National Data Reporting Platforms

Workshop on Data and Statistics for Evidence-Based VNRs

Vienna, Austria, 12 December 2019

Work to Develop New Tools for National Reporting and Dissemination Platforms

- Conference on National Reporting and Dissemination Platforms
  - New York, January 2018
  - Brought together approx. 70 representatives of countries, international agencies, software vendors
  - Took stock of the landscape in terms of available data platforms
  - Developed **Principles of SDG Indicator Reporting and Dissemination Platforms and guidelines for their application**
- National Platforms Strategy
  - Developed late 2018
  - Provides an approach to dealing with the changed landscape
  - Updated and presented at UN Statistical Commission in March 2019

Principles of SDG Indicators reporting and dissemination platforms

- Outcome of the Conference on National Reporting Platforms

- Definition "…means to report and disseminate national statistics including SDG indicators and descriptive metadata, and refers to a website, database(s), and associated IT infrastructure, workflows and processes used to collect, store, secure, and ultimately disseminate data and related metadata and documentation in an easily accessible way to reach all target users."

Target Users

- Government officials and policy makers

- Members of academia

- Non-governmental organizations and non-profits

- International/regional organizations

- Media and other information providers

- Business community

- Individual users

Principles for design and implementation

- **Clear institutional arrangements and management**
  - Coordination within NSS clearly established
  - Adequate laws and regulations, mandates, standard operating procedures
  - NSO typically responsible for coordination
- **Fitness for purpose**
  - Purpose, scope and features clearly established
  - Need for consultation of stakeholders and users
  - Compliance with Fundamental Principles of Official Statistics
  - Addressing priority needs of subnational, national regional and global monitoring

Principles for Design and Implementation (2)

- **Sustainability**
  - Taking into account availability of internal or external resources and capacities over medium/long term

- **Interoperability and statistical standards**
  - Adopting international and national standards and best practices
    - To facilitate integration, customization, further development of components
    - To facilitate data harmonization and exchange

Guidelines for implementation (1/5)

- **National ownership**
  - NSO should have ability to maintain, transform, adapt and customize
  - Management of subnational boundaries, national and ethnic group languages
  - Additional indicators
- **Collaboration**
  - Between technology developers, policymakers, subject-matter experts, business partners, advocacy groups, institutional and grassroot users

Guidelines for implementation (2/5)

- **Multilingualism and accessibility**
  - Leave no-one behind
  - Multiple languages, access to persons with disability, access through a wide range of browsers and mobile devices
- **User-centered design**
  - Designed for and with users
- **Data communication**
  - Innovative strategies for the presentation, communication and use of data
  - Innovative data visualization and story-telling capabilities

Guidelines for implementation (3/5)

- **Data disaggregation**
  - No-one left behind
  - Improved access to disaggregated data: geographic area, sex, age group, residence, wealth/income, disability, etc.
- **Modularity and extendibility**
  - Modules/sub-system that interoperate to service different phases of the data life cycle
  - SDMX and CSPA
- **Standard interfaces**
  - API – Application Programming Interface

Guidelines for implementation (4/5)

- **Scalability**
  - Support needs beyond the immediate scope
- **Metadata**
  - Structural metadata (codes to access the data)
  - Reference metadata (methodology and quality aspects)
- **Open data**
  - Accessible, free, machine-readable
- **Linked data**

Examples of SDG National Data Platforms

- ArcGIS online h ttps://www.esri.com/en-us/arcgis/products/arcgis-online/overview
  - State of Palestine: http://sdg-pcbs.opendata.arcgis.com/
- OpenSDG, a.k.a. the US/UK Platform
  - Ghana: https://sustainabledevelopment-ghana.github.io/
  - Armenia (in Russian): https://armstat.github.io/sdg-site-armenia/ru/no-poverty/
- Goal Tracker
  - Colombia: https://ods.gov.co

Examples of SDG Natoinal Data Platforms

- dot.Stat https://siscc.org/
  - Cambodia pilot: http://camstat.siscc.org/
- Africa Information Highway http://dataportal.opendataforafrica.org
  - Zambia SDG page: http://zambia.opendataforafrica.org/addin/sdg
- PX Web https://www.scb.se/sv_/PC-Axis/Programs/PX-Web/

Thank you!