EDDI 2024

Contribution ID: **6**   Type: **Short Presentation**

Integrating DDI 3.3 with ModernStats Models at StatCan

Wednesday, 4 December 2024 15:30 (20 minutes)

The ModernStats models, including GSBPM and GSIM, alongside reference architectures like CSPA and CSDA, provide a robust framework for understanding statistical production, guiding business decisions, and designing reusable software components. However, bridging the gap between these conceptual models and their implementation standards—particularly DDI 3.3 and SDMX—has be-come a focal point of discussion within the international community.

This presentation details Statistics Canada's recent efforts to bridge this gap by deploying a suite of standard-based data and metadata management tools (e.g., Colectica, Aria, Fusion Metadata Registry, Data Lifecycle Manager) aligned with the ModernStat models. The challenge lies in making these tools, developed by different communities, interoperate at a semantic level. Achieving this requires mapping between the standards and developing customized micro-utilities that act as "connective tissue," enabling the creation of data and metadata pipelines across the phases of the GSBPM.

We will present key use cases that highlight our progress, describe the challenges we have encountered, and outline the road ahead. This session aims to provide a deep dive into how DDI 3.3 is being leveraged to enhance metadata-driven processes at StatCan, offering valuable insights for those working with or planning to implement similar standards-based approaches.

Primary author: Mr RIZZOLO, Flavio (Statistics Canada)

Co-author: BISSON, Philippe (Statistics Canada)

Presenter: BISSON, Philippe (Statistics Canada)

Session Classification: Interoperability.3