23 March 2022

Towards Open and Linked Data for statistical classifications and metadata catalogues

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Abstract

This presentation will present the transformation of Eurostat statistical classifications, their correspondence tables, and different metadata catalogues related to statistical standards, organisations, legal acts or methodologies from Ramon (the Eurostat Metadata Server for the Reference and Management of the Nomenclatures) as Linked Open Data (LOD), with the aim at enhancing the Findability, Accessibility, Interoperability and Reusability of statistical data assets.

For this approach, we implemented an application profile based, among others, on the following ontologies: SKOS (Simple Knowledge Organisation System); XKOS (the extension of SKOS for modeling statistical classifications) developed by DDI (Data Documentation Initiative); ELI (the European Legislation Identifier ontology); and COOS (the Core Ontology for Official Statistics), a ModernStats standard currently in development under the auspice of UNECE.

The presentation will describe the technology stack used for the maintenance and dissemination of Eurostat's statistical data assets as Linked Open Data in RDF format (Resource Description Framework). The presentation will also outline potential opportunities for further international collaboration on the use of Linked Open Data for linking reference and derived classifications in the international system of economic classifications.