Interactive and digitally-enabled statistical standards

17th Meeting of the Advisory Expert Group on National Accounts
15, 16 and 19 November 2021

United Nations Statistics Division
What has been done?

- **Side event** to promote the work of the sub-task team was organized on 23 February 2021 during the 52nd Session of the UN Statistical Commission.

- Update was provided to the **15th meeting** of the AEG on national accounts.
What has been done?

• A number of brainstorming sessions to discuss and conceptualize the way forward
Outcome – 4 components

- Semantic web application
- Architecture for standards & classifications
- Real-time authoring platform
- Document schema

Fully functional interactive digitized statistical manuals

Transforming the way we use economic statistics manuals & classifications
Architecture for interactive and digitally-enabled standards and classifications - deliverables

Prototype of a common architecture for an interactive platform linking international statistical standards for economic statistics, classifications and other statistical domains

Draft ontologies and vocabularies in RDF format to formalize concepts, relations and axioms

Collaboration with FAO on expanding its Caliper
Designing XML document schema for economic statistics - deliverables

- Report on existing standards for creating structured and semantically annotated documents across different domain areas
- Initial proof of concept of document schema and supporting code in Git for a conceptual data and metadata model of the content of the 2008 SNA and BPM6
- Agenda, presentation deck, and background notes to support the discussion of the initial proof of concept
- Final report and proof of concept
Real-time collaborative authoring platform - deliverables

Report on existing open-source and proprietary wiki software and WYSIWYG editors that support real-time collaboration and are extensible

Plugin to an existing WYSIWYG editor or the default editor of the chosen wiki to enable annotation of text

Wiki setup on development server, with tailored configuration and integration of annotation plugin, search functions, user access and document templates

End user and developer documentation, wiki installation setup and configuration tutorial

Example is Wikipedia (an open-source wiki) + tailored plugins
Semantic web application for economic statistics - deliverables

A git repository with the code for the web application

A compelling web application showing the benefits of linked open data (LOD) to economic statistics, showing all commits, deployed to production from each commit to the master branch

Example is the LinkedSDG application on UN Global Platform
Way forward

- Sub-task team meeting on 9 September 2021 endorsed the approach
- Consultants are needed for each component and will be funded by UNSD
- Consultant for real-time authoring platform has been recruited and has started work
- Recruitment of consultants for other components are in progress
Thank you