

Geostat 3

**NL, Niek van Leeuwen and Pieter
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Centraal Bureau
voor de Statistiek

Aim

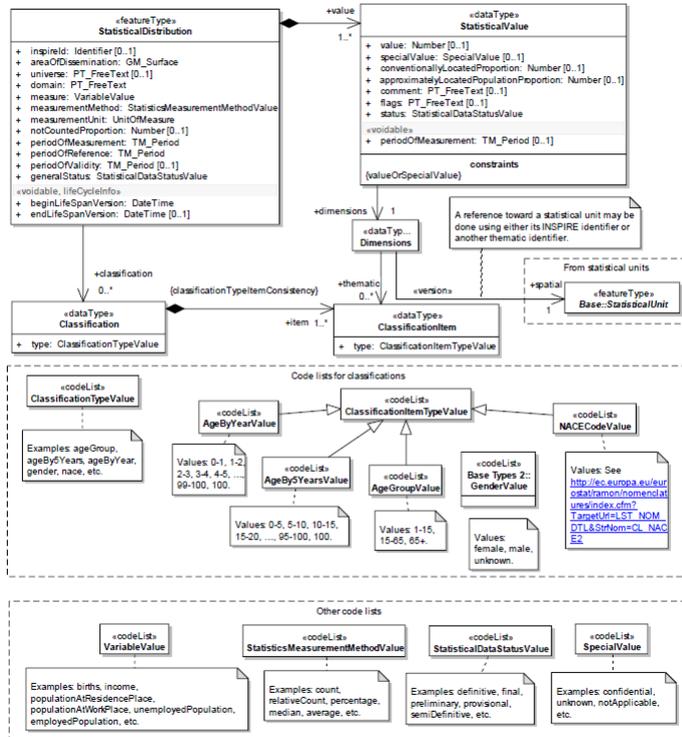
Testing coupling of a:

- SDMX table to a
- 1 km² grid OGC webservice
- using Table Joining Services .

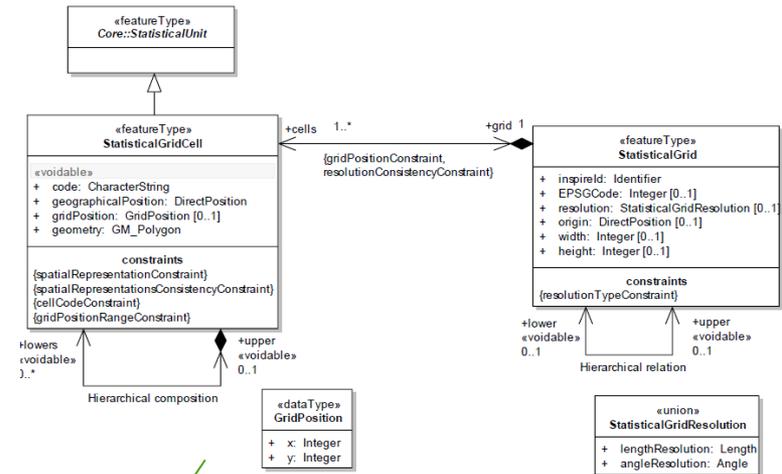


Where is the map?

INSPIRE		Reference: D2.8.III.10_v3.0	
TWG-PD	Data Specification on <i>Population Distribution</i>	2013-12-10	Page 19



INSPIRE		Reference: D2.8.III.1_v3.0	
TWG-SU	Data Specification on <i>Statistical Units</i>	2013-12-10	Page 19



Using a Table Joining Service

No mandatory coupling between tables and map.

Different approaches to generate a map service containing data:

- Couple each table separately and publish OGC service.
- Use an on demand automated coupling service.

We propose a Table Joining Service.

Easy map update when updating an open data table or publishing an open data table.



How to proceed

- Table: SDMX file of Census requested data per grid
- Map service: INSPIRE conform 1 km grid of NL (EU?)
- TJS: Installed version at PDOK (national organisation hosting INSPIRE services)

- Results: What problems need to be tackled.
- Limited time.

SDMX: Questions when applying to grids

1. Eurostat is working on a Data Structure Definition of SDMX for publishing Census 2021 Grid data. What are the proceedings?
2. Can we contribute with SEX, AGE and GEO as dimensions.
3. Is a CodeList for geocodes mandatory. NL has 39.600 km² codes.
4. May we deliver separate hypercubes on GEO, SEX and GEO, AGE.
5. Is version 2.0 of SDMX used or version 2.1.
6. Is SDMX DSD fully mapped on INSPIRE PD data types.
7. Is an INSPIRE validator for SDMX available, now only for GML.
8. Will INSPIRE code lists have the same content as SDMX code lists.



Scenario's

A. There is no DSD for SDMX.

1. NL attributes in the development of the DSD.
2. A CSV table will be used to continue with B2 and B3.

B. There is a DSD available (within due time).

1. Fill SDMX with GEO, SEX and AGE for a small part of NL.
2. Launch a geoservice of ETRS 1km² grid of Netherlands at PDOK or ETRS 1km² grid of Europe at another hosting party (ELF/Oskari)?
3. Use Oskari/ELF SDMX conversion code within PDOK TJS

Demo

[ELF TJS implementation](#)

[PDOK TJS implementation](#)

