Perspectives from Asia and the Pacific

Regional work on big data for environment statistics, including disaster-related statistics

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Country Examples of using Geospatial Data for SDG Indicators

2.4.1 – China
11.3.1 – China
11.6.2 – China
11.7.1 – China

6.3.2 – Australia, China
6.5.1 – Bangladesh, The Philippines, Viet Nam and Pakistan
6.6.1 – Japan

14.1.1 (a) – Australia, China
14.2.1 – China

15.1.1 – New Zealand
15.1.2 – China
15.2.1 – Bangladesh, Viet Nam and Nepal
15.3.1 – Australia
15.4.2 – New Zealand
15.5.1 – China
<table>
<thead>
<tr>
<th>SDG Indicator</th>
<th>Country examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.4.1 Proportion of agricultural area under productive and sustainable agriculture</td>
<td>China – <a href="#">Assessing progress towards sustainable cropping systems: The Case of China</a></td>
</tr>
<tr>
<td>6.3.2 Proportion of bodies of water with good ambient water quality</td>
<td>Australia – <a href="#">Algal Bloom Early Warning System</a></td>
</tr>
<tr>
<td></td>
<td>China – <a href="#">Analysis of surface water quality in China</a></td>
</tr>
<tr>
<td>6.5.1 Degree of integrated water resources management</td>
<td>Bangladesh, the Philippines, Viet Nam and Pakistan - <a href="#">Flood Prediction System Using the Global Satellite Map of Precipitation (GSMaP)</a></td>
</tr>
<tr>
<td>6.6.1 Change in the extent of water-related ecosystems over time</td>
<td>Japan – <a href="#">Global Mangrove Watch</a></td>
</tr>
<tr>
<td>11.3.1 Ratio of land consumption rate to population growth rate</td>
<td>China – <a href="#">Monitoring and assessing urbanization progress in China</a></td>
</tr>
<tr>
<td>11.6.2 Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted)</td>
<td>China – <a href="#">Monitoring and analyzing fine particulate matter (PM2.5) in China</a></td>
</tr>
<tr>
<td>11.7.1 Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons with disabilities</td>
<td>China - <a href="#">Proportion of urban open public space in China</a></td>
</tr>
<tr>
<td>14.1.1 (a) Index of coastal eutrophication; and (b) plastic debris density</td>
<td>Australia – <a href="#">Water Quality Monitoring of the Great Barrier Reef</a></td>
</tr>
<tr>
<td></td>
<td>China - <a href="#">Construction and application of an integrated eutrophication assessment model for typical coastal waters of China</a></td>
</tr>
<tr>
<td>14.2.1 Number of countries using ecosystem-based approaches to managing marine areas</td>
<td>China - <a href="#">Ecosystem health assessment in Jiaozhou Bay, China</a></td>
</tr>
<tr>
<td>15.1.1 Forest area as a proportion of total land area</td>
<td>New Zealand - <a href="#">Country use case</a></td>
</tr>
<tr>
<td>15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type</td>
<td>China – <a href="#">Evaluating the effectiveness of the management of protected areas: An example from Qianjiangyuan National Park in China</a></td>
</tr>
<tr>
<td>15.2.1 Progress towards sustainable forest management</td>
<td>Bangladesh, Viet Nam and Nepal - <a href="#">Mapping Forest Cover Extent and Change, and Progressing Sustainable Forest Management</a></td>
</tr>
<tr>
<td>15.3.1 Proportion of land that is degraded over total land area</td>
<td>Australia - <a href="#">Remote sensing Good Practice Guide for 15.3.1 sub-indicators: land cover, land productivity and carbon stocks above and below water</a></td>
</tr>
<tr>
<td>15.4.2 Mountain Green Cover Index</td>
<td>New Zealand - <a href="#">Country use case</a></td>
</tr>
<tr>
<td>15.5.1 Red List Index</td>
<td>China – <a href="#">Evaluation of Red List Index of threatened species in China, Assessment of giant panda habitat fragmentation</a></td>
</tr>
</tbody>
</table>
Perspectives from Asia and the Pacific

DOWNLOAD DATA

Source: https://floodmap.modaps.eosdis.nasa.gov/

(~ 2000 satellite Images)

PROCESS DATA

Extract Flood

Extract the Flood Inundation Areas

PRODUCE RESULTS

Flood frequency layer

Develop the Flood Hot Spot map
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Legend
- Waterways
- Boundaries

Elevation
- High: 671
- Low: 114

Sakon Nakhon

Thailand
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What **ESCAP** is presently doing –

**GUIDE** – “Producing land cover change maps and statistics”

**Producing land cover change maps and statistics**

Step by step guide on the use of QGIS and RStudio

What *ESCAP* is presently doing –

**OTHER GUIDES AND MATERIALS**
1. Automate your map production *(expected release in October 2020)*
2. Map community flood hazard exposure *(expected release in November 2020)*
3. Expose the Urban Hot Spots *(expected release in November 2020)*
4. E-learning materials on disaster-related statistics *(expected completion date in November 2020)*

**TECHNICAL ASSISTANCE**
1. Fiji Bureau of Statistics – Land Cover Change
2. Asian and Pacific Centre for the Development of Disaster Information Management (APDIM) – Regional sand and dust storms risk assessment
What *ESCAP* is presently doing –

**REGIONAL AND GLOBAL GROUPS ON DISASTER-RELATED STATISTICS**

1. Technical Working Group on Disaster-related Statistics in Asia and the Pacific – *Inaugural meeting in October 2020*

2. Inter-Agency and Expert Group on Disaster-related statistics – *Inaugural meeting in November 2020*
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E-learning Materials on Disaster-related statistics

Training overview

Each module of this training takes about 15-30 minutes to complete. We recommend starting with Module 1, which explains the principles of the DRSF. You can work through the other modules in your preferred order.

Module 1: Introduction to the DRSF
Module 2: Measuring disaster risk
Module 3: Measuring disaster occurrence and human impact
Module 4: Measuring economic losses
Module 5: DRR Expenditure statistics
Module 6: Compiling and presenting the data
The DRSF’s application to the COVID-19 pandemic

Harmonizing statistics

The goal of the DRSF is to produce statistical compilations that will assist applications designed for disaster risk reduction, national and international indicators reporting, and analyses required for decision-making at national and local levels. Harmonizing statistics also enables evidence-based policy decision making on the international level, like in the meeting of the Security Council discussing the impacts of climate-related disasters on international peace and security in 2019.

NEXT >
Thank You