A Federated Information System for the SDGs

United Nations Statistics Division

CONTEXT

Multilevel SDG data reporting

- **National and subnational reporting** is the most significant level of the SDG review process

- The global SDG monitoring system **builds on national data reporting**

  – Data derived from **national sources** is the foundation for SDG reviews at all levels

  – It is crucial to create opportunities for countries to directly contribute to **global reporting**

Technology as a key enabler

- **Digital technology** is available today that allows for the necessary **transformation** to leverage:

  – New sources of data and information

  – New approaches for data collection, management, processing and dissemination

  – New partnerships with civil society, the private sector and academia

  – Integration of geospatial and statistical information systems

A FEDERATED INFORMATION SYSTEM FOR THE 2030 AGENDA

Why a Federated Information System for the SDGs?

To help implement the 2030 Agenda

- Through the effective integration, dissemination and use of statistical and geospatial data,

- Supported by technologies that facilitate data sharing, interoperability and collaboration,

- In order to inform decision makers and report on the SDGs across local, national, regional and global levels
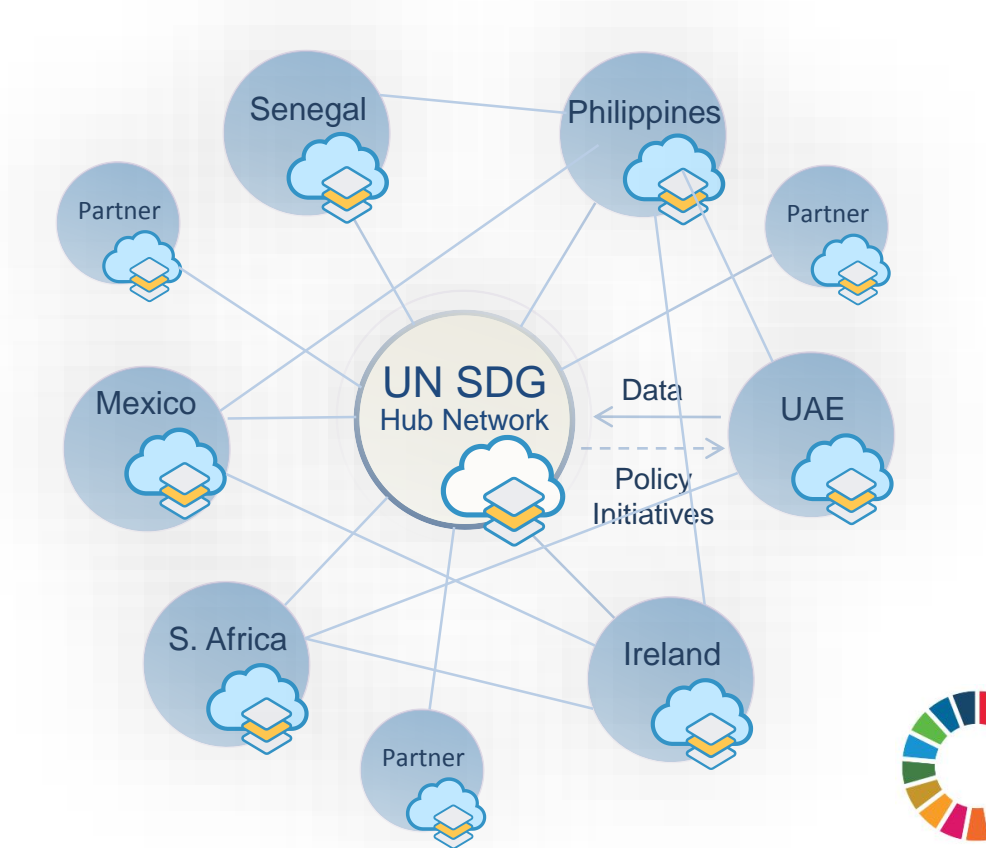
How does the Federated System work?

- It is a country-led "system of systems"
- Implemented through
  - Open standards and principles for data interoperability
  - Geospatial information systems (GIS) and data analytics capabilities
  - Web-based collaboration, communication and user engagement
- Supports NSOs in managing statistical and geospatial data, integrating new and innovative data sources
- Enables local/national decision makers to access, understand and use SDG data
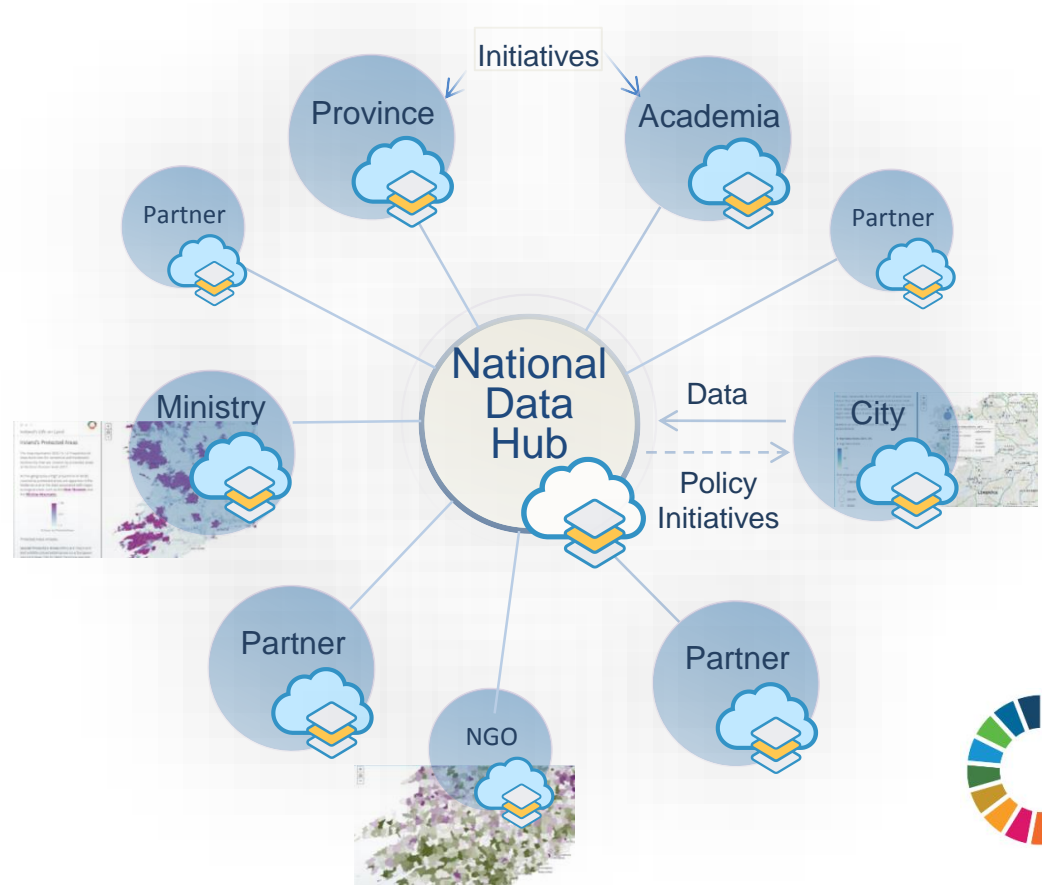- Empowers countries to directly contribute to global SDG reporting

UN SDG Data Hub

- Linked to a global network to share data, templates and common initiatives

- Enabled by Web GIS and open standards

A network of national SDG Data Hubs

- Supporting national partnerships around data and policy initiatives
- Providing an inclusive and enabling environment for all stakeholders

Deliverables

- National **SDG Data Hubs** that transform local and national statistical data and geospatial information into accessible web services

- A **comprehensive architecture** to support the integration of loosely coupled metadata-driven systems to deploy SDG data and information at the local, national and global levels

- Country-specific **information products** and applications based on the needs of policy and decision makers at the local, national and global levels

- Improved **capacity of local institutional and human resources** to implement, operate and further develop national SDG data platforms

Implementation: initial steps

- Small initial group of countries initiated the research exercise in May 2017 followed by a second group in October 2017

- Deployed a limited number of **National SDG Data Hubs** that are "country owned and country led"

- Deployed a **Global UN SDG Data Hub** for the SDG indicator framework

The way forward

– Mobilize resources and expand the network of partners

– Strengthen the role of NSOs as enablers and coordinators

– Develop strategies on modern IT infrastructure and technical and statistical standards

– Implement statistical geospatial frameworks at the country level for the integration of SDG data and information

– Promote engagement with policy makers and users from multiple stakeholder groups