Managing Statistical Classifications and Code Lists

Statistics Norways new GSIM-based system

**Statistisk sentralbyrå
Statistics Norway**

Why make a new system now?

- Technical problems and complicated maintenance

- Improve management and reuse of code lists

- Integration with production processes

- Better user interface

- Contribute to a more uniform use of classifications in the public sector

The new system is based on

- the GSIM – Statistical Classification model

- our experience from 15 years use of our old classification system

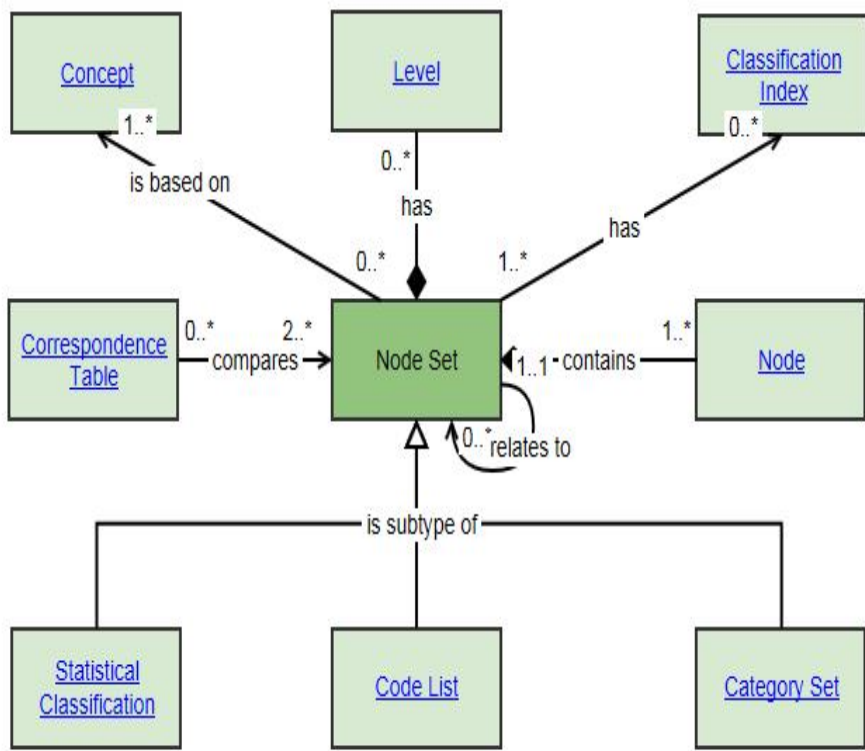- mapping of user needs for integration in production process

UNECE Statistics Wikis   Spaces ▼   Browse ▼   Create

Log in

Clickable GSIM

Quick Links to other GSIM resources

GSIM

GSIM Specification

> All GSIM objects (click arrow to expand)

Definition

- **Project started spring 2015**

- **Building started August 2015**

- **System to be released October 2016**

The system consists of

- Database for documenting and managing Statistical Classifications and Code Lists (Node Sets)

- API for machine to machine communication

- Web page (klass.ssb.no) for searching and downloading Node Sets

- Some attributes were left out completely because they had not proved useful (e.g. key words)

- Some attributes are not shown as attributes, but the system itself will manage (keep track of) the information (e.g. predecessor) and updates (by logging changes).

Attributes:

Node Set:

Node Set type
Name
Description
Subject area
Contact person
Maintenance unit
Statistical unit
Primary language

Shortnames?
Notes?
Copyright

Node Set version:

Name
Description
Valid from
Valid to
Based on*
Legal base*
Publication*
Languages published

Attributes (continued):

Correspondence Table:
Name
Description
Contact person
Maintenance unit
Languages published

Source (level) and target (level) defined when created

Simplification: Relation type set to M:N as default

Variant:
Name
Description
Contact person
Maintenance unit
Languages published

Implementation:

- More user-friendly interface for managing Node Sets

- Better user flexibility – API

- No floating versions of Statistical Classifications and Correspondence Tables. Too complicated/time consuming within resources available

- Limited possibilities for variants

Implementation continued:

- Classification Index not implemented

- More information about changes
    - Correspondence Tables
    - Logging

Implementation (administration) – new possibilities

- Logg use of Statistical Classifications and Code Lists

- Numbers and type of search words and whether they produce hits

- How many Node Sets are linked to which Unit Type

- Development of a CSPA (Common Statistical Production Architecture) Statistical Classification service

Name	Statistical Classification Service
Level	-
GSBPM	2.2 Design variable descriptions - Overarching process related to metadata management This sub-process defines ... any statistical classifications that will be used. It is expected that existing national and international standards will be followed wherever possible. ...
Business Function	Access Statistical Classifications and Code lists
Outcomes	List of Statistical Classification Identifiers with Release Date, Termination Date and Name in all available languages
Restrictions	None planned, but restrictions by administrative/life cycle status eg open for use/valid could be considered.
GSIM Inputs	CSPA LIM Concepts package
GSIM Outputs	CSPA LIM Concepts package (Classifications, Code lists etc)
Service dependencies	Requires a storage for Statistical Classifications.

Technical details

-   REST + HATEOAS/HAL based

-   CSPA-LIM Concepts package

-   JSON & XML

-   Single Spring-Boot application with UI

Management questions:

Premise:
- All Node Sets used in statistics production
must be collected from Klass

- The responsible statistical divisions will themselves
manage their own Node Sets

- How to make sure that the system is used ?
  - Formal decisions
  - Support
  - Follow-up

- What should be documented in the system?

- Should anyone approve what is documented?

- How to decide Node Set type?

- When do we define a new version?

- Hope to establish a group of users to discuss these matters and share experiences

- How do we encourage the rest of the public sector to use the relevant Statistical Classifications?

Statistisk sentralbyrå
Statistics Norway

SEARCH

> STATISTICS   > RESEARCH   > DATA COLLECTION   > ABOUT STATISTICS NORWAY   > MY PAGE

Frontpage > Classifications and codelists

Classifications and codelists

Lorem ipsum, her må det skrives en bedre tekst. I denne databasen kan du velge statistiske standarder og få informasjon om bruksområdet. Standardene kan også lastes ned til lokal bruk i et antall formater.

Search for classifications (and codelists)

Search   Search

Filter: ☐ Include codelists ❶

Responsible division

All divisions ▼

CONTACT ✉

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Navigate by subject area

Open hierarchy

+ Labour market and earnings (1)

+ Population (5)

+ Construction, housing and property (3)

+ Health (8)

al-klass-app-u1.ssb.no:8080/klass-ssb-no/#/sok?query=municipality&includeCodelists=false&ssbSection=

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Frontpage > Classifications and codelists > Søkeresultat

Classifications and codelists

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Search for classifications (and codelists)

| municipality | | Search |

Filter: ☐ Include codelists ⓘ

Responsible division
All divisions ▾

Resultat på "municipality" 16 stk

Classification of county municipality

A county municipality is a political and administrative level in public administration. County municipalities are...

Classification of municipality groups

Classification of municipality groups

Classification of municipalities

Municipality is both a term for a political and an administrative level in Norway and a regional level in the pu...

Classification of statistical tract and basic statistical unit

There are about 14 000 basic statistical units and 1 550 statistical tracts in Norway.The purpose of dividing th...

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SUBSCRIPTION

Subscribe for changes in codelist

| E-mail |

Subscribe

al-klass-app-u1.ssb.no:8080/klass-ssb-no/#/klassifikasjoner/262/koder

Statisk enhet: **Foretak**

Choose language for code: English ▾

Classification of municipalities

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Phone: 62885265

Municipality is both a term for a political and an administrative level in Norway and a regional level in the publication of statistics.

+ READ MORE

SUBSCRIPTION

Subscribe for changes in codelist

E-mail

Current version: (Valid from 1. januar 2014)

Subscribe

Municipalities 2014

| Codes | About version | Changes | Other versions | Correspondences | Variants |

Filter by code or name   Filter   Reset

☐ Show short titles

Open hierarchy   Download to Excel (csv)

0101 - Halden

0104 - Moss

0105 - Sarpsborg

0106 - Fredrikstad

0111 - Hvaler

0118 - Aremark

Frontpage > Classifications and codelists > Classification of municipalities

Statisk enhet: **Foretak**

Classification of municipalities

Municipality is both a term for a political and an administrative level in Norway and a regional level in the publication of statistics.

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Current version: (Valid from 1. januar 2014)

Municipalities 2014

| Codes | About version | **Changes** | Other versions | Correspondences | Variants |

The differences between the current version and previous version

Invert table

1.januar 2014	1.januar 2013
1739 - Raarvihke - Røyrvik	**1739** - Røyrvik
1939 - Storfjord - Omasvuotna - Omasvuono	**1939** - Storfjord

Choose language for code: English ▼

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Subscribe for changes in codelist

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Current version: (Valid from 1. januar 2014)

Municipalities 2014

| Codes | About version | Changes | **Other versions** | Correspondences | Variants |

Other versions of Classification of municipalities

Valid from	Valid to	Name
1.januar 2014	Forstatt gyldig	Municipalities 2014
1.januar 2013	1.januar 2014	Municipalities 2013
1.januar 2012	1.januar 2013	Municipalities 2012
1.januar 2008	1.januar 2012	Municipalities 2008
1.januar 2006	1.januar 2008	Municipalities 2006
1.januar 2005	1.januar 2006	Municipalities 2005
1.januar 2003	1.januar 2005	Municipalities 2003
1.januar 2002	1.januar 2003	Municipalities 2002

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Statisk enhet: **Foretak**

Classification of municipalities

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+ READ MORE

Current version: (Valid from 1. januar 2014)

Municipalities 2014

| Codes | About version | Changes | Other versions | **Correspondences** | Variants |

Correspondences

En kort tekst som forteller hva en korrespondansetabell er på engelsk.

Correspondences from	Correspondences to	Owner
Municipalities 2014	Statistical tract and basic statistical unit 2014	Owning section 320
Municipalities 2014	Urban districts 2004	Owning section 320
Municipalities 2014	Statistical tract and basic statistical unit 2014	Owning section 320
Municipalities 2014	Statistical tract and basic statistical unit 2016	Owning section 320

Choose language for code: English ▼

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SUBSCRIPTION

Subscribe for changes in codelist

E-mail

Subscribe

Municipalities 2014 - Urban districts 2004

Responsible: Hartvedt, Henning, section for 320
Published on: Bokmål,Nynorsk,Engelsk

[Invert table]   [Download to Excel (csv)]

Municipalities 2014	Urban districts 2004
0301 - Oslo	**030101** - Gamle Oslo
	030102 - Grünerløkka
	030103 - Sagene
	030104 - St. Hanshaugen
	030105 - Frogner
	030106 - Ullern
	030107 - Vestre Aker
	030108 - Nordre Aker
	030109 - Bjerke
	030110 - Grorud
	030111 - Stovner
	030112 - Alna
	030113 - Østensjø
	030114 - Nordstrand
	030115 - Søndre Nordstrand
	030116 - Sentrum
	030117 - Marka
	030199 - Unknown
1103 - Stavanger	**110301** - Hundvåg
	110302 - Tasta
	110303 - Eiganes og Våland
	110304 - Madla
	110305 - Storhaug
	110306 - Hillevåg
	110307 - Hinna
	110399 - Unknown
1201 - Bergen	**120101** - Arna

Municipalities 2014 - Urban districts 2004

Responsible: Hartvedt, Henning, section for 320
Published on: Bokmål,Nynorsk,Engelsk

[Invert table] [Download to Excel (csv)]

Urban districts 2004	Municipalities 2014
030101 - Gamle Oslo	**0301** - Oslo
030102 - Grünerløkka	**0301** - Oslo
030103 - Sagene	**0301** - Oslo
030104 - St. Hanshaugen	**0301** - Oslo
030105 - Frogner	**0301** - Oslo
030106 - Ullern	**0301** - Oslo
030107 - Vestre Aker	**0301** - Oslo
030108 - Nordre Aker	**0301** - Oslo
030109 - Bjerke	**0301** - Oslo
030110 - Grorud	**0301** - Oslo
030111 - Stovner	**0301** - Oslo
030112 - Alna	**0301** - Oslo
030113 - Østensjø	**0301** - Oslo
030114 - Nordstrand	**0301** - Oslo
030115 - Søndre Nordstrand	**0301** - Oslo

Description:	Municipality is both a term for a political and an administrative level in Norway and a regional level in the publication of statistics. Pursuant to the Local Government Act § 3 # 3 was the 7th March 2014 adopted trilingual municipality name Omasvuotna Storfjord Omasvuonon (Sami Norwegian Kven) in 1939 Storfjord and 13 June 2014 adopted bilingual municipality name Raarvihke Røyrvik (Sami Norwegian) in 1739 Røyrvik municipality .
Owner:	Hartvedt, Henning, section for 320
Valid from:	1 januar 2014
Published on:	Bokmål,Nynorsk,Engelsk
Based on:	Not relevant
Legal base:	Not relevant
Publications:	http://www.ssb.no/emner/00/90/rapp_9913/ http://www.ssb.no/emner/00/00/20/nos_c513/Rapporter 99/13 "Historisk oversikt over kommune- og fylkesinndelingen"(Historical Overview of Municipal and County Division) og the NOS-publication (C 513) "Regionale inndelinger"(Regional Classifications)

Levels:

No.	Name	Description	Structure	Number of units
1	Municipality			

Change log:

Date	Time	Comments
30.juni 2016	13:58:47	Ingen faktisk endring
08.juli 2016	13:17:7	korrigering