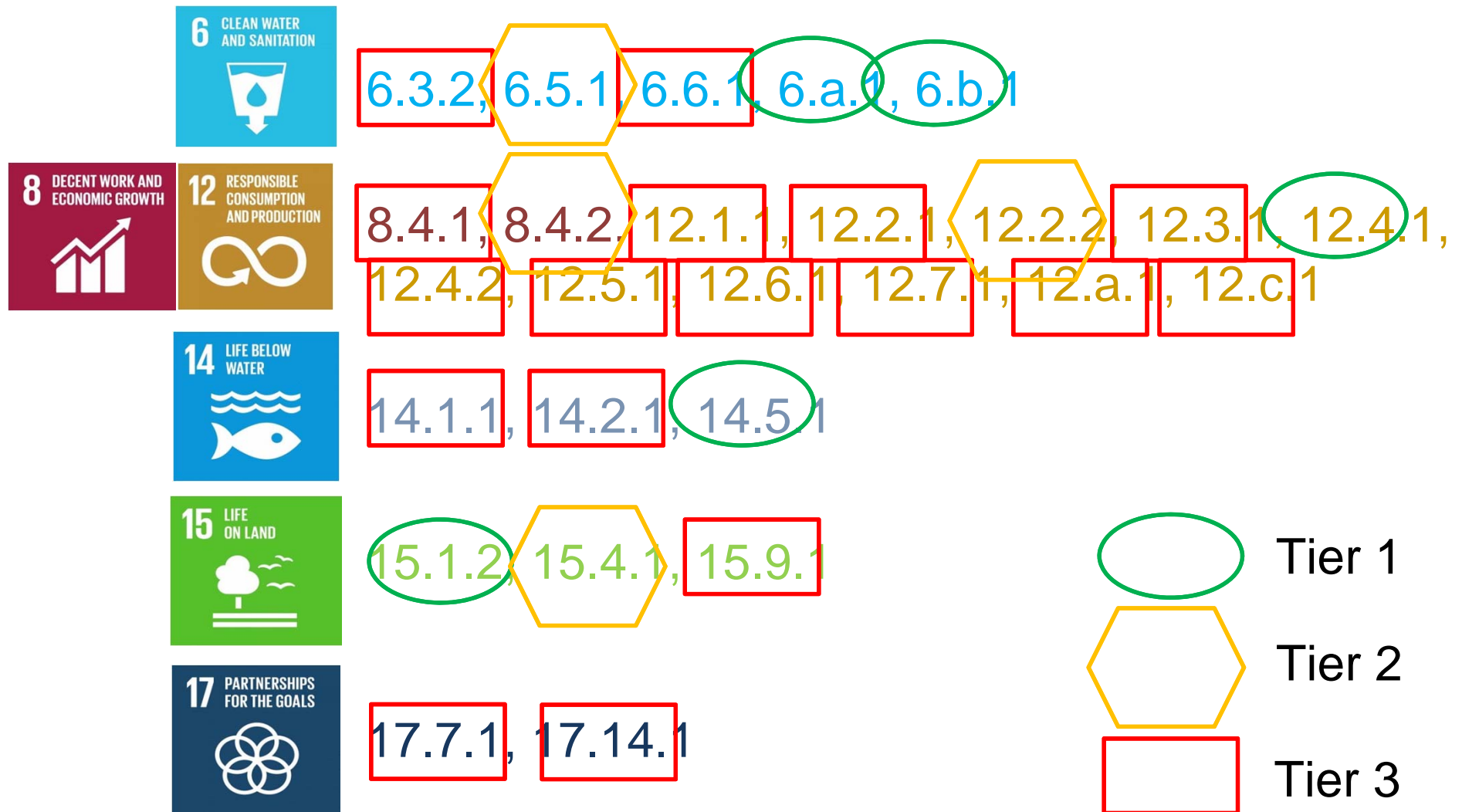
17.7.1, 17.14.1

IAEG-SDGs Tier classification

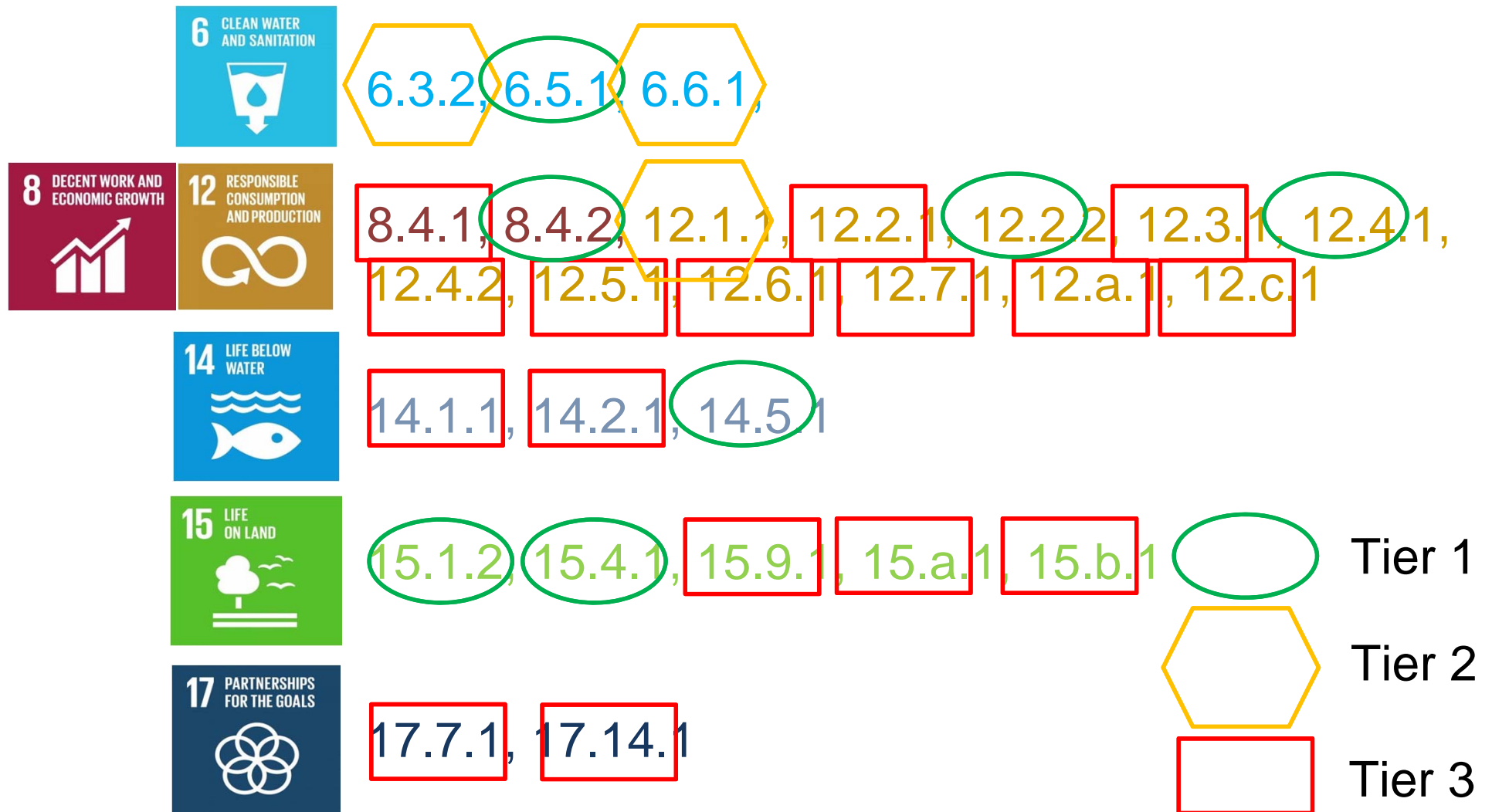
- Tier 1: Indicator conceptually clear, established methodology and standards available and data regularly produced by countries
- Tier 2: Indicator conceptually clear, established methodology and standards available but data are not regularly produced by countries
- Tier 3: Indicator for which there 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 (2017)



UN Environment Indicators (2018)



ELGDB - Data access and data download

- Environment Live World data:
<https://environmentlive.unep.org/regionscountries>
Allows the user to visualize data by choosing, global, regional or country data



ELGDB - Data access and data download

- Environment Live downloader:













<https://environmentlive.unep.org/downloader>

Allows the user to select a list of indicators, filter global, regional or/and list of countries and download.

Data downloader

Note: Click on the headings to expand or collapse the panels.

Popular indicator downloads (non-spatial data)

All	
Poverty	
Food Security	
Health and Well-being	
Education	
Gender	
Water and Sanitation	
Energy	
Employment	
Industry	
Inequalities	
Cities and Communities	
Consumption and Production	
Climate Change	

Countries

☐ All countries (Option only available for downloads - download may take some time when download size is large)

- ☐ Afghanistan
- ☐ Albania
- ☐ Algeria
- ☐ Andorra

UN Environment Regions

☐ All UN Environment regions (Option only available for downloads - download may take some time when download size is large)

- ☐ Africa
- ☐ Asia and the Pacific
- ☐ Europe
- ☐ Latin America and the Caribbean

SDG Regions

☐ All SDG regions (Option only available for downloads - download may take some time when download size is large)

- ☐ Australia and New Zealand (M49)
- ☐ Central Asia (M49)

Help




















<https://environmentlive.unep.org/downloader>

Help

Data downloader

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Poverty	
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Industry	
Inequalities	
Cities and Communities	
Consumption and Production	
Climate Change	
Oceans and Coastal environment	
Land	
Peace	
Partnerships and Financing	

- ☐ Kiribati
- ☐ Kuwait
- ☒ **Kyrgyzstan**
- ☐ Lao People's Democratic Republic
- ☐ Latvia
- ☐ Lebanon
- ☐ Lesotho

UN Environment Regions

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 - ☐ Africa
 - ☐ Asia and the Pacific
 - ☐ Europe
 - ☐ Latin America and the Caribbean

SDG Regions

- ☐ All SDG regions (Option only available for downloads - download may take some time when download size is large)
 - ☐ Australia and New Zealand (M49)
 - ☐ Central Asia (M49)
 - ☐ Central Asia and Southern Asia (M49)
 - ☐ Eastern Asia (M49)

Other Regions

- ☐ All Other regions (Option only available for downloads - download may take some time when download size is large)
 - ☐ European Union



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Albanian	Cebuano	Filipino	Hawaiian	Javanese	Luxembourgish	Norwegian	Sesotho	Tajik	Yiddish
Amharic	Chichewa	Finnish	Hebrew	Kannada	Macedonian	Pashto	Shona	Tamil	Yoruba
Arabic	Chinese (Simplified)	French	Hindi	Kazakh	Malagasy	Persian	Sindhi	Telugu	Zulu
Armenian	Chinese (Traditional)	Frisian	Hmong	Khmer	Malay	Polish	Sinhala	Thai	
Azerbaijani	Corsican	Galician	Hungarian	Korean	Malayalam	Portuguese	Slovak	Turkish	
Basque	Croatian	Georgian	Icelandic	Kurdish (Kurmanji)	Maltese	Punjabi	Slovenian	Ukrainian	
Belarusian	Czech	German	Igbo	Kyrgyz	Maori	Romanian	Somali	Urdu	
Bengali	Danish	Greek	Indonesian	Lao	Marathi	Russian	Spanish	Uzbek	
Bosnian	Dutch	Gujarati	Irish	Latin	Mongolian	Samoan	Sundanese	Vietnamese	

Data down

Note: Click o

Popular indic

All

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Food Security

Health and Well-being

Education

Gender

Water and Sanitation

Energy

Employment

Industry

Inequalities

Cities and Communities

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Climate Change

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Other Regions

☐ All Other regions (Option only available for downloads - download may take some time when download size is large)☐ European Union





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Помогите

загрузчик данных

Примечание: Нажмите на заголовок , чтобы развернуть или свернуть панели.

Популярные загрузки индикатора (не пространственные данные)

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Продовольственная безопасность	
Здоровье и благополучие	
образование	
Пол	
Водоснабжение и санитария	
энергии	
Занятость	
Промышленность	
Неравенства	
Города и сообществ	
Потребление и производство	
Изменение климата	
Океаны и окружающая среда прибрежной	
Земельные участки	
мир	
Партнерство и финансирование	

- ☐ Кирибати
- ☐ Кувейт
- ☒ Киргизия
- ☐ Лаосская Народно-Демократическая Республика
- ☐ Латвия
- ☐ Ливан
- ☐ Лесото

Регионы ООН по окружающей среде

- ☐ Все регионы ООН по окружающей среде (опция доступна только для загрузки - загрузка может занять некоторое время , когда размер загрузки большой)
 - ☐ Африка
 - ☐ Азия и Тихий океан
 - ☐ Европа
 - ☐ Латинская Америка и Карибский бассейн

SDG Регионы

- ☐ Все SDG регионы (опция доступна только для загрузки - загрузка может занять некоторое время , когда размер загрузки большой)
 - ☐ Австралия и Новая Зеландия (M49)
 - ☐ Центральная Азия (M49)
 - ☐ Центральная Азия и Южная Азия (M49)
 - ☐ Восточная Азия (M49)

Другие регионы

- ☐ Все другие регионы (опция доступна только для загрузки - загрузка может занять некоторое время , когда размер загрузки большой)
 - ☐ Европейский Союз

Click on a goal on the wheel to view goal related information

Statistics

UN Environment is custodian agency for 26 Sustainable Goals Indicators, of these 10 are tier I and tier II and where data is reported to the Secretary General Global database.

Currently UN Environment reports data for the following tier I and tier II indicators:

- 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
- 8.4.2 Domestic material consumption (DMC) and DMC per capita, per GDP
- 12.1.1 Number of countries with sustainable consumption and production (SCP) national action plans or SCP mainstreamed as a priority or target into national policies
- 12.2.2 Domestic material consumption (DMC) and DMC per capita, per GDP



SDG Global reporting:

We also coordinate our contribution of data and storylines on the SDG indicators presented in the SDG global reports.

2017:

- SDG Report 2017
- Statistical Annex

2016:

- SDG Report 2016
 - Statistical Annex
- UNSD Global Database

<https://environmentlive.unep.org/statistics>

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26 Sustainable

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15

LIFE ON LAND

14

LIFE BELOW WATER

13

CLIMATE ACTION

12

RESPONSIBLE CONSUMPTION AND PRODUCTION

11

SAFE AND AFFORDABLE ENERGY

10

REDUCED INEQUALITIES

9

INDUSTRIAL INNOVATION AND INFRASTRUCTURE

8

DECENT WORK AND ECONOMIC GROWTH

7

AFFORDABLE AND CLEAN ENERGY

6

CLEAN WATER AND SANITATION

5

GENDER EQUALITY

4

QUALITY EDUCATION

3

GOOD HEALTH AND WELL-BEING

2

ZERO HUNGER

1

PEACE, JUSTICE AND STRONG INSTITUTIONS

2017:

- SDG Report 2017
- Statistical Annex

2016:

- SDG Report 2016
- Statistical Annex

UNSD Global Database

Статистика

ООН по окружающей среде является хранителем агентство по 26 показателям устойчивого достижения целей, из них 10 являются уровнем I и II уровня, и где данные передаются в Генеральный секретарь глобальной базы данных.

В настоящее время ООН по окружающей среде сообщает данные для следующего уровня I и уровня показателей II:

- 6.3.2 Доля водоемов с хорошим качеством окружающей воды
- 6.5.1 Степень реализации комплексного управления водными ресурсами (0-100)
- 6.6.1 Изменения степени связанных с водой экосистем с течением времени
- 8.4.2 Внутреннее потребление материала (DMC) и DMC на душу, в ВВП
- 12.1.1 Число стран, устойчивого потребления и производства (УПП) национальных планов действий или SCP, учитываемым в качестве приоритета или цели в национальную политику
- 12.2.2 Внутреннее потребление материала (DMC) и DMC на душу, в ВВП



Нажмите на цели на колесе, чтобы просмотреть информацию, относящуюся к цели

SDG Глобальная отчетность:

Мы также координировать свой вклад данных и сюжетных линий по показателям СДГ, представленных в глобальных отчетах SDG.

2017 :

- SDG Report 2017
- Статистическое приложение

2016:

- SDG Report 2016
- Статистическое приложение

UNSD Глобальная база данных

<https://environmentlive.unep.org/statistics>

SEIS-related activities in Central Asia

Joint UNECE/UNEP capacity building workshops:

- April 2017 in Astana focusing on Waste and Water
 - October 2017 in Dushanbe focusing on Water and Forest accounts
 - June 2018 in Bishkek focusing on Biodiversity, Forests and Energy
 - July 2018 in Astana focusing on Water, Waste and MFA
-

SEIS-related activities in Central Asia

Online National State of Environment Report in Kazakhstan

<http://newecodoklad.ecogosfond.kz/>

And

Online Compact State of Environment report based on EPR

<http://envreport.hifztabiat.tj/>

SEIS-related activities in Kazakhstan

[illegible]

National Reports on Environment and Environmental Impact Assessment

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About this report

We present you an interactive report on the state of the environment based on the official state of the environment for 2016 and the National Report on the Use of Natural Resources of the Republic of Kazakhstan.

The publicly accessible report has been written in a clearer textbook form for a wide range of readers and additional supplementary information and materials have been used.

To facilitate the understanding of the text, an illustration of the environmental situation logic is used in the sections of the interactive report, its elements are:

driving power (D - driving forces) - economic and public spheres of life, their condition and development) impact on the environment;

their environmental impact (P - stresses) - emissions of pollutants, natural resources use;

the state of the environment (S - state) - as a result of such influence;

the least effect of this situation on human beings, firms and the natural community (I - impact);

and measures (R - response) to alleviate society's adverse effects.

The interactive report was developed by the Ministry of Energy of the Republic of Kazakhstan and the Kazakhstan Ecology in the Kazhina, the United Nations Environment Program and with the financial support of the European Commission in cooperation with the Zee Ecological Institute.

The full version of the National Report on the State of the Environment and the Use of Natural Resources of the Republic of Kazakhstan is available in the state and Russian languages at [newspublished appropriate for](#) and [www.environment.gov.kz](#)

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Другие разделы отчета

SEIS-related activities in Tajikistan

Экологический доклад 2018
Таджикистан. Окружающая среда

ГЛАВНАЯ СТРАНИЦА КООС PDF-VERSION РУССКИЙ ТОҶИКӣ

Поиск по ключевым словам

Предисловие

Об этом докладе

Особенности Таджикистана

- Состояние природы и ресурсов
- Устойчивое развитие

Основные экологические темы

- Воздух и климат
- Вода и земля
- Растительный и животный мир
- Отходы

Человек и окружающая среда

- Экология и здоровье населения
- Специальные бедствия

Использование природных ресурсов

- Туризм и народные промыслы
- Населенные пункты и городское хозяйство
- Сельское хозяйство
- Энергетика
- Промышленность
- Транспорт
- Меры охраны природы

Карты

- Экологические показатели
- Международная отчетность



Дорогие друзья,

Комитет охраны окружающей среды при Правительстве Республики Таджикистан представляет вашему вниманию подготовленный для широкого круга читателей доклад о состоянии и использовании природных ресурсов Таджикистана, о мерах и основных задачах в области охраны окружающей среды.

Экологическая ситуация во всем мире находится в состоянии хрупкого равновесия. Растут выбросы парниковых газов и вредных веществ, которые изменяют климат Земли и влияют на природу и здоровье населения. Увеличивается количество отходов, особенно пластиковых и токсичных, которые оказывают воздействие на природу не только там, где они образуются, но и в самых отдаленных уголках планеты, включая полярные районы и острова, они уже заметны также в масштабе океанов. Различные опасности угрожают существованию уникальных видов живой природы на суше и в воде. Последствия этих экологических проблем могут ощущаться в течение десятилетий и даже столетий. Вместе с тем наше понимание экологических проблем и необходимость действовать крепчает изо дня в день. Принимаются законы, разрабатываются цели и стратегии их достижения, есть технологии и знания, но часто они недостаточно последовательно используются или не хватает ресурсов.

Мы рассчитываем, что приведенные в этом докладе сведения и иллюстрации помогут читателям осознать всю широту и глубину экологической проблемы, необходимость принимаемых мер и тех задач, которые еще

Environmental Report 2018
Tajikistan. Environment

CEP HOME PAGE PDF-VERSION RUSSIAN TOCHIKI

Поиск по ключевым словам

Foreword

About this report

Features of Tajikistan

- The state of nature and resources
- Sustainable development

Main environmental issues

- Air and climate
- Water and earth
- Flora and fauna
- Waste

Man and the environment

- Ecology and public health
- Natural disasters

Use of natural resources

- Tourism and crafts
- Human settlements and urban economy
- Agriculture
- Power Engineering
- Industry
- Transport
- Conservation measures

Cards

- Environmental indicators
- International reporting



Dear friends,

The Committee for Environmental Protection under the Government of the Republic of Tajikistan presents to your attention a report prepared for a wide range of readers on the status and use of Tajikistan's natural resources, on measures and main tasks in the field of environmental protection.

The environmental situation around the world is in a state of delicate balance. Emissions of greenhouse gases and harmful substances that change the Earth's climate and affect the nature and health of the population are growing. The amount of waste, especially plastic and toxic, that affects the environment not only where they are formed, but also in the remotest corners of the planet, including the polar regions and islands, is also increasing; they are already visible on the scale of the oceans. Various dangers threaten the existence of unique species of wildlife on land and in water. The consequences of these environmental problems can be felt for decades and even centuries. At the same time, our understanding of environmental problems and the determination to act are getting stronger day by day. Laws are adopted, goals and strategies for their achievement are developed, there are technologies and knowledge.

We expect that the information and illustrations given in this report will help readers understand the breadth and depth of environmental problems, the need for measures and those tasks that remain to be solved in order to preserve nature for the well-being and prosperity of the current and future generations of people. We believe that ordinary citizens, officials, and the concerned world community can contribute to improving the state of the environment of the

SEIS-related activities in Central Asia

UPCOMING/PLANNED activities

- Kazakh language version of Online 2016 SoER (& discussions on possible online version for the 2017 SoER report as well once available)
 - Possible support to KAZ on completing the production and online sharing of the full list of 42 ECE indicators
 - Support to TAJ and to KYR in the production and online sharing of ECE environmental indicators
-

ENVIRONMENT



Shared Environmental Information System

Support to SEIS establishment in Europe and Central Asia

Project:

Improved environmental monitoring and assessment in support of the 2030 Sustainable Development Agenda in South-Eastern Europe, Central Asia and the Caucasus

Project: Improved environmental monitoring and assessment in support of the 2030 Sustainable Development Agenda in South-Eastern Europe, Central Asia and the Caucasus

ENVIRONMENT



Duration

January 2018-
December 2021



Target countries

Armenia, Bosnia and Herzegovina, the former Yugoslav Republic of Macedonia, Georgia, Kazakhstan, Kyrgyzstan and Tajikistan



Main objectives

- To strengthen capacities of national environmental authorities and statistical agencies to collect, produce data in accordance with SEIS
- To improve accessibility and use of regularly updated and high quality environmental indicators, within the framework of SEIS, to respond to international indicator-based reporting obligations, including monitoring progress towards the Sustainable Development Goals.

Implemented by UNECE in cooperation with UNEP and supported by EEA and UNCTs and funded by the UN Development Account



UNECE



Planned activities in Kazakhstan

ENVIRONMENT

- Development of a gap analysis review on SEIS establishment, environmental data and information to cover the production of regional/international environmental indicators and development of a national workplan or roadmap to enhance national SEIS establishment
- National training session to streamline the production of regionally and internationally agreed environmental data flows and indicators
- Advisory missions by UNEP and UNECE to support in regular environmental monitoring and assessment as part of preparing national roadmaps to monitor the SDGs
- National capacity-building workshop to improve the institutional knowledge base for data collection standards and the use of monitoring and assessment tools for regular indicator-based assessments to measure progress towards the environment-related SDGs
- Two regional capacity building workshops with participation of Kazakhstan

Other activities:

- Development of guidelines on addressing specific human and institutional capacity needs
- Development of a SEIS e-learning platform



UNECE



Thank you



Mr. Matthew Billot, UN Environment (UNEP)