# Table of Contents

1 Summary ........................................... 3
   1.1 Contact ........................................... 3
   1.2 References ........................................... 3

2 Changelog ........................................... 5
   2.1 03/07/2019 ........................................... 5
   2.2 12/11/2018 ........................................... 5
   2.3 05/11/2018 ........................................... 5

3 Classes ........................................... 7
   3.1 Dataset ........................................... 7
   3.2 Distribution ........................................... 8
   3.3 Period ........................................... 9
   3.4 LegalFoundation ........................................... 9
   3.5 Checksum ........................................... 9

4 Changes ........................................... 11
   4.1 Changes from the DCAT-AP-DONL 1.0 standard ........................................... 11
      4.1.1 New properties ........................................... 11
      4.1.2 Changed properties ........................................... 12
      4.1.3 Removed properties ........................................... 12
   4.2 Changes from the DCAT-AP-NL 1.1 standard ........................................... 12
      4.2.1 New properties ........................................... 13
      4.2.2 Changed properties ........................................... 13
      4.2.3 Removed properties ........................................... 15

5 Workflow ........................................... 17
   5.1 Dataset identifier ........................................... 17
   5.2 Multilingual support ........................................... 17

6 Valuelists ........................................... 21

7 Implementation ........................................... 23
The DCAT application profile for data.overheid.nl\footnote{https://data.overheid.nl}. 
CHAPTER 1

Summary

This documentation describes the DCAT application profile named DCAT-AP-DONL 1.1. This is a metadata standard based on the DCAT application profile DCAT-AP-NL 1.1. The application profile aims to reduce data duplication and to standardize values of properties wherever possible, this to improve its usefulness for linked data applications.

DCAT-AP-DONL 1.1 is the DCAT application profile used by Data.Overheid.nl\(^2\), which is the dataset portal of the Dutch government. It is also implemented as a CKAN extension which is available to the public on the Textinfo Gitlab server\(^3\).

This documentation provides the exact details of the application profile and explains in what way it deviates from DCAT-AP-NL 1.1 and DCAT-AP-DONL 1.0 (its previous version).

1.1 Contact

For questions or comments regarding this DCAT application profile please contact KOOP at:

- **Online** koopoverheid.nl\(^4\)
- **Email** opendata@overheid.nl
- **Telephone** (070) 7000 526

1.2 References

- Data.Overheid.nl\(^5\)
- DCAT-AP-NL 1.1\(^6\)

---

\(^2\) https://data.overheid.nl
\(^3\) https://gitlab.textinfo.nl/opensource/ckanext-dcatdonl/
\(^4\) https://www.koopoverheid.nl/
\(^5\) https://data.overheid.nl
\(^6\) http://dcat-ap-nl.nl
DCAT-AP-DONL Documentation

- CKANEXT-DCATDONL documentation\(^7\)
- CKANEXT-DCATDONL repository\(^8\)

\(^7\) https://ckanext-dcatdonl.readthedocs.io
\(^8\) https://gitlab.textinfo.nl/opensource/ckanext-dcatdonl/
The following changes have been applied over time to the standard and/or its documentation.

### 2.1 03/07/2019

- Introduced a new property for the Dataset class: `nationalCoverage`. This property is an optional boolean. When this property is not present in a dataset it is considered ‘false’.

### 2.2 12/11/2018

- The property `keyword` was incorrectly listed as mandatory. It has been updated to accurately describe its recommended status.

### 2.3 05/11/2018

- The `downloadURL` property of a Distribution was incorrectly listed as having a 1..n cardinality, this has been corrected to 0..n to accurately reflect its recommended state.

- Further clarified the Period class. This class consists of only recommended properties but has additional rules which state that at least one of these properties should be present. An empty Period class is considered invalid.

- Introduced three new properties for the Dataset class, `highValue`, `basisRegister` and `referentieData`. These new properties are optional boolean properties. When these properties are not present in a dataset they are considered ‘false’.

- The property `rights` of Distribution was incorrectly listed as mandatory, this property is recommended. Its state and cardinality have been corrected.
DCAT-AP-DONL 1.1 is based on the DCAT-AP-NL 1.1 standard. As such it inherits all the specifications from said standard. DCAT-AP-DONL 1.1 does modify the classes ‘Dataset’ and ‘Distribution’. The specifications of the DCAT-AP-DONL versions of these classes will now be handled. Given the fact that DCAT-AP-DONL must remain compatible with DCAT-AP-NL and by extension DCAT-AP-EU, these changes will not be groundbreaking.

In the schemas of the classes a column exists named ‘Man.’. This details whether a property is Mandatory (man), Recommended (rec) or Optional (opt).

There are direct references in the schemas below to the classes Period, LegalFoundation and Checksum, for the sake of clarity these are included in this documentation, however, these are direct copies of their counterparts in the DCAT-AP-NL standard.

### 3.1 Dataset

The properties and their acceptable values are outlined below:

<table>
<thead>
<tr>
<th>Property</th>
<th>Man.</th>
<th>Card.</th>
<th>URI</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>identifier</td>
<td>man</td>
<td>1..1</td>
<td>dct:identifier</td>
<td>xsd:anyURI</td>
</tr>
<tr>
<td>title</td>
<td>man</td>
<td>1..1</td>
<td>dct:title</td>
<td>xml:string</td>
</tr>
<tr>
<td>description</td>
<td>man</td>
<td>1..1</td>
<td>dct:description</td>
<td>xml:string</td>
</tr>
<tr>
<td>keyword</td>
<td>rec</td>
<td>0..n</td>
<td>dcat:keyword</td>
<td>xml:string</td>
</tr>
<tr>
<td>metadataLanguage</td>
<td>man</td>
<td>1..1</td>
<td>dct:language</td>
<td>donl:language</td>
</tr>
<tr>
<td>language</td>
<td>man</td>
<td>1..n</td>
<td>dct:language</td>
<td>donl:language</td>
</tr>
<tr>
<td>theme</td>
<td>man</td>
<td>1..n</td>
<td>dcat:theme</td>
<td>overheid:taxonomiebeleidsagenda</td>
</tr>
<tr>
<td>modificationDate</td>
<td>man</td>
<td>1..1</td>
<td>dct:modified</td>
<td>xsd:date (ISO 8601)</td>
</tr>
<tr>
<td>authority</td>
<td>man</td>
<td>1..1</td>
<td>overheid:authority</td>
<td>donl:authority</td>
</tr>
<tr>
<td>publisher</td>
<td>man</td>
<td>1..1</td>
<td>dct:publisher</td>
<td>donl:authority</td>
</tr>
<tr>
<td>contactPoint</td>
<td>man</td>
<td>1..1</td>
<td>dcat:contactPoint</td>
<td>vcard:Kind</td>
</tr>
<tr>
<td>accessRights</td>
<td>rec</td>
<td>0..1</td>
<td>dct:accessRights</td>
<td>overheid:openbaarheidsniveau</td>
</tr>
<tr>
<td>datasetStatus</td>
<td>rec</td>
<td>0..1</td>
<td>adms:status</td>
<td>overheid:datasetStatus</td>
</tr>
</tbody>
</table>
### 3.2 Distribution

The properties and their acceptable values are outlined below:

<table>
<thead>
<tr>
<th>Property</th>
<th>Man.</th>
<th>Card.</th>
<th>URI</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>accessURL</td>
<td>man</td>
<td>1..1</td>
<td>dcat:accessURL</td>
<td>xsd:anyURI</td>
</tr>
<tr>
<td>license</td>
<td>man</td>
<td>1..1</td>
<td>dct:license</td>
<td>overhead:license</td>
</tr>
<tr>
<td>title</td>
<td>man</td>
<td>1..1</td>
<td>dct:title</td>
<td>xml:string</td>
</tr>
<tr>
<td>description</td>
<td>man</td>
<td>1..1</td>
<td>dct:description</td>
<td>xml:string</td>
</tr>
<tr>
<td>language</td>
<td>man</td>
<td>1..n</td>
<td>dct:language</td>
<td>donl:language</td>
</tr>
<tr>
<td>format</td>
<td>man</td>
<td>1..1</td>
<td>dct:format</td>
<td>mdr:filetype</td>
</tr>
<tr>
<td>rights</td>
<td>rec</td>
<td>0..1</td>
<td>dct:rights</td>
<td>xml:string</td>
</tr>
<tr>
<td>status</td>
<td>rec</td>
<td>0..1</td>
<td>adms:status</td>
<td>adms:distributiestatus</td>
</tr>
<tr>
<td>releaseDate</td>
<td>rec</td>
<td>0..1</td>
<td>dct:issued</td>
<td>xsd:date (ISO 8601)</td>
</tr>
<tr>
<td>modificationDate</td>
<td>rec</td>
<td>0..1</td>
<td>dct:modified</td>
<td>xsd:date (ISO 8601)</td>
</tr>
<tr>
<td>byteSize</td>
<td>rec</td>
<td>0..1</td>
<td>dcat:byteSize</td>
<td>xml:number</td>
</tr>
<tr>
<td>downloadURL</td>
<td>rec</td>
<td>0..n</td>
<td>dcat:downloadUR</td>
<td>xsd:anyURI</td>
</tr>
<tr>
<td>mediaType</td>
<td>rec</td>
<td>0..1</td>
<td>dcat:mediaType</td>
<td>iana:mediatype</td>
</tr>
<tr>
<td>linkedSchemas</td>
<td>rec</td>
<td>0..n</td>
<td>dct:conformsTo</td>
<td>xsd:anyURI</td>
</tr>
<tr>
<td>checksum</td>
<td>opt</td>
<td>0..1</td>
<td>spdc:checksum</td>
<td>class Checksum</td>
</tr>
<tr>
<td>documentation</td>
<td>opt</td>
<td>0..n</td>
<td>foaf:page</td>
<td>xsd:anyURI</td>
</tr>
</tbody>
</table>
### 3.3 Period

The properties and their acceptable values are outlined below:

<table>
<thead>
<tr>
<th>Property</th>
<th>Man.</th>
<th>Card.</th>
<th>URI</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>label</td>
<td>rec</td>
<td>0..1</td>
<td>skos:concept</td>
<td>xml:string</td>
</tr>
<tr>
<td>startDate</td>
<td>rec</td>
<td>0..1</td>
<td>schema:startDate</td>
<td>xsd:date (ISO 8601)</td>
</tr>
<tr>
<td>endDate</td>
<td>rec</td>
<td>0..1</td>
<td>schema:endDate</td>
<td>xsd:date (ISO 8601)</td>
</tr>
</tbody>
</table>

As stated, the Period class consists of only recommended properties. However, when providing a Period for your dataset atleast one of these recommended properties must be provided. An empty Period class is considered invalid.

### 3.4 LegalFoundation

The properties and their acceptable values are outlined below:

<table>
<thead>
<tr>
<th>Property</th>
<th>Man.</th>
<th>Card.</th>
<th>URI</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ref</td>
<td>man</td>
<td>1..1</td>
<td>overheid:juriconnectverwijzing</td>
<td>xml:string</td>
</tr>
<tr>
<td>label</td>
<td>man</td>
<td>1..1</td>
<td>overheid:linktekst</td>
<td>xml:string</td>
</tr>
<tr>
<td>uri</td>
<td>man</td>
<td>1..1</td>
<td>foaf:page</td>
<td>xsd:anyURI</td>
</tr>
</tbody>
</table>

### 3.5 Checksum

The properties and their acceptable values are outlined below:

<table>
<thead>
<tr>
<th>Property</th>
<th>Man.</th>
<th>Card.</th>
<th>URI</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>hash</td>
<td>man</td>
<td>1..1</td>
<td>skos:concept</td>
<td>xml:string</td>
</tr>
<tr>
<td>algorithm</td>
<td>man</td>
<td>1..1</td>
<td>skos:concept</td>
<td>xml:string</td>
</tr>
</tbody>
</table>

All other classes of the DCAT-AP-DONL standard are fully inherited from the DCAT-AP-NL standard.
Changes from the related DCAT application profiles will be listed and motivated.

### 4.1 Changes from the DCAT-AP-DONL 1.0 standard

The changes from DCAT-AP-DONL 1.0 to DCAT-AP-DONL 1.1 are listed below.

**Note:** DCAT-AP-DONL 1.0 was surprisingly poorly documented, given this, the list below may not be fully accurate. This changelog is based on 2015-04-17 Mapping Modellen_0.xlsx.

#### 4.1.1 New properties

The following properties have been introduced

**Note:** Most of the new properties are due to changes in the parent standard DCAT-AP-NL 1.1. These changes will be listed, but not motivated.

- **Dataset:metadataLanguage** This new mandatory property forces providers to clarify which language is used in the metadata of a Dataset.
- **Dataset:alternativeIdentifier** From DCAT-AP-NL 1.1
- **Dataset:relatedResource** From DCAT-AP-NL 1.1
- **Dataset:source** From DCAT-AP-NL 1.1
- **Dataset:hasVersion** From DCAT-AP-NL 1.1
- **Dataset:isVersionOf** From DCAT-AP-NL 1.1
- **Dataset:documentation** From DCAT-AP-NL 1.1
4.1.2 Changed properties

Changes have been made to every property of DCAT-AP-DONL 1.0. See the new class definitions for the new version of the classes. The most important conceptual changes are detailed and motivated below

**Standardization of values** In order to combat the fifty different spellings of ‘Gemeente Nijmegen’ and the likes, most property ranges have been limited to a certain list of acceptable values. These lists of values contain URIs that reference resources that have acceptable values for the given property, e.g. http://standaarden.overheid.nl/owms/terms/Nijmegen_(gemeente).

**Promoting linked data** Most property ranges have been limited from `xml:string` to `xsd:anyURI`. Data.Overheid.nl prefers resolvable URIs from a linked data perspective.

4.1.3 Removed properties

The following properties have been removed

**Note:** Most of the removed properties are due to changes in the parent standard DCAT-AP-NL 1.1. These changes will be listed, but not motivated.

4.2 Changes from the DCAT-AP-NL 1.1 standard

The changes from DCAT-AP-NL 1.1⁹ to DCAT-AP-DONL 1.1 are listed below.

⁹ [http://dcat-ap-nl.nl](http://dcat-ap-nl.nl)
4.2.1 New properties

The following properties have been introduced

**Dataset:datasetStatus** This recommended property defines in which part of a lifecycle a dataset exists. A dataset can be available, planned unavailable or being researched. Use Dataset:datePlanned to indicate when a dataset is expected to receive the datasetStatus available.

**Dataset:datePlanned** This optional property defines the planned date at which this dataset becomes available. It is closely related to the datasetStatus planned, unavailable and being researched.

**Dataset:license** This new, mandatory, property was introduced for the Dataset class. It allows a license to apply to a dataset, rather than a Distribution, which already had the license property.

**Dataset:metadataLanguage** This new mandatory property forces providers to clarify which language is used in the metadata of a Dataset.

**Distribution:metadataLanguage** This new mandatory property forces providers to clarify which language is used in the metadata of a Distribution.

4.2.2 Changed properties

The following properties have been modified

**Dataset:title** The cardinality has been changed from 1..n to 1..1. Data.Overheid.nl demands that metadata is provided in only one language, therefore there is no longer any need to support multiple titles for one dataset.

**Dataset:description** The cardinality has been changed from 1..n to 1..1. Data.Overheid.nl demands that metadata is provided in only one language, therefore there is no longer any need to support multiple descriptions for one dataset.

**Dataset:theme** This property was changed from Recommended to Mandatory. Data.Overheid.nl requires at least one theme to properly categorize datasets. Because of this, its cardinality is changed from 0..n to 1..1.

**Dataset:authority** This property was changed from Recommended to Mandatory. It must always be clear who owns the dataset, therefore this property needs to be mandatory. Because of this, its cardinality is changed from 0..1 to 1..1.

**Dataset:publisher** This property was changed from Recommended to Mandatory. It must always be clear who published the dataset, therefore this property needs to be mandatory. Because of this, its cardinality is changed from 0..1 to 1..1.

**Dataset:contactPoint** This property was changed from Recommended to Mandatory. A published dataset needs to have a contactPoint so that questions and/or comments regarding a dataset have a place to go. Because of this, its cardinality is changed from 0..n to 1..1.

**Dataset:conformsTo** This property was changed from Optional to Recommended. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata. Furthermore, its range was narrowed to xsd:anyURI. Data.Overheid.nl prefers resolvable URIs from a linked data perspective.

**Dataset:alternativeIdentifier** This property was changed from Optional to Recommended. The alternativeIdentifier is important in the quest to minimise duplicate datasets. As such this property now has a higher classification to signify this.

**Dataset:relatedResource** This property was changed from Optional to Recommended. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata. Furthermore, its range was narrowed to xsd:anyURI. Data.Overheid.nl prefers resolvable URIs from a linked data perspective.
Dataset:source  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata. Furthermore, its range was narrowed to *xsd:anyURI*. Data.Overheid.nl prefers resolvable URIs from a linked data perspective.

Dataset:hasVersion  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata. Furthermore, its range was narrowed to *xsd:anyURI*. Data.Overheid.nl prefers resolvable URIs from a linked data perspective.

Dataset:isVersionOf  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata. Furthermore, its range was narrowed to *xsd:anyURI*. Data.Overheid.nl prefers resolvable URIs from a linked data perspective.

Dataset:releaseDate  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata.

Dataset:version  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata.

Dataset:version_notes  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a dataset as possible. This is purely a semantic change to inspire providers to provide more metadata.

Distribution:license  This property was changed from *Recommended* to *Mandatory*. Data.Overheid.nl requires that all distributions have a license property. It must always be clear what license applies to a distribution. Because of this, its cardinality is changed from *0..1* to *1..1*.

Distribution:title  The cardinality has been changed from *1..n* to *1..1*. Data.Overheid.nl demands that metadata is provided in only *one* language, therefore there is no longer any need to support multiple titles for one distribution.

Distribution:description  The cardinality has been changed from *1..n* to *1..1*. Data.Overheid.nl demands that metadata is provided in only *one* language, therefore there is no longer any need to support multiple titles for one distribution.

Distribution:format  This property was changed from *Recommended* to *Mandatory*. A Distribution always has a format, as such, it should be provided. Because of this, its cardinality is changed from *0..1* to *1..1*.

Distribution:byteSize  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a distributions as possible. This is purely a semantic change to inspire providers to provide more metadata.

Distribution:downloadURL  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a distributions as possible. This is purely a semantic change to inspire providers to provide more metadata.

Distribution:mediaType  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a distributions as possible. This is purely a semantic change to inspire providers to provide more metadata.

Distribution:releaseDate  This property was changed from *Optional* to *Recommended*. Data.Overheid.nl wants as much metadata about a distributions as possible. This is purely a semantic change to inspire providers to provide more metadata.

Distribution:rights  This property was changed from *optional* to *Mandatory*. Rights always apply to Distributions, therefore providers must dictate which rights apply to the Distribution. Because of this, its cardinality is changed from *0..1* to *1..1*.
**Distribution:status** This property was changed from Optional to Recommended. Data.Overheid.nl wants as much metadata about a distributions as possible. This is purely a semantic change to inspire providers to provide more metadata.

**Distribution:modificationDate** This property was changed from Optional to Recommended. Data.Overheid.nl wants as much metadata about a distributions as possible. This is purely a semantic change to inspire providers to provide more metadata.

**Distribution:linkedSchemas** This property was changed from Optional to Recommended. Data.Overheid.nl wants as much metadata about a distributions as possible. Furthermore its range has been narrowed to only allow valid URIs. Data.Overheid.nl prefers resolvable URIs from a linked data perspective.

### 4.2.3 Removed properties

The following properties have been removed

**None** No properties have been removed that were part of the DCAT-AP-NL 1.1 standard.
Two aspects of the DCAT-AP-DONL 1.1 application profile deserve further elaboration, as they are a considerable change from either DCAT-AP-DONL 1.0 or DCAT-AP-NL 1.1. This is done below.

### 5.1 Dataset identifier

The value of a dataset identifier is the original identifier of the dataset. This value must be preserved when this dataset moves across dataportals. This ensures that the dataset, regardless of the dataportal it currently resides in, can always be uniquely identified. To communicate that a dataset is or has been present in a dataportal, the dataportal may elect to include its own internal identifier of the dataset as a part of the `alternativeIdentifier` property.

This process is visualised below:

In the event that changes are made to a dataset that are not made by the original authority or publisher, the identifier property is invalidated. At this point the value of the identifier property is the identifier of the dataset that that dataportal currently maintains. In the above example, should NGR make changes to the dataset, then the internal identifier that NGR maintains for the dataset becomes the identifier of the new dataset.

### 5.2 Multilingual support

DCAT-AP-DONL mandates that the metadata of a dataset is provided in only one language. In order to provide metadata in multiple languages for a single dataset, the following steps must be taken.

First create the original dataset with metadata in a specific language:

```json
{
  "identifier": "http://mydata.portal.com/dataset/mijndataset1",
  "title": "Mijn dataset titel 1",
  "description": "Mijn dataset omschrijving 1",
} (continues on next page)
```
Fig. 1: Identifier workflow visualised

Data.Overheid.nl

Data.Overheid.nl harvests the dataset "Parkeerautomaten 2017" from the NGR portal. It sees the preserved identifier "https://data.nijmegen.nl/dataset/parkeerautomaten2017" and now knows that this is the same dataset that Dataportal Nijmegen already published on Data.Overheid.nl

Dataportal Nijmegen

Dataportal Nijmegen publishes its dataset "Parkeerautomaten 2017" on Data.Overheid.nl with the identifier "https://data.nijmegen.nl/dataset/parkeerautomaten2017".

NGR

NGR may decide to include its own internal identifier for the dataset as an alternative identifier in the dataset. This allows the NGR to preserve the fact that the dataset has, at some point, been present in the NGR portal.

NGR harvests the dataset "Parkeerautomaten 2017" from Dataportal Nijmegen and preserves the original identifier "https://data.nijmegen.nl/dataset/parkeerautomaten2017".

Dataportal Nijmegen contains a dataset called Parkeerautomaten 2017. This dataset has an identifier "https://data.nijmegen.nl/dataset/parkeerautomaten2017".
Then, when wanting to support metadata in a secondary language, create a new dataset with the metadata in the new language which references the original dataset:

```
{
    "identifier": "http://mydata.portal.com/dataset/mijndataset1",
    "title": "My dataset 1",
    "description": "My dataset description 1",
    "is_version_of": "https://data.overheid.nl/datasets/mijndataset1",
    ...
}
```

By declaring your dataset with the same identifier and stating that the new dataset is a version of the original dataset you signal that the datasets are identical and that only the metadata is different. Ensure that the different datasets have unique metadataLanguage properties.

A visual guide:

In short: group all the resources with metadata in the same language under one dataset, which metadataLanguage matches that of the resources. When the dataset becomes available in a new language, create and maintain a separate dataset and resources for the new language. The actual accessURLs and downloadURLs can be the same across both datasets.

5.2. Multilingual support
Chapter 5: Workflow
Valuelists

The DCAT-AP-DONL 1.1 standard uses lists of acceptable values in order to standardize the values of properties wherever possible. These lists are mostly inherited from the parent standard DCAT-AP-NL 1.1. These lists are shown below.

These valuelists are published on waardelijsten.dcat-ap-donl.nl.

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>adms:changetype</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/adms_changetype.json">http://waardelijsten.dcat-ap-donl.nl/adms_changetype.json</a></td>
</tr>
<tr>
<td>adms:distributiestatus</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/adms_distributiestatus.json">http://waardelijsten.dcat-ap-donl.nl/adms_distributiestatus.json</a></td>
</tr>
<tr>
<td>donl:catalogs</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/donl_catalogs.json">http://waardelijsten.dcat-ap-donl.nl/donl_catalogs.json</a></td>
</tr>
<tr>
<td>donl:language</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/donl_language.json">http://waardelijsten.dcat-ap-donl.nl/donl_language.json</a></td>
</tr>
<tr>
<td>donl:organization</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/donl_organization.json">http://waardelijsten.dcat-ap-donl.nl/donl_organization.json</a></td>
</tr>
<tr>
<td>iana:mediatypes</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/iana_mediatypes.json">http://waardelijsten.dcat-ap-donl.nl/iana_mediatypes.json</a></td>
</tr>
<tr>
<td>mdr:filetype_nal</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/mdr_filetype_nal.json">http://waardelijsten.dcat-ap-donl.nl/mdr_filetype_nal.json</a></td>
</tr>
<tr>
<td>overheid:dataset_status</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_dataset_status.json">http://waardelijsten.dcat-ap-donl.nl/overheid_dataset_status.json</a></td>
</tr>
<tr>
<td>overheid:frequency</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_frequency.json">http://waardelijsten.dcat-ap-donl.nl/overheid_frequency.json</a></td>
</tr>
<tr>
<td>overheid:license</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_license.json">http://waardelijsten.dcat-ap-donl.nl/overheid_license.json</a></td>
</tr>
<tr>
<td>overheid:openbaarheidsniveau</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_openbaarheidsniveau.json">http://waardelijsten.dcat-ap-donl.nl/overheid_openbaarheidsniveau.json</a></td>
</tr>
<tr>
<td>overheid:spatial_gemeente</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_gemeente.json">http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_gemeente.json</a></td>
</tr>
<tr>
<td>overheid:spatial_koninkrijksdeel</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_koninkrijksdeel.json">http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_koninkrijksdeel.json</a></td>
</tr>
<tr>
<td>overheid:spatial_provincie</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_provincie.json">http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_provincie.json</a></td>
</tr>
<tr>
<td>overheid:spatial_scheme</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_scheme.json">http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_scheme.json</a></td>
</tr>
<tr>
<td>overheid:spatial_waterschap</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_waterschap.json">http://waardelijsten.dcat-ap-donl.nl/overheid_spatial_waterschap.json</a></td>
</tr>
<tr>
<td>overheid:taxonomiebeleidsagenda</td>
<td><a href="http://waardelijsten.dcat-ap-donl.nl/overheid_taxonomiebeleidsagenda.json">http://waardelijsten.dcat-ap-donl.nl/overheid_taxonomiebeleidsagenda.json</a></td>
</tr>
</tbody>
</table>

DCAT-AP-DONL 1.1 maintains its own valuelists rather than simply using the DCAT-AP-NL valuelists. The primary motivater behind this decision is that DCAT-AP-DONL may elect not to support certain values of the DCAT-AP-NL valuelists. In order to support this feature, DCAT-AP-DONL has to maintain its own valuelists. An example of such a usecase is where DCAT-AP-DONL may decide not to support a certain license that DCAT-AP-NL supports.

10 https://dcat-ap-nl.nl
11 http://waardelijsten.dcat-ap-donl.nl
Implementation

The DCAT-AP-DONL 1.1 metadata standard has been implemented in a CKAN extension. This extension allows your CKAN installation to manage datasets and distributions according to the standards defined in this documentation.

This extension, called ckanext-dcatdonl, can be found online at:

Repository  gitlab.textinfo.nl/opensource/ckanext-dcatdonl/\(^{12}\).

Documentation  ckanext-dcatdonl.readthedocs.io\(^{13}\)

\(^{12}\) https://gitlab.textinfo.nl/opensource/ckanext-dcatdonl/

\(^{13}\) https://ckanext-dcatdonl.readthedocs.io