

# StatDCAT-AP

## Final Working Group meeting

14 November 2016



# Opening, agenda, tour de table

# Agenda

- Opening
- Tour de table
- Objectives
- Discussion of open issues
- Next steps
- Closing

# Tour de table





# Objectives

# Objectives

- Discuss and agree on the resolution of the issues created based on the comments received during the public review period.
- Define next steps and finalise the StatDCAT-AP specification.



# Discussion of open issues

## Discussion of open issues

The issues are divided in four groups:

- Issues for which we propose changes (Accept/Reject)
- Issues for which we propose the inclusion of clarifications
- Issues that need further work
- Additional issues/errors that will be corrected



# 1. Definition & label of property `stat:statMeasure`

1. Link: <https://joinup.ec.europa.eu/node/156473/>

2. Issue: The property `stat:statMeasure` is defined as "unit of measurement" not as SDMX/Data Cube `measure`.

## 3. Proposal:

- Rename `statMeasure` to `statUnitMeasure`.
- Add a property that is equivalent with SDMX/Data Cube `measure`.

## 4. Proposed resolution:

- Accept proposal, rename property to `stat:statUnitMeasure`.
- Consider adding 'measure' property for future revisions of StatDCAT-AP.

## 2. Property `stat:statMeasure` on Distribution

1. Link: <https://joinup.ec.europa.eu/node/153937/>

2. Issue: The property `stat:statMeasure` is a characteristic of the Dataset and applies to all Distributions.

### 3. Proposal:

- Define the property on Distribution to allow different Distributions to use different units of measurement.

### 4. Proposed resolution:

- Reject proposal.
- Respond with clarification that attributes, dimensions and measures are 'conceptual' entities that apply to all distribution formats, e.g. in case a dataset is provided both in SDMX and in Data Cube, and therefore fit better on the Dataset level.

## 3. Properties `stat:dimension` and `stat:attribute` on RDF Distribution

1. Link: <https://joinup.ec.europa.eu/node/153934/>
2. Issue: On RDF Distribution `stat:dimension` and `stat:attribute` could be replaced by link to `qb:DataStructureDefinition`.

### 3. Proposal:

- Use `dct:conformsTo` to link to `qb:DataStructureDefinition` instead of `stat:dimension` and `stat:attribute` for RDF Distributions.

### 4. Proposed resolution:

- Reject proposal.
- Respond with clarification that using the `stat` properties for all types of distributions preserves coherence across formats; a RDF distribution may use `dct:conformsTo` in addition.

## 4. Definition of numSeries property

1. Link: <https://joinup.ec.europa.eu/node/156471/>

2. Issue: Definition is not formally correct.

### 3. Proposal:

- Define as: "Cartesian Product of the number of modalities of each dimension, excluding what Data Cube calls the measure dimension (that denotes which particular measure is being conveyed by the observation)". The numSeries is the actual number of series in the data set as referenced in the Distribution. This is usually less than the theoretical number calculated as the Cartesian Product (and sometimes significantly less). The actual number of series is, when combined with the dimension list, a useful indication of the detail of the data in the data set.

### 4. Proposed resolution:

- Accept proposal.
- Change definition in specification

## 5. Choice between `xsd:date` and `xsd:dateTime`

1. Link: <https://joinup.ec.europa.eu/node/156467/>
  2. Issue: Specification allows both `xsd:date` and `xsd:dateTime`
  3. Proposal:
    - Make a clear choice between the two based on statistical use cases.
  4. Proposed resolution, one of:
    - Leave both options in specification; preserves maximum interoperability with DCAT-AP-compliant systems as those already need to support both options.
    - Choose `xsd:dateTime`; requires indication of time always (possibly default e.g. 00:00:00 or 23:59:59 if not known).
- Note `xsd:date` cannot be chosen as this does not support publication more than once per day.

## 6. **stat:attribute/dimension versus qb:attribute/dimension**

1. Link: <https://joinup.ec.europa.eu/node/156469/>
2. Issue: why are these properties defined in the stat: namespace and does StatDCAT-AP not use the Data Cube properties directly?
3. Proposed resolution:
  - Add clarification in the specification that the qb: properties are defined in the context of a DataStructureDefinition and that using them in a different context received negative advice from the Data Cube editors.

## 7. Properties `stat:dimension/attribute` for non-RDF distributions?

1. Link: <https://joinup.ec.europa.eu/node/153933/>

2. Issue: can these properties, and StatDCAT-AP in general, only be used on RDF distributions?

3. Proposed resolution:

- Add clarification in section 6.1 that StatDCAT-AP can be used to describe datasets in any format, including SDMX, Data Cube, CSV and other formats.
- Add clarification in section 6.2.1 that these properties can be used irrespective of the format of the Distribution; add examples of how the values would be extracted from SDMX.

## 8. Specifying the length of time series

1. Link: <https://joinup.ec.europa.eu/node/153788/>
2. Issue: how can weekly and quarterly series be expressed?
3. Proposed resolution:
  - Add clarification in section 6.2.4 how the combination of temporal coverage and frequency can be used to express all types of time series.



## 9. Relationship StatDCAT-AP and Data Cube

1. Also issue **10** and **11**
2. Links: <https://joinup.ec.europa.eu/node/153935/>,  
<https://joinup.ec.europa.eu/node/156468/> and  
<https://joinup.ec.europa.eu/node/153932/>
3. Issue: How are dcat:Dataset, qb:DataSet, dcat:Distribution and qb:DataStructureDefinition related?
4. Proposed resolution:
  1. Add full example of a StatDCAT-AP-compliant description of a Data Cube DataSet.
  2. Respond that further advice may come out of the W3C SDSVoc workshop in Amsterdam 30 November-1 December 2016.

## 12. Relationship between StatDCAT-AP and DDI

1. Link: <https://joinup.ec.europa.eu/node/155606/>

2. Issue: How can DDI descriptions of datasets be expressed using StatDCAT-AP.

3. Proposed resolution:

- Respond that contacts have been established with the DDI initiative, which may lead to development of an additional Annex in the future.
- No change in the specification.

## 13. Full RDF expression of SIMS

1. Link: <https://joinup.ec.europa.eu/node/156476/>
2. Issue: Suggests development of a full RDF expression of SIMS.
3. Proposed resolution:
  - Respond that this is out of scope for the StatDCAT-AP activity but may be taken up by others.
  - No change in the specification.

## 14. SIMS as part of the StatDCAT vocabulary

1. Link: <https://joinup.ec.europa.eu/node/156474/>
2. Issue: Suggests that SIMS could be a part of StatDCAT-AP.
3. Proposed resolution:
  - Respond that this may be considered in future work in relation with more elaborate treatment of quality aspects.
  - No change in the specification.

## 15. Modelling SDMX Metadataflow in StatDCAT-AP

1. Link: <https://joinup.ec.europa.eu/node/156474/>
2. Issue: Suggests an extension to model the SDMX metadata flow in StatDCAT-AP.
3. Proposed resolution:
  - The subject of SIMS has been raised in Issues 13 and 14 and the relevance of support for the SDMX Metadataflow will be taken into account when assessing how best to expand the support for quality metadata in the next version of StatDCAT-AP.
  - No change in the specification.

## 16. Visualisation for other types of datasets

1. Link: <https://joinup.ec.europa.eu/node/153936/>
2. Issue: Suggests that the approach to identify visualisations is also relevant for other types of data sets, not just statistical datasets.
3. Proposed resolution:
  - Respond that this suggestion will be considered in further development of DCAT-AP.
  - No change in the specification.

## Editorial comments

- 17. Typo DVAT
    - Link: <https://joinup.ec.europa.eu/node/156475/>
  - 18. Property schema:population in UML class diagram
    - Link: <https://joinup.ec.europa.eu/node/153938/>
  - 19. Example of Visualisation
    - Link: <https://joinup.ec.europa.eu/node/153939/>
  - 20. Missing namespaces
    - Link: <https://joinup.ec.europa.eu/node/153940/>
- Proposed resolution for all the errors/editorial comments:
- All reported errors will be corrected.

## Next steps

- Finalise the StatDCAT-AP specification by addressing the received comments from today's call.
- Publish the specification on Joinup in December.



# Further work

*Share your ideas!*



# **ISA<sup>2</sup> programme**

*You click, we link*

<http://ec.europa.eu/isa>

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@EU\_ISA2

Unit B6, Directorate-General for  
Informatics,  
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# Promoting semantic interoperability in Europe

## Visit our initiatives

<b>ADMS</b> ASSET DESCRIPTION METADATA SCHEMA	<b>StatDCAT-AP</b> FOR STATISTICAL DATASETS	<b>GeoDCAT-AP</b> FOR GEOSPATIAL DATASETS	<b>DCAT-AP</b> FOR DATA PORTALS IN EUROPE	<b>CORE</b> PUBLIC ORGANISATION VOCABULARY
<b>CORE</b> PERSON VOCABULARY	<b>CORE</b> BUSINESS VOCABULARY	<b>CORE</b> CRITERION & EVIDENCE VOCABULARY	<b>CORE</b> LOCATION VOCABULARY	<b>CORE</b> PUBLIC SERVICE VOCABULARY

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