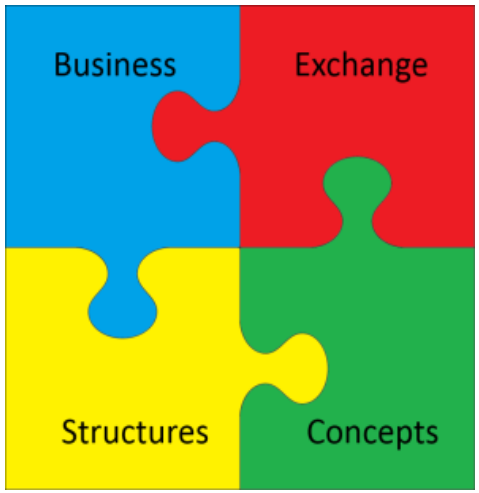
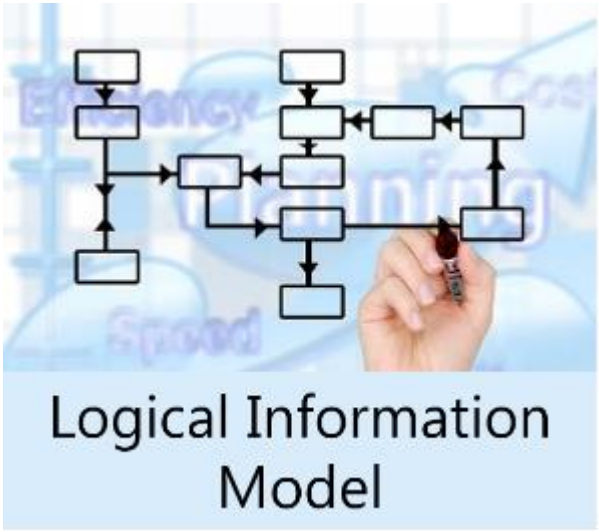
Information Flows in CSPA
Wiesbaden 3-5 July
Eva Holm



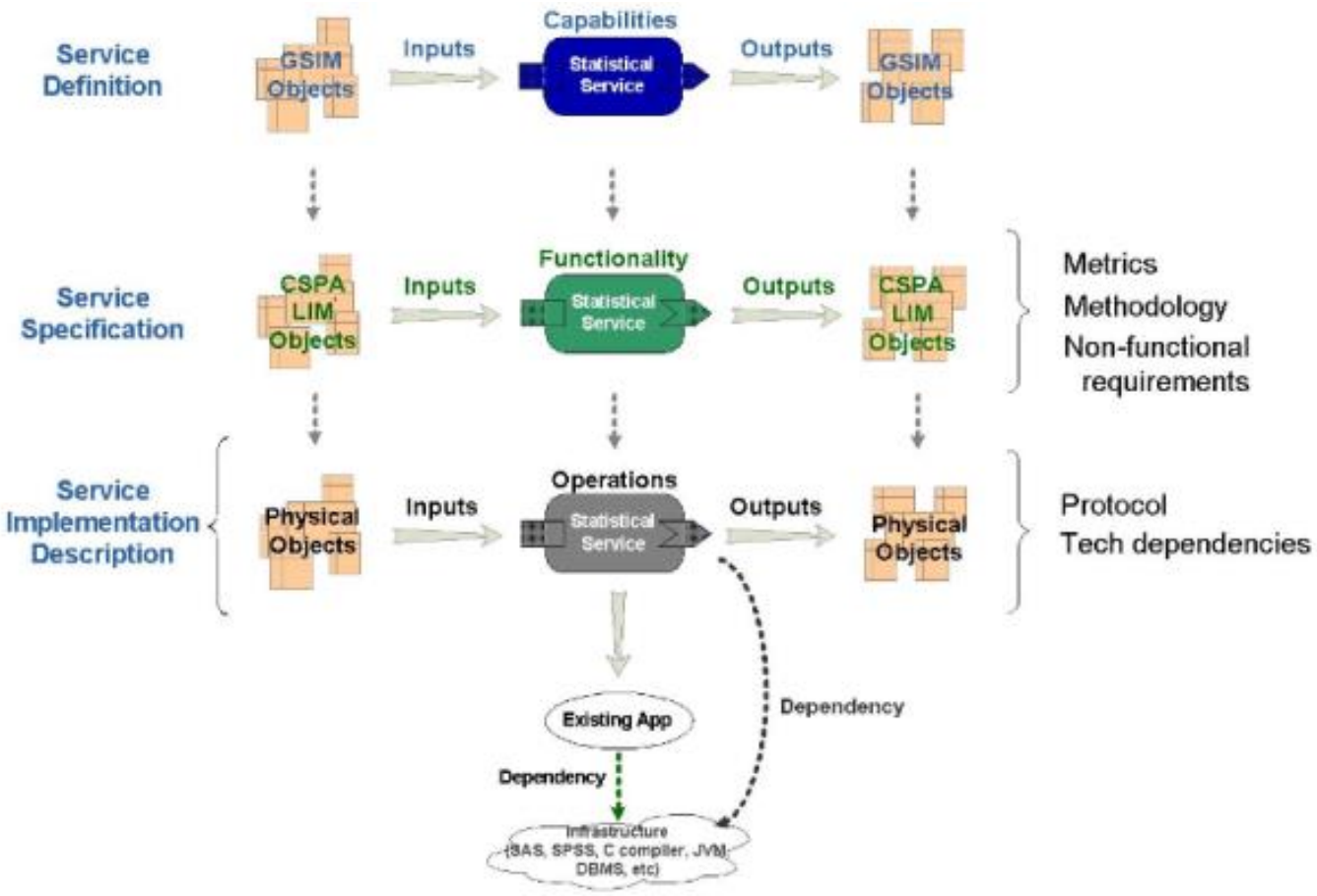


Design a service

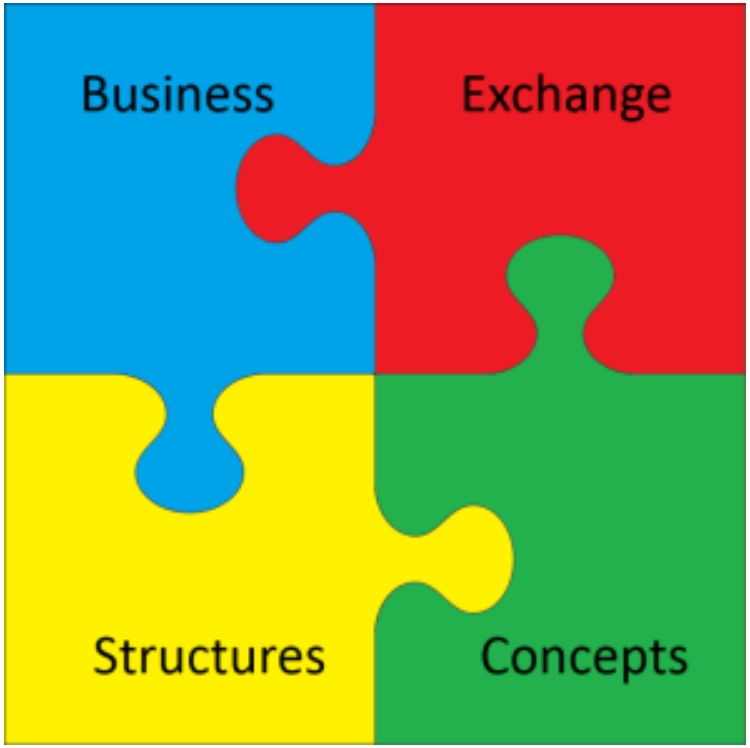
- What is the scope for the service?
- What information does the service need as input?
- What information does the service produce that another service need as input?

- We need a common language to describe the information objects in the process and services → GSIM and LIM.

Steps when creating a service



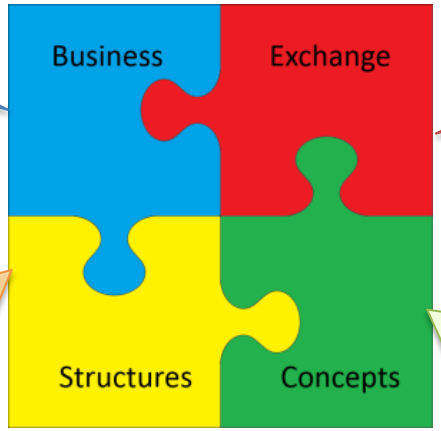
Generic Statistical Information Model - GSIM



GSIM content

Capture the designs and plans of statistical programs, and the processes undertaken to deliver those programs. This includes the identification of a Statistical Need, the Business Processes that comprise the Statistical Program and the evaluations of them.

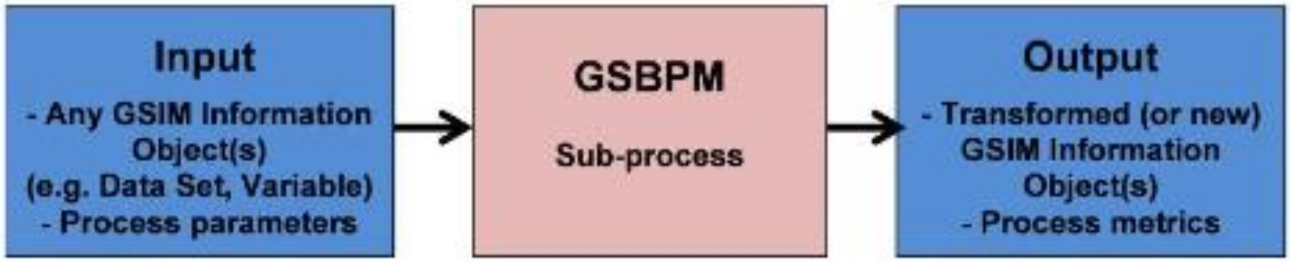
Catalogue the information that comes in and out of a statistical organization via Exchange Channels. It includes objects that describe the collection and dissemination of information.

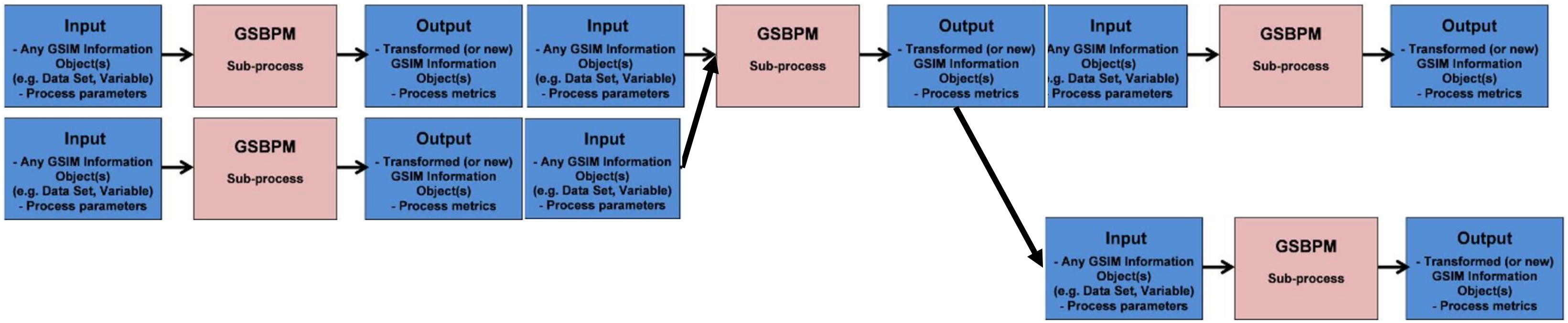


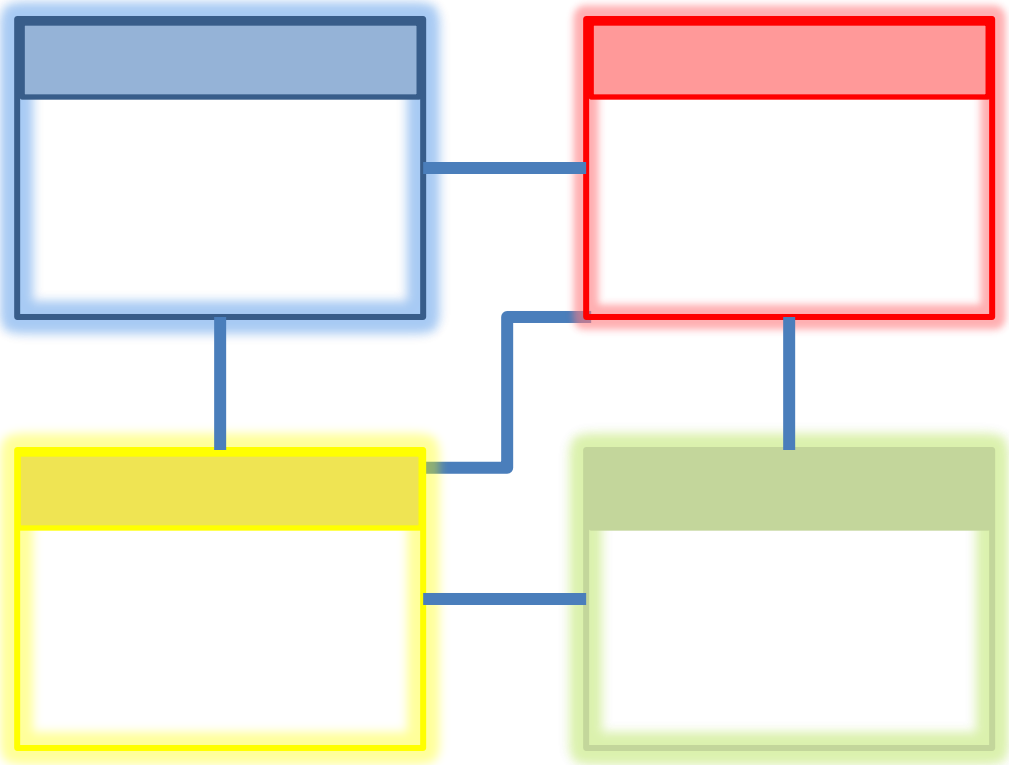
Describe and define the terms used in relation to information and its structure. Referential metadata.

Define the meaning of data, providing an understanding of what the data are measuring.

GSIM, GSBPM and information flows



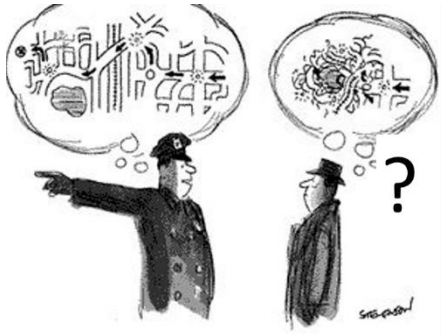


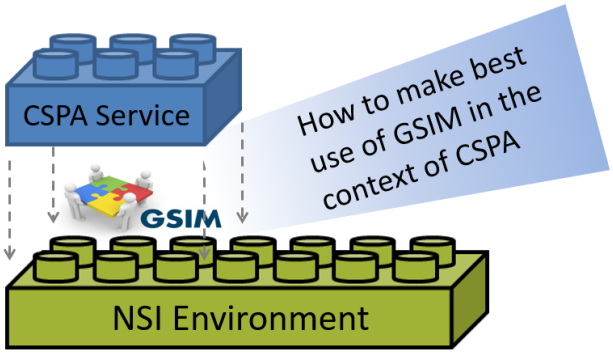


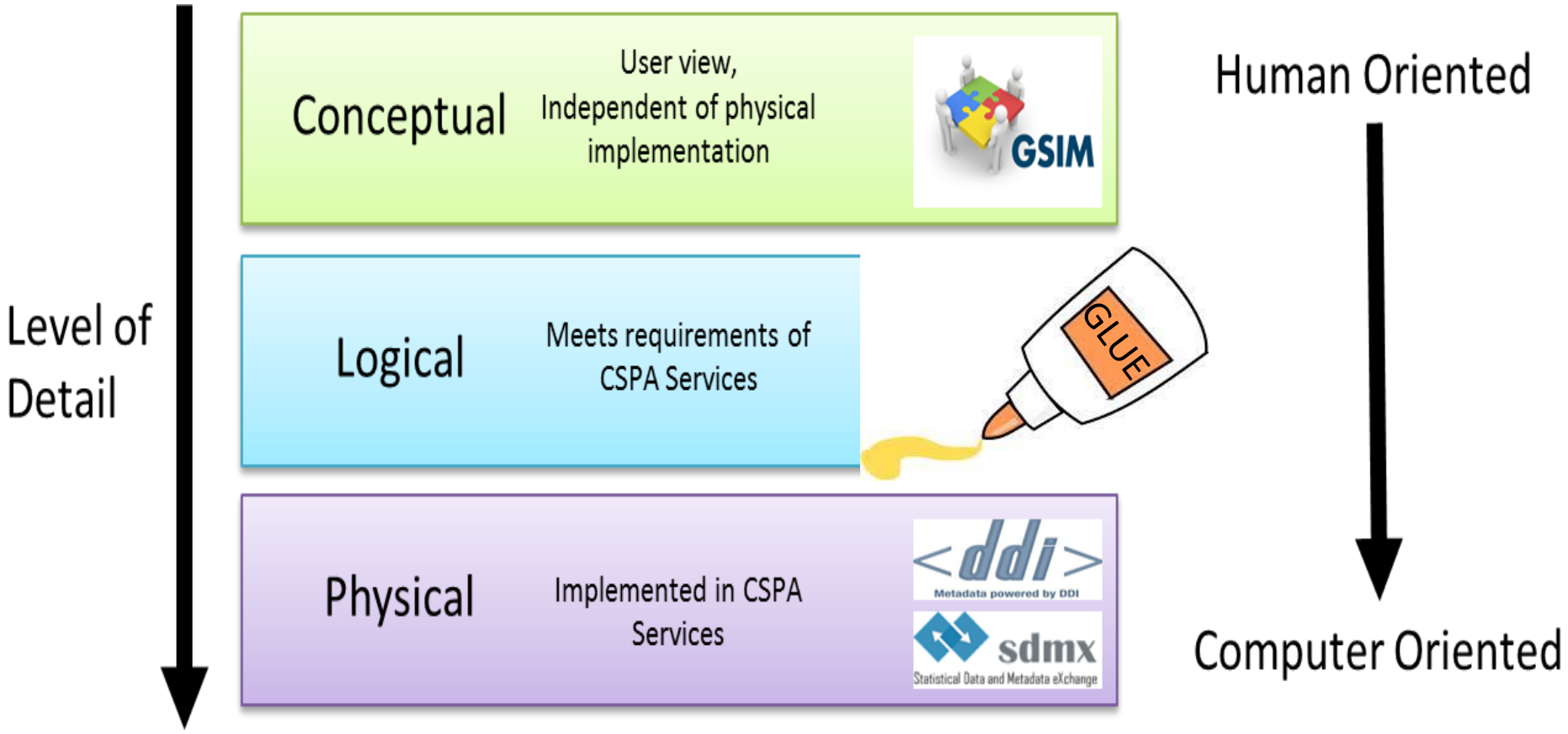
CSPA Logical Information Model

Why LIM

- The gap between the conceptual nature of the GSIM and the practical implementation focus of the CSPA was too wide.
- To bridge this gap, a new layer, a Logical Information Model (LIM), was needed.






Level of Detail
Conceptual
User view, Independent of physical implementation
GSIM
Logical
Meets requirements of CSPA Services
GLUE
Physical
Implemented in CSPA Services
<ddi>
Metadata powered by DDI
sdmx
Statistical Data and Metadata eXchange
Human Oriented
Computer Oriented

LIM

- The aim of the LIM is to translate the conceptual GSIM information objects into physical specifications of the information that flows in and out of statistical services.
- LIM describes the information objects and logical relationships required to support a CSPA service, in a manner which is consistent with GSIM.
- LIM is independent of the terminology used in existing standards such as SDMX and DDI.

LIM development criteria

- CSPA services development roadmap
- Statistical agencies internal service development roadmap
- Reusability factor
- Coverage provided by existing standards

- Build the LIM as we need it!
- Not all GSIM information objects will make it to LIM.

For each service:

- Stage 1:
  - Determine the information inputs and outputs
  - Look at which standards are in scope
  - Provide relevant part of the LIM to the service builder, as well as the recommended physical representation
- Stage 2:
  - Consult more broadly
  - On acceptance, make it CSPA mandated

Status for LIM

LIM Packages	Status at end 2015	Status at 2017
Base	Complete	Complete
Business	Not started	Not started
Process	Complete	Complete
Data and Structural Metadata	Complete	Complete
Referential metadata	Not started	Not started
Exchange	Not started	Not started
Questionnaire	Not started	Not started (planned for 2016 Service Questionnaire generation)
Concept	Complete	Complete
Variable	Not started	In progress

Thank you!

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