Standards based approach to integrated Statistics

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Delivering insight through data for a better Canada
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<th>20%: Percentage of web traffic that views our standards pages</th>
<th>700+: active standards that are published on our website used by programs and others. New standards continually published.</th>
<th>98%: Percentage of international standards with which Statistics Canada conforms</th>
<th>Nationally recognized as a leader in terms of standards, involved in transformative standards initiatives (AI and Data Standards Collaborative, etc.)</th>
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<td>Mandate: Promote sound statistical standards and practices</td>
<td>100+: External engagements on Standards (2022-2023)</td>
<td>Enabling Products: Access the standard using various formats. Publication of correspondence tables and variants, and full documentation.</td>
<td>Implementation: Evolving infrastructure products and services that facilitate implementation of standards (ex. Reference Data as a Service, SDMX, Metadata Ecosystem, etc.)</td>
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Statistical Standards
Immediate action on data standards is needed as we move towards data strategy implementation. It is the foundation for other actions items.
Standards in Action: Use Cases

Disaggregated Data Action Plan

This plan will lead to detailed statistical information to highlight the experiences of specific population groups, such as women, Indigenous peoples, racialized populations and people living with disabilities.

Canadian Centre for Energy Information

The Canadian Centre for Energy Information (CCEI) is a convenient one-stop virtual shop for independent and trusted information on energy in Canada.

Quality of Life

The Quality of Life Framework for Canada brings together data for approximately 85 key indicators on the well-being of people in Canada.

Pan Canadian Health Data Strategy

Reliable, timely and relevant public health data are crucial to help public health officials provide their best advice in public health emergencies. Good health data also leads to improvements in health outcomes for Canadians in the longer term.
What is the IBSP?

• The Integrated Business Statistical Program was launched with the goal of achieving operational efficiencies and improved quality
• Covers all statistical processes from sampling to estimation
• Metadata-driven system
• Continuous system enhancements
• Optimal use of corporate services (IMDB, Generalized systems, Business Collection Portal....)
• Covers 130+ economic surveys
Applying Standard Classifications

• Full benefits of an integrated approach can only be obtained by also implementing a harmonized conceptual framework.

• For IBSP, this begins with the application of standards.

• All IBSP surveys must apply statistical standards including:
  • North American Industrial Classification System (NAICS) 2022
  • North American Product Classification System (NAPCS) 2022
  • Standard Geographic Classifications (SCG) 2021

• Variants or special aggregations must be approved by Standards Division.

• IBSP system loads and stores new classification to be used in all downstream processes.
Applying Classifications in IBSP
Maximize use of standards across all business processes
Developing Standardized Content

• Numerous financial variables are common across many economic surveys.

• By harmonizing the definitions of these variables and systematically applying standards, common content has been developed and implemented across various programs.

• The IBSP content model is based on a series of generic modules; revenue, expenses, employment, purchased services....

• This approach plays a critical role in creating coherence across programs and in minimizing the amount of effort required to build, test and implement survey content.
Developing Standardized Content

- Objective of the IBSP is to maximize the use administrative data to its fullest potential.
- This guided the development of questionnaire content in order to ensure financial variables could be replaced with tax.
- Also needed to ensure that the data needs (primarily the system of national accounts) were met using administrative data.
- COA variables, which are directly linked to tax concepts are mapped to content variables.

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Thank you

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