Information Flows in CSPA
Wiesbaden 3-5 July
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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
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.

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

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

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.

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.
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

<table>
<thead>
<tr>
<th>LIM Packages</th>
<th>Status at end 2015</th>
<th>Status at 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>Business</td>
<td>Not started</td>
<td>Not started</td>
</tr>
<tr>
<td>Process</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>Data and Structural Metadata</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>Referential metadata</td>
<td>Not started</td>
<td>Not started</td>
</tr>
<tr>
<td>Exchange</td>
<td>Not started</td>
<td>Not started</td>
</tr>
<tr>
<td>Questionnaire</td>
<td>Not started</td>
<td>Not started (planned for 2016 Service Questionnaire generation)</td>
</tr>
<tr>
<td>Concept</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>Variable</td>
<td>Not started</td>
<td>In progress</td>
</tr>
</tbody>
</table>
Thank you!

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