

GeoNetwork Ontwikkelingen

GeoNetwork Gebruikersgroep NL

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Online, organisatie Rijkswaterstaat

Table of contents

- Release 3.12
- Versie 4
- Ontwikkelingen 4.1/5
- RIVM ontwikkelingen

Release 3.12

Verwacht in december

- Herstel versie uit historie
- Verbeteringen rond alternatieve projecties
- Gebruik van cloud storage voor data directory
- Keycloak support (SSO)

GeoNetwork Versie 4.x

WFS Feature indexing



Wallonie
service public
SPW

Remote indexing & dashboards

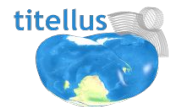
Level 1 Bolsena 2019

Wallonie
service public
SPW

Level 2 December sprint

Wallonie
service public
SPW

European
Environment
Agency



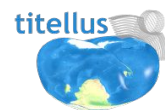
SOLR POC

Level 0 Bolsena 2018

Level 1 July sprint

Level 3+4 2020

camp
tocamp
INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS



GEOCAT
GOVERNMENT GEOGRAPHIC DATA PUBLISHING



April

June

June July

December

January-April

2016

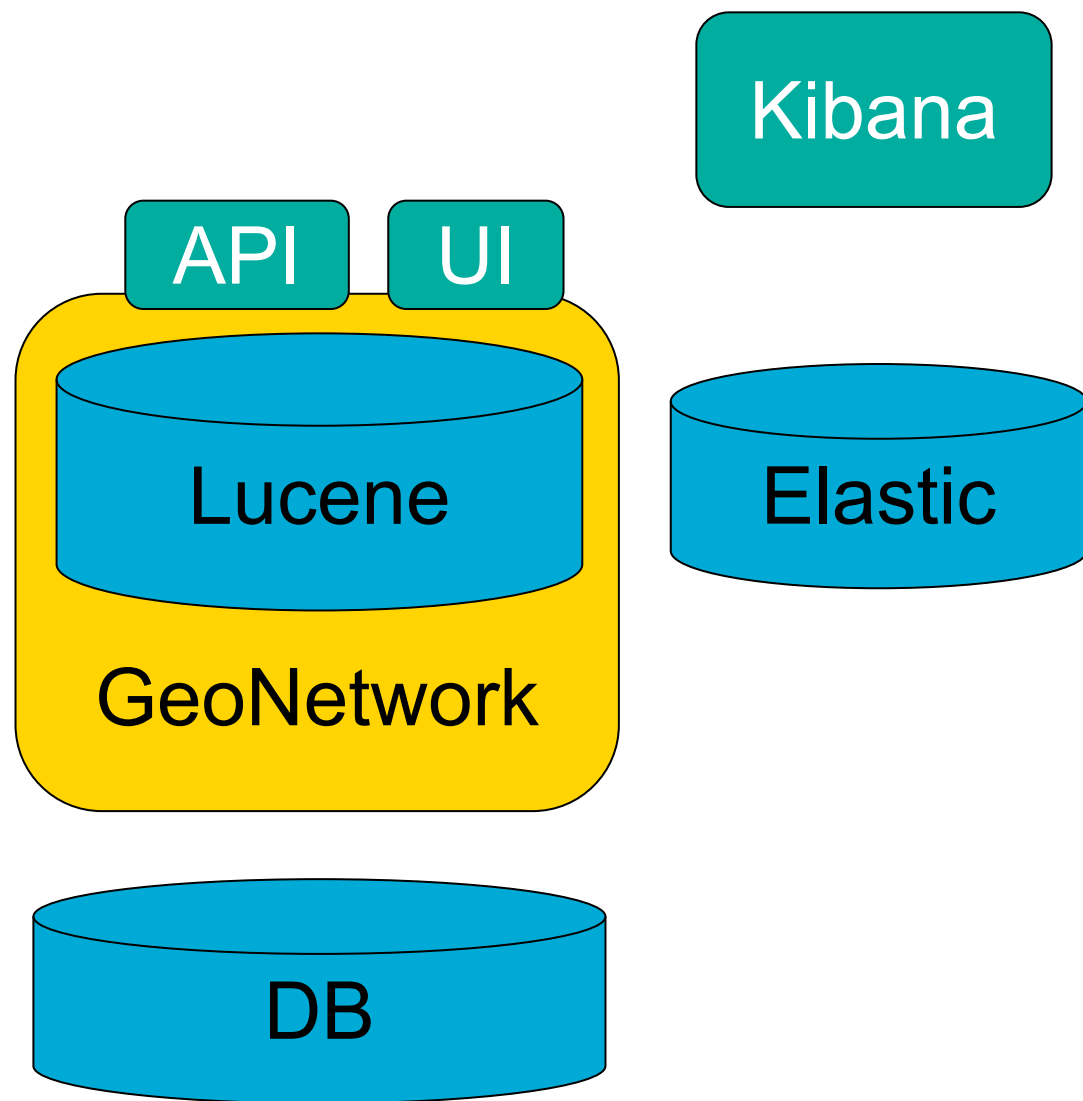
2017

2018

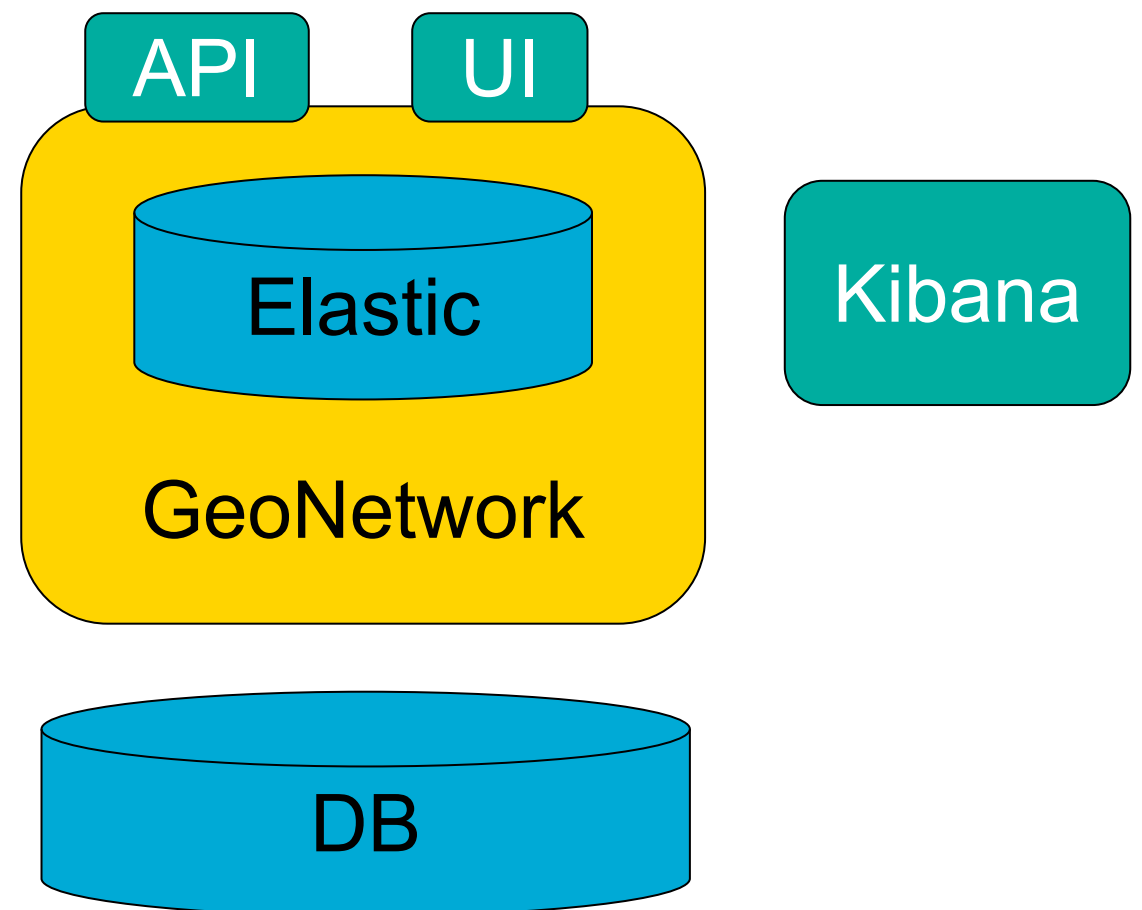
2019

2020

Version 3.x

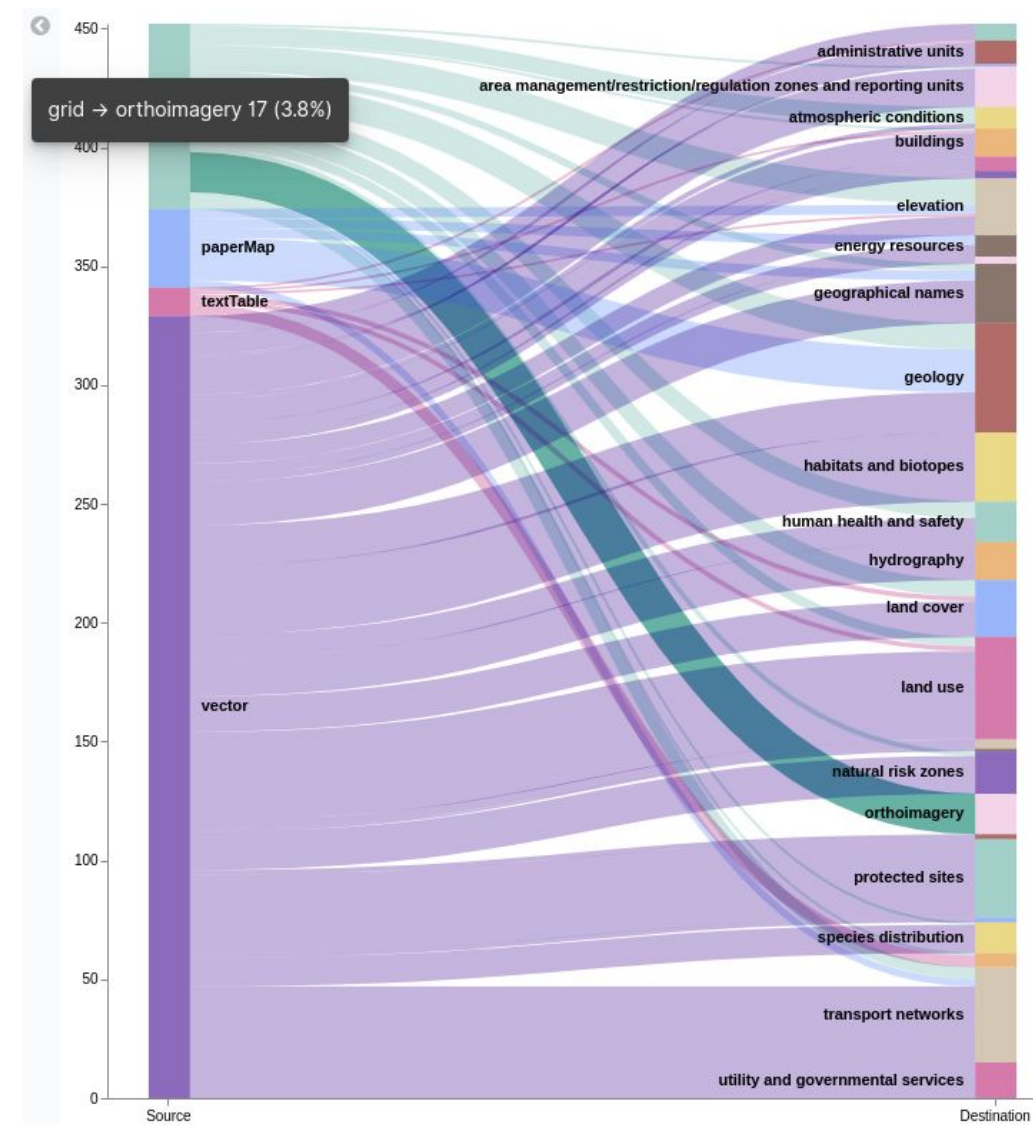
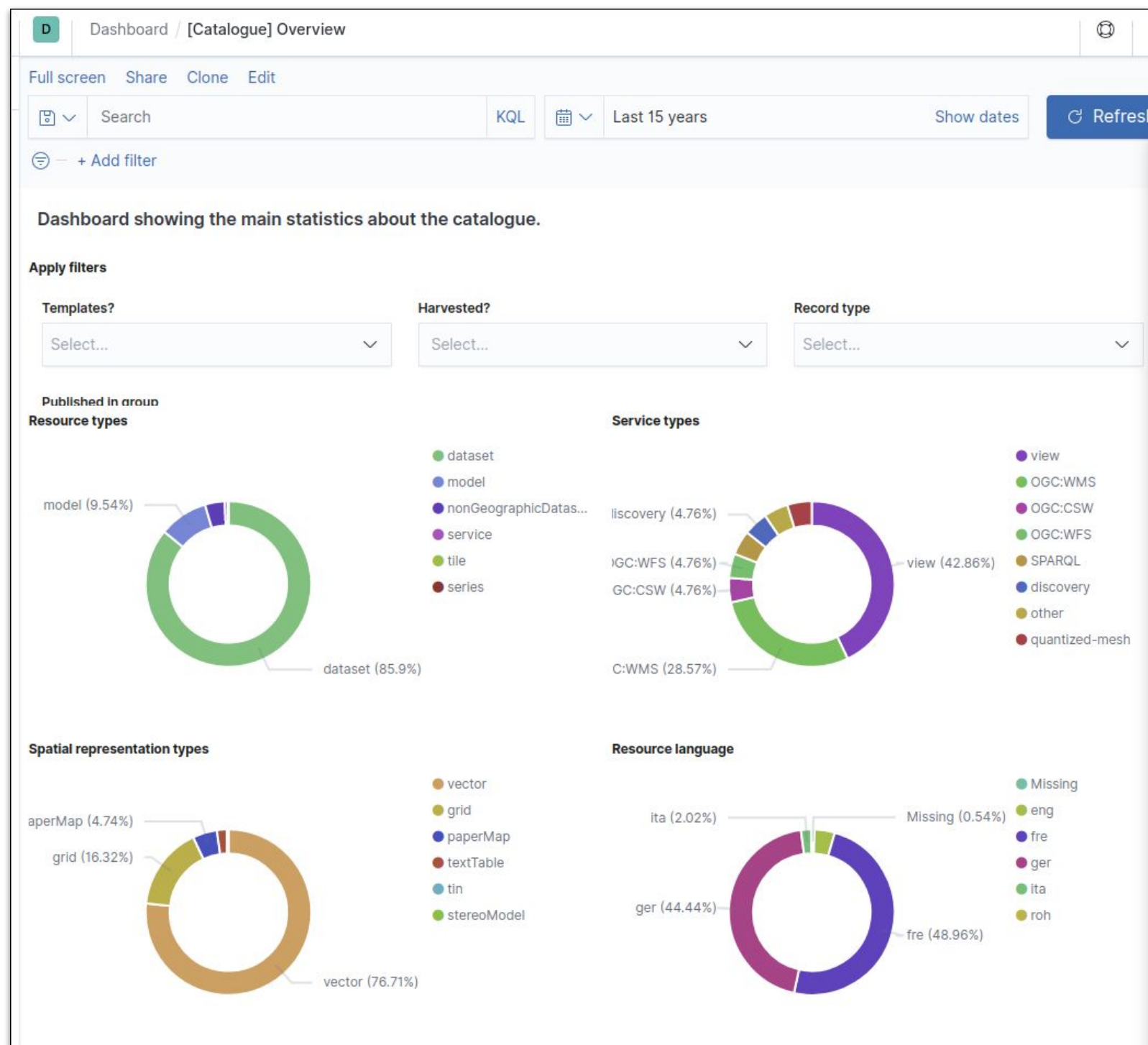


Version 4.x



New version benefits

- Search results more accurate
 - Increase relevance for title/keyword
- Spatial search within index
- Search results are faster (and smaller)
- Similarity and proximity queries
- Improved autocomplete
- OR and NOT operators from facets
- Run index separately (scalable/shardable)
- More details in [this presentation](#)



Migration ongoing

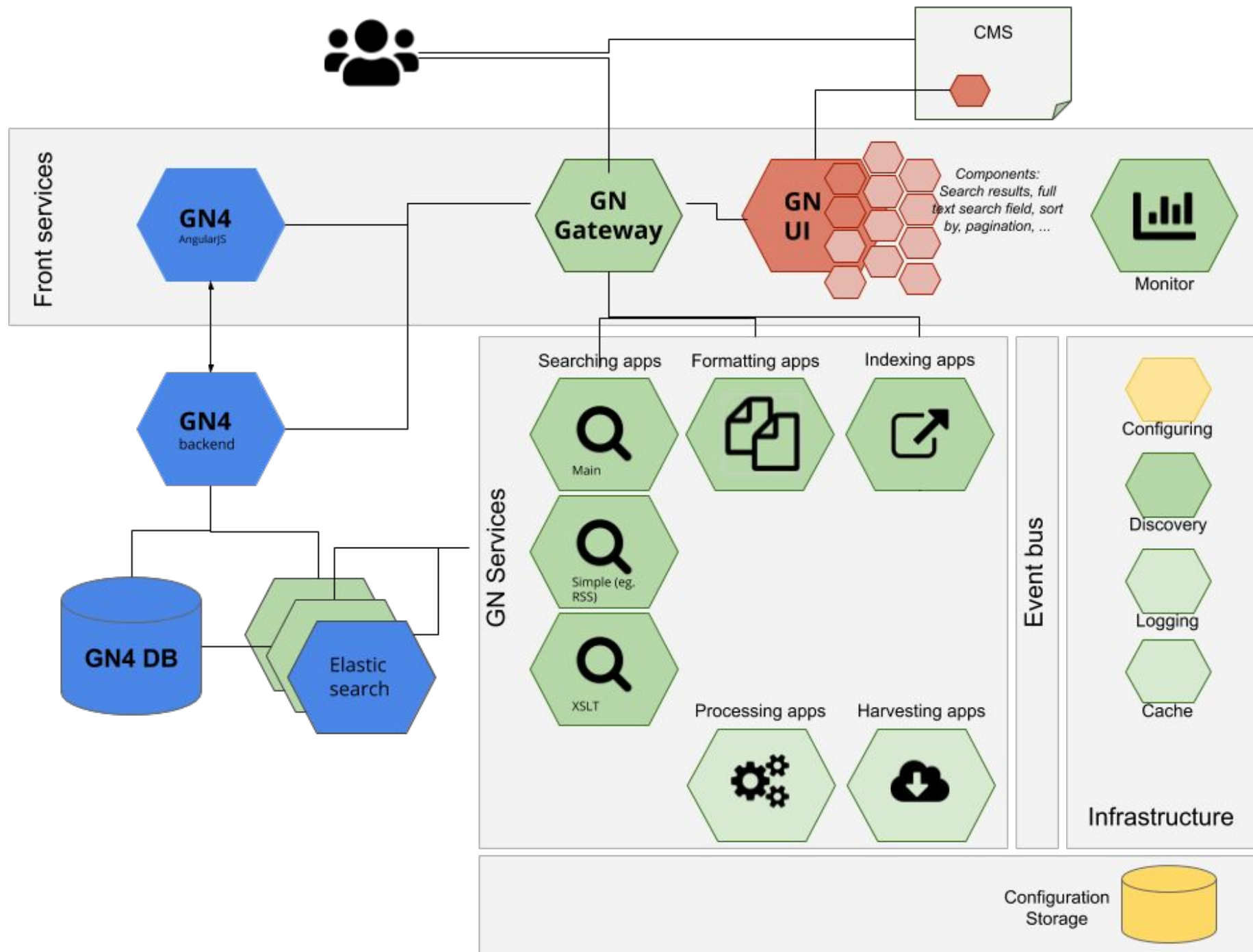
V4 currently does not yet have:

- Multilingual metadata display capabilities
- OAI-PMH & OpenSearch

Keep an eye out on [what-is-next](#)

GeoNetwork Microservices

Micro services



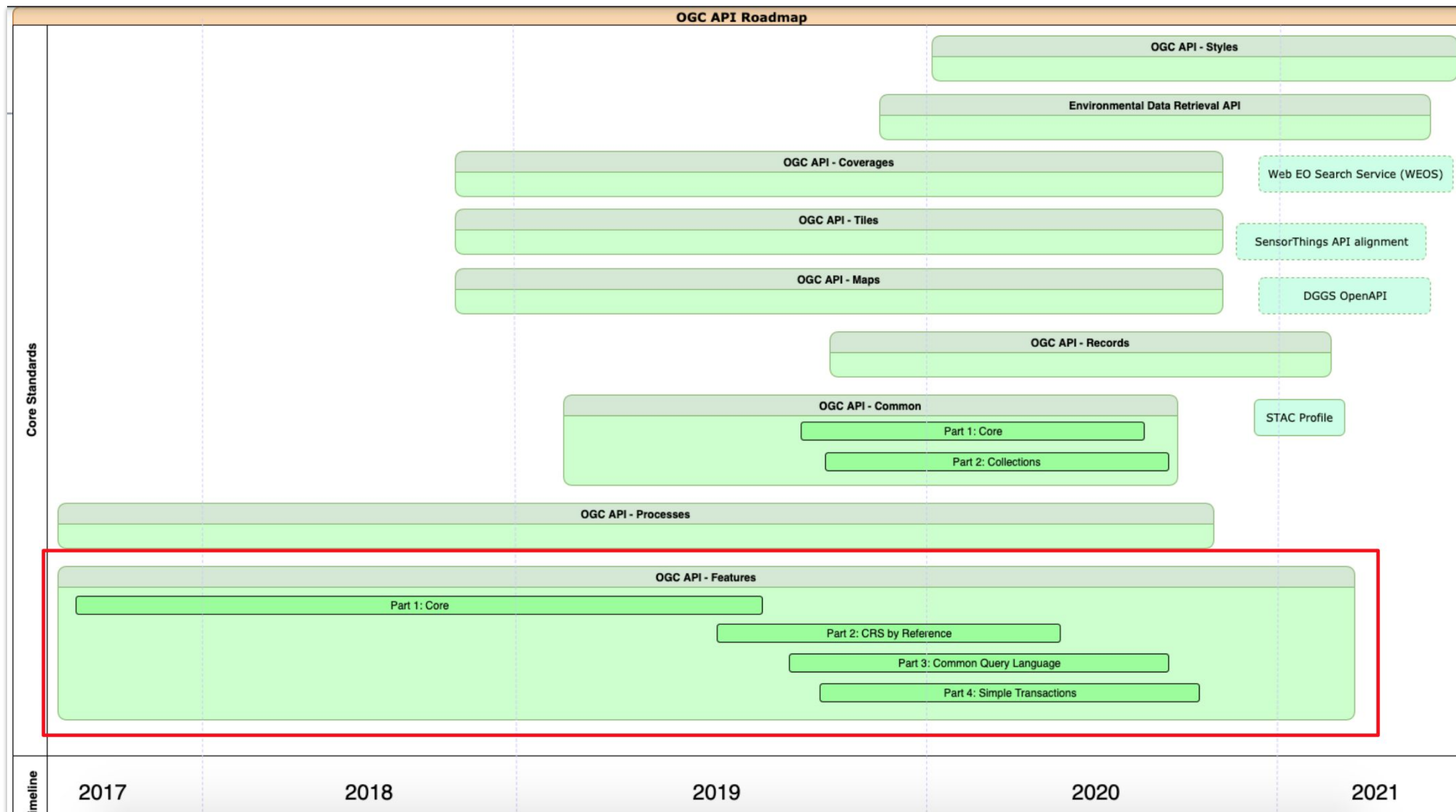
GN-UI

Update to recent Angular 10 & web components

UI development in isolation using [storybook](#)

Hosted at separate [Git repository](#)

OGC API Common



OGC:API Records

New generation of OGC standards, also offers alternative to Catalog Service for the Web

OGC API Records is currently implemented on top of GeoNetwork Elastic proxy.

OGC is negotiating the standard, so current implementation will be refactored

Overview

This page points to servers implementing drafts of the OGC API Records series.

Implementations:

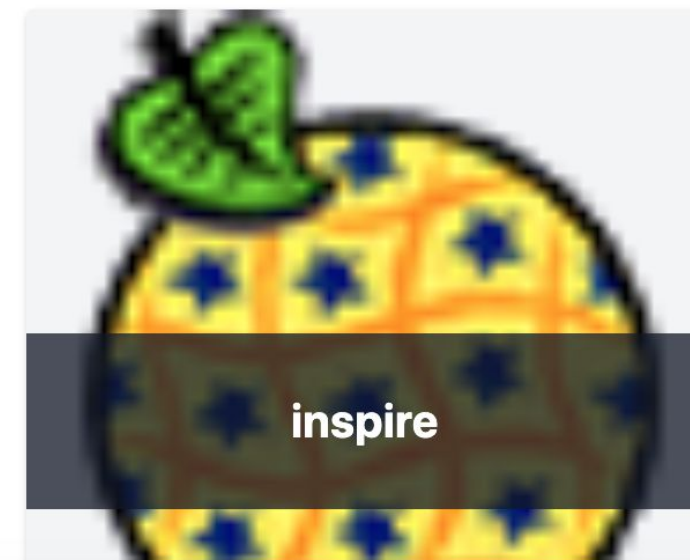
Servers:

- [CubeWerx Inc.](#)
- [pygeoapi](#)
- [Esri Inc.](#)
- [GeoNetwork opensource](#)

<https://github.com/opengeospatial/ogcapi-records/blob/master/implementations.md>

BROWSE GEONETWORK 4

Thematic portals



Nationally designated areas (CDDA) polygons for inte

The European inventory of Nationally designated areas (CDDA) holds information about designated areas and their designat directly or indirectly create protected areas.

The inventory is delivered by the Eionet partnership countries as spatial and tabular information.

The inventory began in 1995 under the CORINE programme of the European Commission. The CDDA is now an agreed annual Eionet core data flow maintained by the European Environment Agency (EEA) with support from the European Topic Centre on Biological Diversity (ETC/BD). The dataset is used by the EEA and e.g. the UNEP-WCMC for their main European and global assessments, products and services.

The CDDA is the official source of protected area information from the 39 European countries to the World Database of Protected Areas (WDPA).

The CDDA data can be queried online in the European Nature Information System (EUNIS).



```

▼ {
  "_index": "gn-records",
  "_type": "_doc",
  "_id": "bbf83ca0-6d2f-4a0b-b8a7-4dcdc285beab",
  "_score": 2.914787,
  "source": {
    "docType": "metadata",
    "documentStandard": "iso19139",
    "document": "",
    "metadataIdentifier": "bbf83ca0-6d2f-4a0b-b8a7-4dcdc285beab",
    "standardName": "ISO 19115/19139",
    "indexingDate": "2020-12-03T00:02:12",
    "dateStamp": "2020-12-02T14:34:16",
    "mainLanguage": "eng",
    "resourceType": [
      "dataset"
    ],
    "Org": "European Environment Agency",
    "pointOfContactOrg": "European Environment Agency",
    "contact": [
      ▼ {
        "organisation": "European Environment Agency",
        "role": "pointOfContact",
        "email": "sdi@eea.europa.eu",
        "website": "",
        "logo": "",
        "individual": "",
        "position": "",
        "phone": "",
        "address": "Kongens Nytorv 6, Copenhagen, K, 1050, Denmark"
      }
    ],
  },
},

```


Alternative encodings

GeoNetwork is traditionally XML/XSD oriented

Incoming alternative encodings JSON, RDF, Yaml

GeoNetwork frontend is JSON oriented

Expected is that XML will become optional in an increasing number of GeoNetwork components

DCAT bij RIVM

3 nieuwe componenten

OData harvester - harvest metadata van CBS statline

DCAT Schema plugin - metadata bewerken in DCAT
formaat

Data.overheid.nl push - Records naar data.overheid.nl
publiceren

Categorieën

Groep

Valideren

Annuleren

Opslaan en sluiten

Bewaar metadata



Dataset

Identificator

Beschrijving

Contactpunt

Organisatie

Organisatie

Adres

Downloads, views en links

+ Toevoegen

```
1 <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
2   xmlns:adms="http://www.w3.org/ns/adms#"
3   xmlns:foaf="http://xmlns.com/foaf/0.1/"
4   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5   xmlns:dct="http://purl.org/dc/terms/"
6   xmlns:vcard="http://www.w3.org/2006/vcard/ns#"
7   xmlns:dcats="http://www.w3.org/ns/dcat#"
8   xmlns:skos="http://www.w3.org/2004/02/skos/core#"
9   xsi:schemaLocation="http://www.w3.org/ns/dcat# ../schema.xsd">
10  <dcats:Dataset rdf:about="https://rivm-dcat2.geocat.live/geonetwork/srv/api/records/af2d0b4f-0b03-4aae-8448-cdca42840622">
11    <dct:identifier>af2d0b4f-0b03-4aae-8448-cdca42840622</dct:identifier>
12    <dct:title xml:lang="nld">DCAT Template - OData harvesters</dct:title>
13    <dct:description/>
14    <dcats:contactPoint>
15      <vcard:Organization>
16        <vcard:organization-name>RIVM</vcard:organization-name>
17        <vcard:hasAddress rdf:parseType="Resource">
18          <vcard:street-address/>
19          <vcard:locality/>
20          <vcard:postal-code/>
21          <vcard:country-name/>
22          <rdf:type rdf:resource="http://www.w3.org/2006/vcard/ns#Home"/>
23        </vcard:hasAddress>
24        <vcard:hasEmail rdf:resource="mailto:info@rivm.nl">info@rivm.nl</vcard:hasEmail>
25        <vcard:hasURL rdf:resource="https://www.rivm.nl">https://www.rivm.nl</vcard:hasURL>
26        <vcard:hasTelephone>+31 (0)30 274 9111</vcard:hasTelephone>
27      </vcard:Organization>
28    </dcats:contactPoint>
29    <dct:modified rdf:datatype="http://www.w3.org/2001/XMLSchema#date"/>
```

DCAT

- [DCAT](#) is a metadata standard from W3C to describe datasets
- De facto core standard for metadata, many sector standards are based on it
- OGC will likely adopt DCAT as a base for upcoming metadata standards
- DCAT had a second release, incorporating some spatial aspects
- GeoNetwork contains a [DCAT schema-plugin](#) (optional install)

DCAT 1

DCAT-ap
1.1

GeoDCAT-ap

dcat-nl

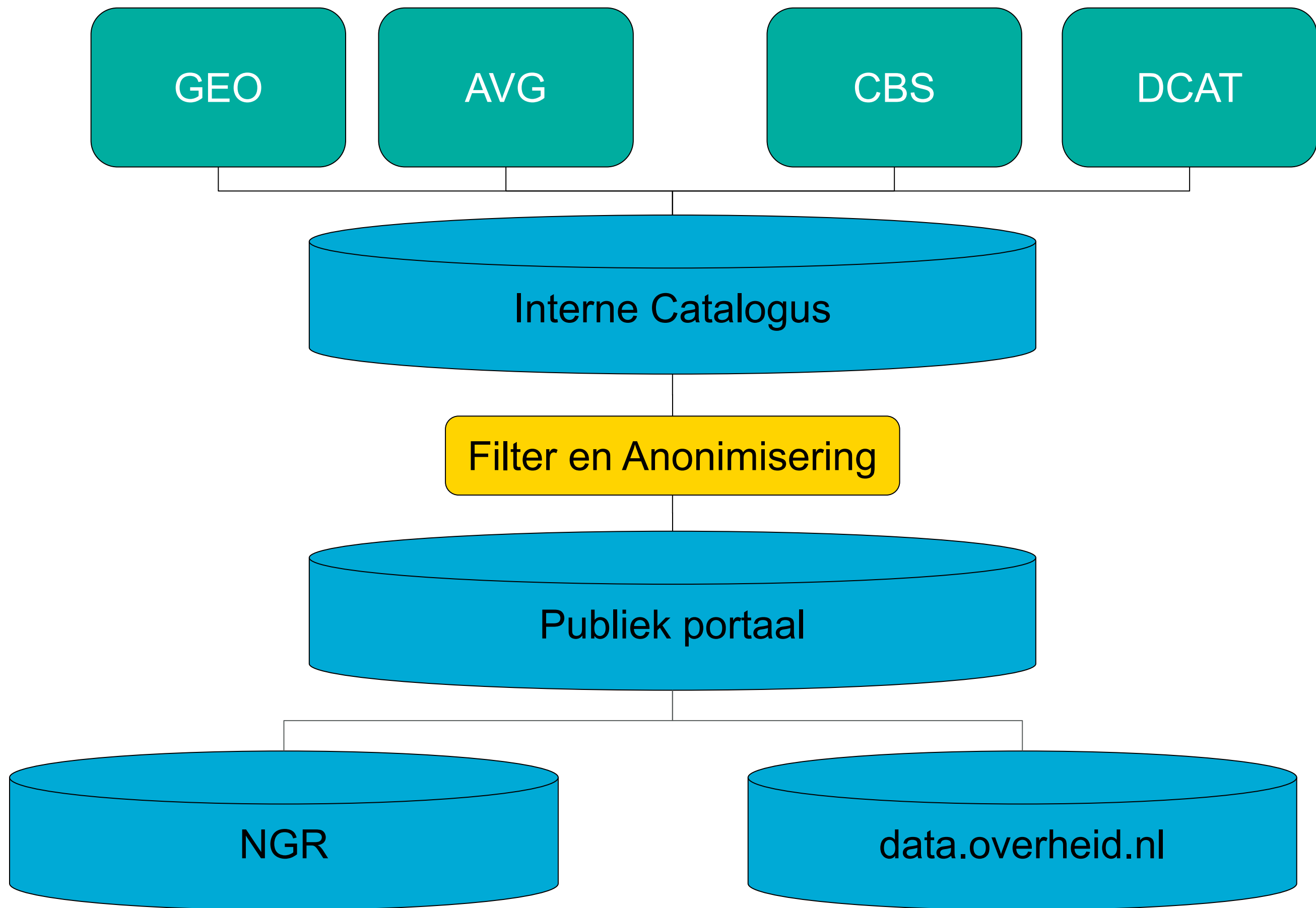
don-nl

DCAT 2

DCAT-ap

GeoDCAT-ap

DCAT 3



Andere ontwikkelingen

Locatie thesaurus

Huidige thesaurus is aan vernieuwing toe.

Op zoek naar een actieve beheerder



Behoefte aan een nl gazetteer? ✎

Toepassingen

LocatieServer



pvgenuchten

okt. '17

Vanuit de catalogi beweging zijn we op zoek naar een lijst van locaties die we kunnen gebruiken om aan te geven dat een bepaalde dataset betrekking heeft op een bepaald gebied. Momenteel gebruiken we een lijst die opgesteld is in het kader van het pdok geodatastore project, maar deze lijst wordt niet actief bijgehouden, bij voorkeur zouden we gebruik maken van een actief beheerde lijst. Mogelijke alternatieven zijn locatieserver, nominatim of <http://standaarden.overheid.nl/owms/4.0/doc/waardelijsten/overheid.gemeente> ¹¹, echter deze matchen niet volledig op deze use case.

OWMS goede kandidaat?

Mist geometrische component

Combinatie met locatieserver?

overheid:Overheidsorganisatie

Waarden

Label	Naam term	URI
's-Graveland	overheid:'s-Graveland_(gemeente)	http://standaarden.overheid.nl/owms/terms/'s-Graveland_(gemeente)
's-Gravendeel	overheid:'s-Gravendeel_(gemeente)	http://standaarden.overheid.nl/owms/terms/'s-Gravendeel_(gemeente)
's-Gravenhage	overheid:'s-Gravenhage	http://standaarden.overheid.nl/owms/terms/'s-Gravenhage

Windows installer



Returned since long time, [provided by GeoCat](#)

FAIR data

F_{indable}



A_{ccessible}



I_{nteroperable}



R_{eusable}



Esri protocol niet in lijst

- 3.10 heeft nieuwe openLayers versie
- Verbeterde ArcGIS Rest support
- Link naar ArcGIS rest toont echter gaan “add-to-map”

Toegankelijkheidsverklaring

🏠 Toegankelijkheidsverklaring

Home > Register van toegankelijkheidsverklaringen > Verklaring van Nationaal Georegister (NGR)

Verklaring van Nationaal Georegister (NGR)

Status toegankelijkheid <https://www.nationaalgeoregister.nl/geonetwork/srv/dut/catalog.search#/home>



Dienst voor het kadaster en de openbare registers is wettelijk verplicht om deze website te laten voldoen aan het Besluit digitale toegankelijkheid overheid.

De status van deze website is: **C - eerste maatregelen genomen**

