

GSIM Specification



Generic Statistical Information Model (GSIM): Specification

(Version 1.1, December 2013)



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About this document

This is aimed at metadata specialists, information architects and solutions architects. This document includes descriptions of information in a statistical organization. There are also a number of annexes, which include information about Exchange Channels, a glossary, UML class diagrams and the GSIM extension methodology.

I. Introduction

II. Information in the Statistical Business Process

- A. Identifying and Evaluating Statistical Needs
- B. Designing and Managing Statistical Programs
- C. Designing Processes
- D. Running Processes
- E. Exchanging Information
- F. Collecting Information
- G. Processing and Analyzing Information
- H. Disseminating Information

III. Foundational Information

- A. Concepts
- B. Population
- C. Node and Node Set
- D. Statistical Classification
- E. Variable
- F. Represented Variable
- G. Instance Variable
- H. Information Resources
- I. Data Sets
- J. Dimensional and Unit Data Structures
- K. Referential Metadata Sets

IV. Technical information

- A. Identity and Administrative Details
- B. Information Providers, Information Consumers, Organizations, and Individuals

Annex A: Exchange Channels

- A. Administrative Registers
- B. Web Scraping for Data Collection
- C. Survey Data Collection

Annex B: Glossary

Annex C: UML Diagrams (see Word or PDF versions)

Annex D: Extending the model

A. GSIM Extension
Methodology

B. Administrative Attributes