YOU CANNOT MANAGE WHAT YOU CANNOT MEASURE
Outline

• International Mandate as Custodian Agency for SDG indicators - Update
• Working with Countries – closing the data gap
• Environment Statistics and Accounting 2018 - 2030
Custodian Agency - What is expected from us?

**General Assembly Resolution A/RES/71/313 on Work of the Statistical Commission pertaining to the 2030 Agenda for Sustainable Development**

**INDICATOR METHODOLOGIES, COMPARABLE DATA**
7. ... international organizations [Custodian Agencies] to provide the methodologies used to harmonize country data for international comparability and produce estimates through transparent mechanisms;

**CAPACITY DEVELOPMENT**
11. Urges countries, the United Nations funds and programmes, the specialized agencies, ... to intensify their support for strengthening data collection and statistical capacity-building, including capacity-building that strengthens coordination among national statistical offices, ...
### UN Environment as Custodian Agency

**6 goals - 26 Indicators**

<table>
<thead>
<tr>
<th><strong>6.3.2</strong> water bodies with good ambient water quality</th>
<th><strong>6.5.1</strong> integrated water resources management</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6.6.1</strong> extent of water related ecosystems</td>
<td></td>
</tr>
<tr>
<td><strong>6.a.1</strong> water- and sanitation-related official development assistance</td>
<td></td>
</tr>
</tbody>
</table>

| **8.4.1** material footprint per capita, and material footprint per GDP |
| **8.4.2** domestic material consumption |

| **12.1.1** SCP national action plans |
| **12.2.1** / **12.2.2** material footprint/domestic material cons. |
| **12.3.1.a** Global food waste index |
| **12.4.1** information Chemicals & Waste |
| **12.4.2** Hazardous waste |
| **12.5.1** National recycling rate |
| **12.6.1** corporate sustainability reporting |
| **12.7.1** sustainable public procurement |
| **12.a.1** R&D for SCP / EST |
| **12.c.1** fossil-fuel subsidies |

| **14.1.1** coastal eutrophication and floating plastic debris |
| **14.2.1** national EEZ managed using ecosystem based approaches |
| **14.5.1** protected marine areas |

| **15.1.2** Terrestrial/freshwater biodiversity sites - protected |
| **15.4.1** protected areas mountain biodiversity |
| **15.9.1** Aichi BD Target 2 |
| **15.a.1 / 15.b.1** Official development assistance and public expenditure on conservation and sustainable use of biodiversity and ecosystems |

| **17.7.1** Environmentally Sound Technologies |
| **17.14.1** Policy Coherence |

Progress indicator methodology development:
- **Under development**
- **Developed (’17-’18)**
- **Existed 2016**
Status and progress on SDG Indicators

April 2016

- SDG Global Indicator Framework

March 2016

- Reported data on 8 SDG indicators
- Provided analysis for the Secretary General’s SDG Progress Report

March 2017

- Reported data on 12 SDG indicators
- Provided analysis for the Secretary General’s SDG Progress Report

March 2018

- Reported data on 12 SDG indicators
- Provided analysis for the Secretary General’s SDG Progress Report

September 2018

- Finalized since 2016
  - 3.3.2 water quality
  - 6.6.1: water related ecosystems
  - 8.4.1 and 12.2.1 material footprint
  - 12.1.1 SCP national action plans
  - 12.c.1 fossil fuel subsidies

Under development
- Global guide on Material Flow Accounts (2)
- Ocean statistics (2)
- Measuring waste statistics for the SDGs (2)
- 12.6.1 corporate sustainability Reporting
- 17.14.1 Policy Coherence
- 12.7.1 Sustainable public procurement

Study: Measuring gender and the environment

https://environmentlive.unep.org/statistics
The reality of SDG reporting

National Data
Proxy Data

Harmonization and processing for international comparability

SDG GLOBAL DATABASE (maintained by UNSD)
Working in Partnership – an example

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

• UN-Water: Global Environmental Monitoring System
• National Aeronautics and Space Administration
• European Space Agency
• EU Joint Research Centre: algorithms, definitions
• Google: machine learning and computing

Satellite images
Environment Statistics in Countries: message from policy makers

GEO-5 Summary for Policy Makers

- Lack reliable consistent time-series data
- Drivers / impacts not systematically monitored
  - countries should monitor
  - standardized approaches
  - international cooperation
  - capacity building
  - Improving access to information
Measuring progress on the environment pillar of the 2030 Agenda: Is there enough data?

Statistical Yearbook for Asia Pacific 2017 (ESCAP)

Figure 2 - Data availability in the Asia-Pacific region by the three dimensions of development

Figure 3 - Data availability in the Asia-Pacific region by SDG goal, percentage of indicators

Agenda 2030 - global indicators without a methodology in 2016

244 SDG indicators
93 SDG environment indicators
26 SDG indicators
39% 52% 69%
Working with countries

https://environmentlive.unep.org/egm
Working with Countries – some stories

Following a joint mission of UN Environment and UNESCAP, Afghanistan National Statistics Office assigned 2 staff to work on environment statistics, and allocated a budget.

Following a Workshop on Material Flow Accounts in Lao PDR, the National Statistics Office requested Luxembourg to extend the seconded statistician for 1 year to work with them on Material Flow Accounts.

Following a Capacity Building Workshop in Senegal organized jointly with UNECA, Senegal requested more in-depth training on Statistical Data and Metadata eXchange and on Water Accounts – UN Environment & UNECA prepared a joint DA12 project proposal on SDMX Capacity Development.
Environment Statistics and Accounting towards 2030

Partnerships at country level:
With National Statistical Offices, Environment Ministries, Line Ministries, in coordination with other actors

Regional technical support projects:
Provide policy and programmatic support to countries to:
• advocate/dismantle barriers to regular production of environment statistics
• support the implementation of national plans to monitor the environmental dimension of the SDGs, MEAs, International Initiatives
• promote South-South cooperation and sharing of best practices

Global policy support and SDGs monitoring:
Coordinate all activities
Link normative & technical work at global level to the regional & national levels
Partnerships at country level
With National Statistical Offices, Environment Ministries, Line Ministries, in coordination with other actors

• Match UN Environment expertise with UNDAF/Sustainable Development Plans in countries

• Identify diverse forms of collaboration:
  Providing / receiving capacity development on priority areas, development of methodologies and guidelines, pilot testing of methodologies, joining geospatial experts and statisticians at national level, …

• Joint fund raising
Roles and Interactions

GLOBAL
- Methodology - Data Collection – Science Policy
- Information systems
- Blended learning

REGIONAL
- Dismantle barriers to production environment statistics
- Support fund-raising
- Promote South-South cooperation

NATIONAL
- National plans to monitor the environmental dimension of the SDGs, MEAs, International Initiatives
  - Partnerships
  - Fund-raising
  - Implementation
  - info exchange platforms,
  - User-producer dialogues

Coordinate
Link
normative & technical work at global level to regional & national levels

Adjust learning material to regional specifications
Pilot testing
Needs assessment

Policy / programmatic support to countries

Sharing best practices
South-South cooperation

Data reporting
Identification of needs
### What does it cost?

**Estimate for 2016-2020: ca. 10.8 million**
- 34 staff working part time - 7 staff working full time
- 31 contracted experts working on the SDGs (6 GEMI + 25 SDG Unit)
- Partners - In-kind contribution

**Table: Costs over 4 years**

<table>
<thead>
<tr>
<th>Resources over 2016-2020</th>
<th>Goal 6 (GEMI is not held)</th>
<th>Goal 8/14/15</th>
<th>Goal 14/15</th>
<th>Goal 17</th>
<th>Gender</th>
<th>Capacity building and and</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td>Project budget</td>
<td>2,000,000</td>
<td>825000</td>
<td>125000</td>
<td>500000</td>
<td>125000</td>
<td>1,525,000</td>
<td>5,100,000</td>
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**Other Summary stats**

<table>
<thead>
<tr>
<th>Project staff</th>
<th>14</th>
<th>1</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of consultants</td>
<td>14</td>
<td>15</td>
<td>3</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>39</td>
</tr>
<tr>
<td>Number of staff involved</td>
<td>6</td>
<td>13</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>6</td>
<td>34</td>
</tr>
<tr>
<td>Staff time as % of a post</td>
<td>130%</td>
<td>135%</td>
<td>40%</td>
<td>55%</td>
<td>0%</td>
<td>110%</td>
<td>470%</td>
</tr>
<tr>
<td>Staff costs over 4 years</td>
<td>936,000</td>
<td>972,000</td>
<td>288,000</td>
<td>396,000</td>
<td>0</td>
<td>792,000</td>
<td>3,384,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td>2,936,000</td>
<td>1,797,000</td>
<td>413,000</td>
<td>896,000</td>
<td>125,000</td>
<td>2,317,000</td>
<td>10,728,000</td>
</tr>
</tbody>
</table>

Full time SDG Unit Staff: Dany Ghafari, Jillian Campbell, Ludgarde Coppens and Ruth Mukundi

Cost over 4 years = 2244000
Initial rough estimate of resources 2018-2030

Long Term 2018-2030 (12 Years)

**US$ 170 m.**

**Staff:** US$ 50 m.

(including existing staff)

- HQ staff: US$ 2.7 million per year
- RO Staff: US$ 1.5 million per year

**Activity:** ca. US$ 120m.

(Or ca US$ 40m. per 4 years of consecutive MTS)
Thank you

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