

Spatial Data Platform of the Future

Developments of the Dutch Cadastre, and the
Platform Linked Data the Netherlands

—
Dr.ir. Erwin Folmer (erwin.folmer@kadaster.nl)

Requirements for the Future

- Bridging the Gap to the Non-spatial world (W3C)
- Findable on the Web
- Going for 5-star open data (RDF, Linked Data)
- Better usability of data (API's, SPARQL, DeveloperPlatf.)
- Standardized approach (OGC / W3C workgroup)
- Better quality (metadata, provenance)
- Better services, including querying of data



Kadaster datasets available

Cadastral Index Map



brk.basisregistraties.overheid.nl

TOP10NL



brt.basisregistraties.overheid.nl

kadaster



Solution: Kadaster DataPlatform



PDOK
Data Platform

Home Datasets SPARQL Linked Data Viewer Developers

PDOK
Data Platform

Linked Open Geodata voor iedereen

Linked Data

5 soorten data verkennen via SPARQL en de Linked Data Viewer.

REST API's

Beschikbaar via moderne en ontwikkelingsvriendelijke APIs.

Datasets toevoegen

Zelf geodatasets toevoegen, wijzigen en actualiseren.

open
data
is about
MORE
THAN
DISCLOSURE
it must be
Fair

- Findable
- Accessible
- Interoperable
- Reusable



New way of thinking

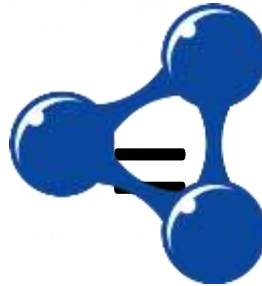
- Generic in stead of specific (silo thinking)
- Leaving the safe-haven of spatial (and INSPIRE)
- User centered (e.g. test release with developers)
- Open (present our plans, our ambitions, but also our problems....during the process)
- Realisation we can not do this kind of innovation the old way.
- Agile/Scrum Development Team
 - Many different organizations involved
 - Young Team



Open Innovation + Linked Data = Platform Linked Data Netherlands (PLDN)



+



Platform Linked
Data Nederland

Open Community for Linked Data knowledge exchange



PLDN Community facilitated by...



Ministerie van Infrastructuur en Milieu

BIG DATA
VALUE CENTER
OPEN INNOVATION CENTER

water  net



Forum Standaardisatie

TNO



slo

Kennisnet





4 symposia
werksessies 3



153
unieke organisaties
vertegenwoordigen



50%
publieke sector



37%
bedrijfsleven



8%
kennisinstellingen



540
LinkedIn groep



1130
Abonnees nieuwsbrief



kadaster



PLDN is also.....

- Public – Private Partnership (actually; government – academic research – industry)
- Influencing Dutch Policy (standards)
- Moves the Netherlands in top position in Linked Data applications
- Saves up to one-two years development time @ Kadaster



Platform Linked
Data Nederland



To conclude: Proud!



- Proud on the Kadaster Data Platform:
 - First government base registries as 5 star open data
 - Largest linked data in the Netherlands
 - Re-use of platform through PDOK
 - Development team is best there is



- Proud on PLDN
 - Highly valuable community: Public-Private partnership
...at its best!

