



# Monitoring the SDG's

A perspective on how we are addressing  
the SDG's in Denmark

Olav Eggers  
Senior Consultant  
Agency for Data Supply and Efficiency  
Denmark

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## SDGs - Approach

- National Action Plan based on a nationwide consultation (Public entities, NGO's, business etc.) – initial time frame: end of 2016
- New Danish Government in November
- Action plan now expected in beginning 2017
- Process until now coordinated by the Foreign Office, but will be implemented by the Ministry of Finance
- The action plan will highlight a limited number of national and international priorities (not exhaustive picture of the Danish follow-up on the 2030 agenda)

## Action Plan

- Identification of priorities is based on:
  - Denmark's existing strengths in areas such sustainable growth and employment, a strong welfare state, equality between women and men, as well as a solid development cooperation
  - An assessment of the need to make additional efforts on a few selected areas
- Statistics Denmark is expected to be anchor for the annual statistical reporting, including reporting to the UN
- In addition, the Government will present every four years, a report on the status of the action plan to parliament, which will also form the basis for Denmark's presentation of status in the UN
- The Government's follow-up will initially be carried out within the existing legal and financial framework

## Data mapping

Statistics Denmark conducted a data mapping exercise in spring 2016:

- Internally in Statistics Denmark, where data availability was identified in accordance with the Tier system;
- Step two – if the data was not covered by Statistics Denmark, identification of government agencies (or non-governmental institutions) that hold the required data;
- [Subsequently, a nationwide hearing on data availability will be carried out;](#)
- [Considerations and proposals on how to approach Tier III/non classified indicators in the Danish context](#)

The outcome of the initial mapping process has been used as input to the intragovernmental group working on the National Action Plan

# Indicator situation

Based on Statistics Denmark's data mapping:

- **Green** - part of SD's statistics program - ie data are available here and now (about 32%)
- **Yellow** - statistics on the subject can be inferred from the data available in SD (around 13%). (Eg Unemployment rate by sex, age-group and disability)
- **Red** – SD currently has no knowledge of how the subject can be illuminated statistically (around 15%)
- **Gray/blue** – not relevant in Danish context or not classified yet (around 40%)

Hearing on national data availability needed

| Final list of proposed Sustainable Development Goal indicators                                                                                                                                               |                                                                                                                                                                                                                                                             |                                                                                                                                                 |          |                                                                                            |                                                               |                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------|
|                                                                                                                                                                                                              |                                                                                                                                                                                                                                                             |                                                                                                                                                 |          | Tier I/II/III - kommentarer stammer fra UN agencies og andre internationale organisationer | Tilgængelighed af data i DST - hvilke datakildermyndigheder - | Tilgængelighed af data i andre data producerende (evt.) ansvarlig |
| <b>Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss</b> |                                                                                                                                                                                                                                                             |                                                                                                                                                 |          |                                                                                            |                                                               |                                                                   |
| Goal 15                                                                                                                                                                                                      | 15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements | 15.1.1 Forest area as a proportion of total land area                                                                                           | Tier I   | Tier I                                                                                     | Skovbrugets størrelse opgøres. Tal findes i tabellerne SKOV   | Naturstyrelsen MFVM                                               |
| Goal 15                                                                                                                                                                                                      |                                                                                                                                                                                                                                                             | 15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type         | Tier I   | Tier II                                                                                    |                                                               | MFVM                                                              |
| Goal 15                                                                                                                                                                                                      | 15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally                                                | 15.2.1 Progress towards sustainable forest management                                                                                           | Tier III | Tier III                                                                                   |                                                               | MFVM                                                              |
| Goal 15                                                                                                                                                                                                      | 15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world                                                                | 15.3.1 Proportion of land that is degraded over total land area                                                                                 | Tier III | ikke relevant                                                                              |                                                               | MFVM                                                              |
| Goal 15                                                                                                                                                                                                      | 15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development                                                           | 15.4.1 Coverage by protected areas of important sites for mountain biodiversity                                                                 | Tier II  | ikke relevant                                                                              |                                                               | MFVM                                                              |
| Goal 15                                                                                                                                                                                                      |                                                                                                                                                                                                                                                             | 15.4.2 Mountain Green Cover Index                                                                                                               | Tier II  | ikke relevant                                                                              |                                                               | MFVM                                                              |
| Goal 15                                                                                                                                                                                                      | 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species                                                                 | 15.5.1 Red List Index                                                                                                                           | Tier II  | Tier I                                                                                     |                                                               | MFVM                                                              |
| Goal 15                                                                                                                                                                                                      | 15.6 Promote fair and equitable sharing of the benefits arising from the utilization of genetic resources and promote appropriate access to such resources, as internationally agreed                                                                       | 15.6.1 Number of countries that have adopted legislative, administrative and policy frameworks to ensure fair and equitable sharing of benefits | Tier III | not stat                                                                                   |                                                               | MFVM                                                              |
| Goal 15                                                                                                                                                                                                      | 15.7 Take urgent action to end poaching and trafficking of protected species of flora and fauna and address both demand and supply of illegal wildlife products                                                                                             | 15.7.1 Proportion of traded wildlife that was poached or illicitly trafficked                                                                   | Tier II  | uafklaret                                                                                  |                                                               | MFVM                                                              |

## Geospatial support

- Agency for Data Supply and Efficiency (SDFE) led the UN-GGIM Task Team on geospatial for the SDG's
- Close cooperation with Statistics Denmark (SD) during the preparations for geospatial side event March 2016 (47<sup>th</sup> StatCom)
- High level meeting between Agency for Data Supply and Efficiency (SDFE) and Statistics Denmark (SD)
  - Discussion on areas of cooperation
- Follow-up with SD in the IEAG-SDG – sub group process
- ...awaiting the Action Plan
  - When action plan is launched by government, further integration of geospatial will be based on cooperation with defined responsible entities
  - Integration with administrative data/geocoding will be at the core of the danish setup

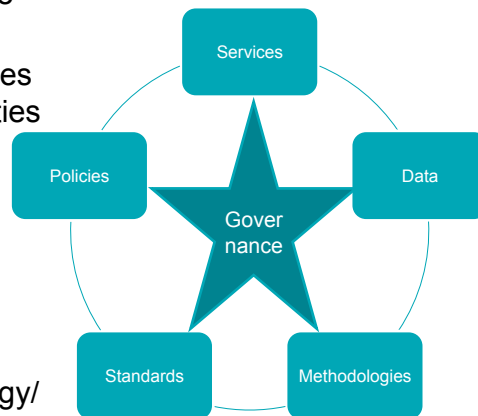
| Target                                                                                                                                                                                                                                    | Indicator                                                                                                                                   | Addresses | Administrative units | Built-up area polygons | Cadastral parcels | Geographical names | Habitats and biotopes | Transport networks | .... | Additional geometry |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------|------------------------|-------------------|--------------------|-----------------------|--------------------|------|---------------------|
| <b>Goal 1 End poverty in all its forms everywhere</b>                                                                                                                                                                                     |                                                                                                                                             |           |                      |                        |                   |                    |                       |                    |      |                     |
| 1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day                                                                                                           | 1.1.1 Proportion of population below the international poverty line, by sex, age, employment status and geographical location (urban/rural) | ✓         | ✓                    | ✓                      |                   |                    |                       |                    |      |                     |
| <b>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b>                                                                                                                  |                                                                                                                                             |           |                      |                        |                   |                    |                       |                    |      |                     |
| 9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all | 9.1.1 Proportion of the rural population who live within 2 km of an all-season road                                                         | ✓         | ✓                    | ✓                      |                   |                    |                       | ✓                  |      |                     |
| <b>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</b>                                                                                                                                              |                                                                                                                                             |           |                      |                        |                   |                    |                       |                    |      |                     |
| 11.7 By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities                                                      | 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    | ✓         | ✓                    |                        |                   |                    |                       |                    |      | Open space Polygons |

# Indicator review template

|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>2030 Agenda Sustainable Development Goals</b>                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Suggested geospatial data integration</b>                                                                                                                                                                                                                                                                                                                                                  |
| <b>Goal: 15:</b> Protect, restore and manage forests, combat desertification, and halt and reverse land degradation and biodiversity loss                                                                                                                                                                                                                                                                                                        | <b>GAP analysis:</b> "Reliable methods for estimating emissions from forest degradation are still lacking. We suggest using a common input source (Sentinel 2) to monitor the world's forest, thus eliminating the need for a Tier system. This will also standardize reporting methods and create enhanced transparency – building on a close partnership with national forest authorities". |
| <b>Target: 15.1:</b> By 2020, increase significantly the forest area, especially of degraded forests, inland freshwater and drylands, in line with the Paris Agreement                                                                                                                                                                                                                                                                           | <b>List required geospatial data:</b> "Need for high-resolution multispectral imagery (including NIR) for detailed images of land and vegetation, with frequent revisit times to provide frequent images".                                                                                                                                                                                    |
| <b>Indicator: 15.1.1:</b> Forest area, in % of land area                                                                                                                                                                                                                                                                                                                                                                                         | <b>Data quality requirements:</b> "This indicator requires high repetition rates to acquire large data coverage in short time periods (short repetition cycle), high spatial resolution (10-20m) to assess also forest stands with low canopy closure, 10, 20 and 60m, and high spectral resolution to discriminate between forest and spectrally similar vegetation types".                  |
| <b>Definition of the indicator:</b> Forest area, in % of land area, based on the most recent available data, and including expert estimates                                                                                                                                                                                                                                                                                                      | <b>Data availability:</b> "Sentinel data are globally available, downloadable from ESA. Access to Sentinel data is free, full and open for the broad Regional, National, European and International user community. User registration is based on a user account pre-registration, with a dedicated single account per Agreement".                                                            |
| <b>Indicator disaggregation:</b> Forest area, in % of land area, by type of forest                                                                                                                                                                                                                                                                                                                                                               | <b>Data collection:</b> "Sentinel data access infrastructure for International Agreements (International Agreements Data Hub), can provide access to a rolling on-line archive covering the last month(s) of Sentinel's core products, available within their specific timeliness. Furthermore, access to off-line archived data is available on-request".                                    |
| <b>Current suggested reporting:</b> are asked to assign a reporting (where Tier recent data (i.e., less than 10 years) from ground validation more than 10 years) from including expert estimates                                                                                                                                                                                                                                                | <b>Data interpretation:</b> "Forest cover change assessment procedure: Acquire EO data, site image control and pre-processing, preliminary labeling of objects and changes, verification and adjustments of labels, validation and adding forest and land use dimension".                                                                                                                     |
| <b>Method of integration:</b> "1) A governance structure is agreed nationally and internationally, 2) A global reference data set is created, 3) Monitoring cycles are agreed, 4) Methods for change detection are developed, and the centrally established dataset is revised, 5) An online portal like the Forest Resources Information Management System "FRIMS" is used as channel for interaction between FAO and each national authority". |                                                                                                                                                                                                                                                                                                                                                                                               |

## Next steps...

- Coordination start-up by the Ministry of Finance
- Distribution of responsibilities and tasks between authorities
- Consolidation of data responsibilities
- Overall responsible for collection, validation and reporting to the UN
- Reporting governance: standards/data/ methodology/ policy/services



Thank you !