Introduction of the NCAVES Indicators Workstream

United Nations Statistics Division
Why use SEEA for Indicators?

- Indicators can be derived from basic statistics
- The SEEA ensures that indicators are:
  - Consistent - Internally and with supporting accounts and basic statistics
  - Coherent – Allowing integration of environmental data with other statistics
  - Comprehensive – Allowing a comprehensive assessment of environmental assets
From Silo approach to coherent integrated indicators

Agency A
- Policy A
- Info A
- Data A

Agency B
- Policy B
- Info B
- Data B

Agency C
- Policy C
- Info C
- Data C

Integrated indicators for a coherent picture of the relationships between the environment, the economy and well-being
Why use SEEA for Global and National Indicators Initiatives

• Streamline multiple environmental reporting obligations.
• Improve consistency of the indicators
• Improve coherence between multiple datasets and indicators for informing on progress towards the SDGs.
• Integration of existing indicators into environmental-economic analysis for sustainable development.
NCAVES Project Work Stream 3: Indicators

• **Natural Capital Accounting & Valuation of Ecosystem Service:** EU funded project with five countries to advance environmental-economic accounting.

• **Work Stream 3:** Development and testing of a set of indicators using SEEA approach

• **Objective:** Assess how the SEEA is able to support international and national indicator initiatives

• **Deliverable:** An indicator set based on the SEEA Experimental Accounting framework to support the 2030 Sustainable Development Agenda and other indicator initiatives.

• **Process:**
  > Phase 1: Assessment
  > Phase 2: Development of guidance documents
  > Phase 3: In country testing using ecosystem accounts developed under NCAVES
Alignment of SEEA with Global Indicators

Assessing the linkages between global indicator initiatives, SEEA Modules and the SDG Targets

Working Document

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Which SEEA Modules can generate the most Global Indicators?

• 41 Global Indicators are full possibilities for generation by the SEEA Modules

• 17 SDG Indicators are full possibilities for generation by the SEEA Modules
SEEA and the CBD Post 2020 process

• The SEEA provides a strong organizing framework to for the derivation of coherent and consistent indicators that will be relevant to multiple suggested elements of the draft targets (trends in forest extent, cropland extent, etc.)

• A preliminary analysis undertaken by the United Nations Statistics Division indicates that SEEA can be used as an integrated framework to potentially monitor 27 out of 45 suggested indicators of the 2050 Goals, and 60 out of 147 of the 2030 targets indicators proposed in draft monitoring biodiversity framework.
<table>
<thead>
<tr>
<th>Draft 2030 targets</th>
<th>Suggested elements of the goals for monitoring</th>
<th>Suggested indicators</th>
<th>Mainstreaming Opportunities via SEEA</th>
<th>Link to SEEA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target 1: Retain and restore freshwater, marine and terrestrial ecosystems,</strong></td>
<td>Change in extent and rate of change of natural ecosystems and biomes.</td>
<td>Continuous Global Mangrove Forest Cover.</td>
<td>The SEEA EEA provides an framework to integrate spatial explicit information on ecosystems into economic planning process</td>
<td>1) Combined presentation of ecosystem extent accounts and biodiversity accounts</td>
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<tr>
<td><strong>increasing by at least [50%] the land and sea area under comprehensive spatial planning addressing land/sea use change,</strong></td>
<td>Land-use change for agriculture* Forest area as a proportion of total land area.</td>
<td>Live coral cover.</td>
<td></td>
<td>1) Ecosystem extent accounts</td>
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<td><strong>achieving by 2030 a net increase in area, connectivity and integrity and retaining existing intact areas and wilderness.</strong></td>
<td>Trends in forest extent (tree cover).</td>
<td>Species Habitat Index.</td>
<td></td>
<td>1) Ecosystem condition accounts</td>
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<td></td>
<td>Change in cropland extent.</td>
<td>Wetland Extent Trends Index.</td>
<td></td>
<td>1) Ecosystem extent accounts</td>
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<td>Spatial planning.</td>
<td>Biodiversity Habitat Index.</td>
<td></td>
<td>1) Ecosystem condition accounts</td>
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<td></td>
<td>Change in ecosystem connectivity. <strong>To be identified</strong></td>
<td></td>
<td></td>
<td>1) Combined presentation of ecosystem Extent and condition accounts</td>
</tr>
</tbody>
</table>
|                                                                                  | Change in rate of habitat degradation.        | Proportion of land that is degraded over total land area.                            | The SEEA EEA allows the trade offs in different economic decisions regarding ecosystem use to be linked to habitat degradation in a spatial explicit fashion | 1) Ecosystem condition accounts?
|                                                                                  | Habitat restoration.                         | Cumulative human impacts on marine ecosystems.                                       |                                                                                                     | 1) Ecosystem condition accounts                    |
|                                                                                  |                                               | Vegetation health index.*                                                            |                                                                                                     | 1) Ecosystem condition accounts                    |
|                                                                                  |                                               | Ocean Health Index.                                                                 |                                                                                                     | 1) Ecosystem condition accounts                    |
|                                                                                  |                                               | Area of land restored, by ecosystem* (and resulting benefits)*                        |                                                                                                     | 1) Combined presentation of ecosystem extent and condition accounts                              |
|                                                                                  |                                               | Global Ecosystem Restoration Index.                                                  |                                                                                                     | 1) Ecosystem condition accounts                    |
THANK YOU
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