



#geo4web Testbed spatial data on the web

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Geonovum

17 March 2016



@brinkwoman #geo4web



Today's agenda



09:30 Walk-in, coffee

10:15 Welcome & introduction

Linda van den Brink

10:45 Spatial Data Platform ('topic 2')

Teun van Sprundel, Matthew Pegels (Spotzi)

12:00 Lunch

13:00 Next phase of the testbed

Marcel Reuvers

13:20 Crawlable Spatial Data ('topic 3')

Dimitri van Hees, Joost Farla (Apiwise)

14:35 Break

14:50 Proxy on SDI ('topic 4')

Clemens Portele (interactive instruments), Lieke Verhelst (Linked Data Factory), Paul van Genuchten (GeoCat)

16:05 Drinks

What's the problem?

What we expect


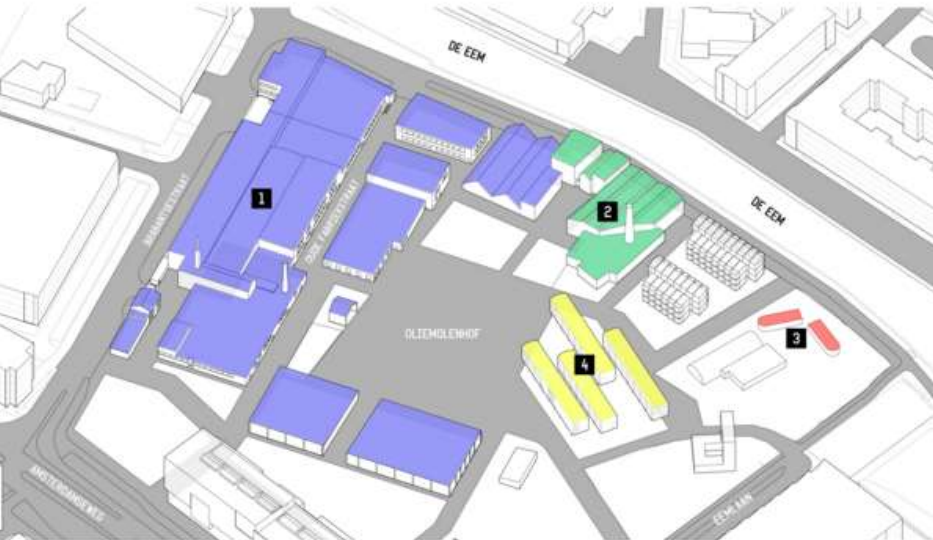
← → ↺ 🗺️ www.denieuwestad.nl/meedoe

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www.boei.nl

3. Schipbreuk
 Laurens Olieman
laurens@olieman.org
www.locatieschipbreuk.nl


4. De Nieuwe Stad Paviljoens
info@denieuwestad.nl
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prodentfabriek

Terug naar resultaten



De Nieuwe Stad
 4.3 ★★★★★ 5 reviews
 Bedrijfsruimte

Routebeschrijving

OPSLAAN IN DE BUURT NAAR UW TELEFOON VERZENDEN DELEN

3912 Amersfoort
denieuwestad.nl
 06 31957193
 Een bewerking voorstellen


Ombreikende informatie toevoegen

Openingsuren toevoegen

Street View 3D foto's

Een foto toevoegen

Reviewoverzicht



What we get



INSPIRE GEOPORTAL

Enhancing access to European spatial data

Find a place in: Europe



Powered by Geonames



Search: Enter your query in any language of the European Union

geonovum

sorted by relevance most relevant

displaying 1 to 1 out of 1 results

< 1 >

 (dataset) Agrarische bedrijfsinformatie Nederland

Ligging en dierenaantallen van alle bij de Rijksdienst voor On ... (show more)

Active Layers: 0

Two step search; unfamiliar protocols



INSPIRE GEOPORTAL

Enhancing access to European spatial data

Find a place in: Europe

Powered by GeoNames



Active Layers: 0

INSPIRE Metadata CLOSE THIS WINDOW

Translator

Dutch

English

Translate this page Original

Microsoft® Translator

(NL) - Agricultural business information Netherlands

Metadata Language: Dutch
Resource Language: Dutch
Metadata Date: 2014-07-03

Metadata Point Of Contact

Ministerie van Economische Zaken - Rijksdienst voor Ondernemend Nederland, E-mail: gegevensvragenASB@rvo.nl

Responsible Party

Owner: Ministerie van Economische Zaken - Rijksdienst voor Ondernemend Nederland, E-mail: gegevensvragenASB@rvo.nl

Resource Title

Agricultural business information Netherlands

Spatial data set

Conditions Applying To Access And Use

No usage restrictions

Limitations On Public Access

Geogedeeld License <http://geogedeeld.geonovum.nl/>
confidential

Spatial Data Theme

Agricultural and aquaculture facilities
(Faciliteiten voor landbouw en aquacultuur)

Topic Category

Farming

Resource Abstract

Location and animal numbers of all the national Entrepreneurial Netherlands (EZ) famous agricultural companies are active in Netherlands agrarian on april 1 of a given year and occur in the agricultural census or the combined task GDI of that year. The file contains information about the type of company, the location of branches, and animal numbers. Companies abroad which have ground in Netherlands also have a geographical point. The location of this point is the center of the largest plot that they on april 1 of the year in question have in use in Netherlands.

Lineage

-Activity Complex: main branches of agricultural companies in en: submitted by the national Entrepreneurial Netherlands (EZ) agriculture-may census, walk-GDI, relationship registry. There is one point for each company location as host is seen. Geotag based on BAG. There may be several main branches at 1 location. Business type based on NEC-typering (LEI). -Site:

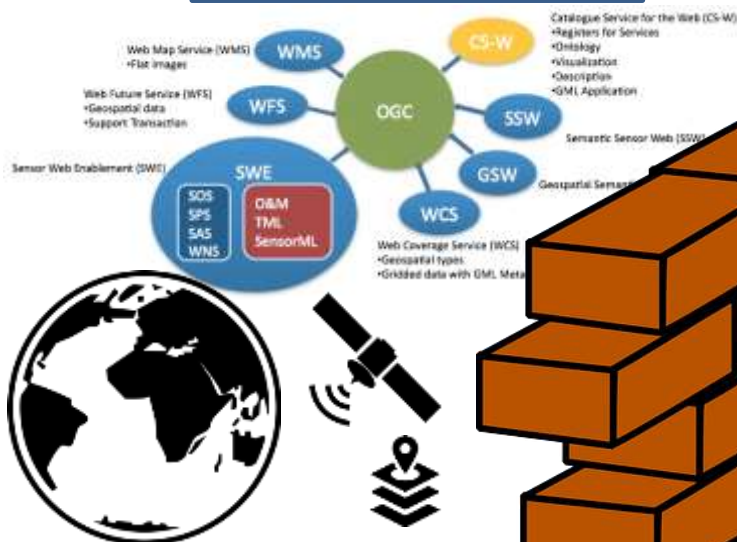


Google zoeken

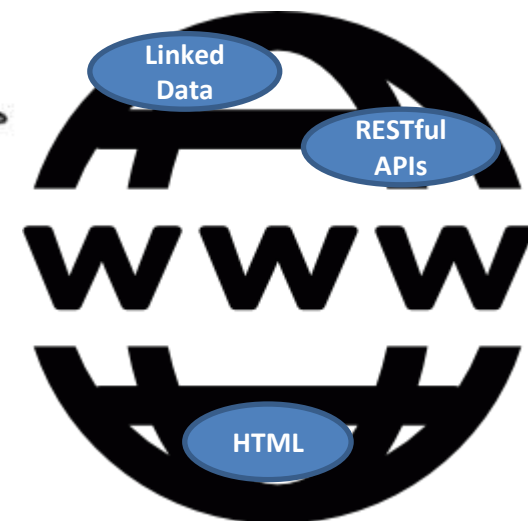
Ik doe een gok

The geospatial niche

Geospatial domain

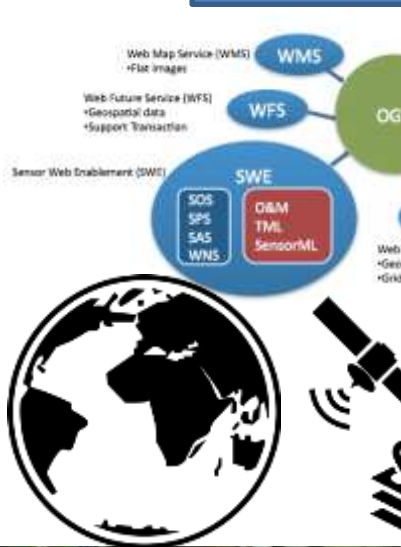


Rest of the world



Spatial data >> to the Web

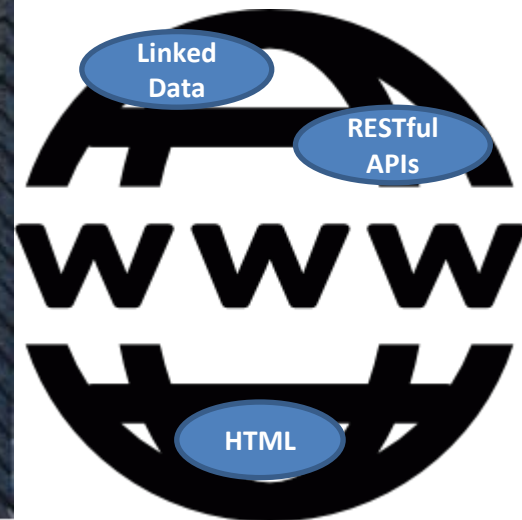
Geospatial domain



THE WALLS WE
BUILD AROUND US
TO KEEP OUT
THE SADNESS
ALSO KEEPS
OUT THE JOY

get more quotes at THEDAILYQUOTES.COM

Rest of the world



What's the urgency?

**INFORMATION
NEEDED**

A new digital system is envisioned to support the new Environmental Act. As a part of this, information needs to be available in new and improved ways:

- **on the web,**
- with **high coherence between datasets,**
- with **clear semantics,** and
- in a way **usable to machines and humans.**

Spatial Data on the Web working group



- <https://www.w3.org/2015/spatial>
- Integration of spatial information with other data on the Web;
- Relate different facts in different datasets relate to the same place;
- **best practices for publishing spatial data on the web;**
- to complete the standardization of informal technologies already in widespread use.

To provide answers:

#geo4web testbed

Sponsors



Ministerie van Infrastructuur en Milieu

BGT en INSPIRE programma

PDOK Publieke
Dienstverlening
op de Kaart



Ministerie van Economische Zaken

project Open geodata als
grondstof voor groei en
innovatie

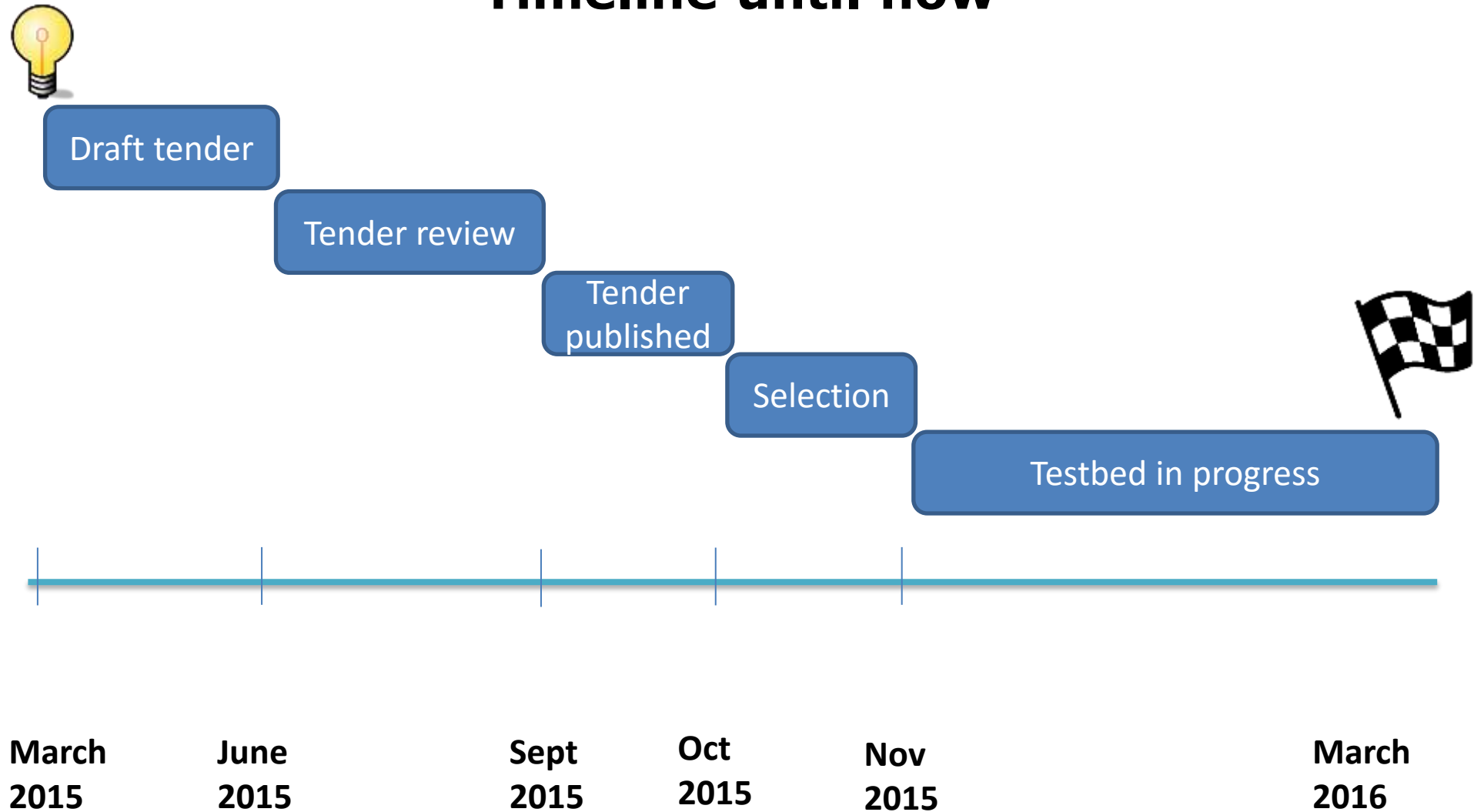
How – the tender

- 4 research questions aimed at getting information about how-to of spatial data on the web
- Involve market > invitation to tender

<http://www.geonovum.nl/documenten/invitation-tender-sdw-testbed>

- 11 parties responded, 3 were selected
 - Topic 1: no selection

Timeline until now



**So what
were these
research
questions?**

**And who
are the
participants?**



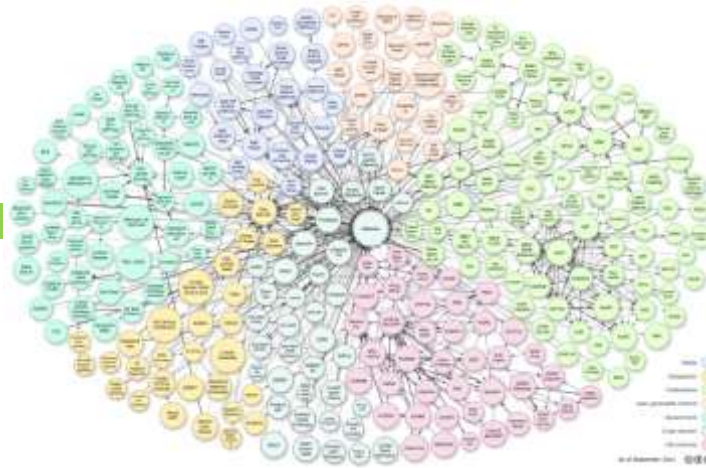


Spatial Data Platform

Research topic #2: A usable spatial data publication platform

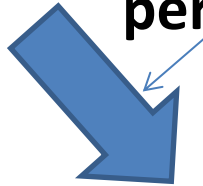
Leading perspective: data users

Goal: to find out how to make spatial data easy to find and more specifically to explore the idea of 'government as a platform' i.e. make data easier to use by providing not only the data itself but also a community surrounding it. Given the fact that now there are disparate data sources full of opaque data, what needs to be done differently and by whom?



**Citizens &
users**

permissions



**Links
to
other
data**



**Other
systems**



**Data in
& out**



**Reference
systems**

workflows

Crawlable Spatial Data



Research topic #3: Crawlable spatial data using the ecosystem of the Web and Linked Data

Crawlable = findable with popular search engines

Leading perspective: the World Wide Web – search engines & web developers

Goal: to find out what would be the best way to publish geospatial data not as a traditional SDI, but rather based on modern web technology, in such a way that it becomes part of the ecosystem of the web. (research topic #4 is similar but WITH OGC standards)

APIs

**Involving the
community**

accessible & friendly data

for machines and developers

Web standards

HTML

RDF

JSON

schema.org

search engine optimization

URI strategy

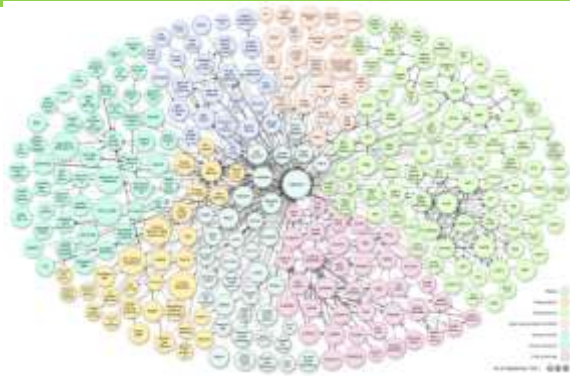
Proxy on SDI



Research topic #4: Spatial data on the web using the current SDI

Leading perspective: traditional SDI

Goal: to find out how to integrate traditional SDI with OGC services with the modern web of data.



Linked public announcements

BAG to schema.org

Linked Data proxy

Linked Farmland data




OGC WFS
Spatial data



OGC CSW
metadata



<https://github.com/geo4web-testbed>

 geo4web-testbed

Repositories

People 9

Teams 3

Settings

Filters

Find a repository...

+ New repository

topic3

Updated 3 days ago

JavaScript ★ 0 2

general

Updated 4 days ago

General repository for Geonovum's testbed Spatial data on the web


★ 0 0

topic2

A usable spatial data publication platform

★ 0 1

People 9 >



Invite someone

Where we are now

" The Finish Line is just the
beginning of a whole new race "

- Unknown



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