Introduction

• Ambition and vision of the Dutch Dataplatform and the Cadastre
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• The Dataplatform
• Linked Data and the Cadastre
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The Dataplatform vision

Development of a Service Center
• Manage and unlock Geo information for anyone
• Facilitate the capability of answering social Geo questions

Development of a Digital Geo Dataplatform:
• Provide a Geo dataplatform for **data providers** and **data consumers**
• Guarantee the quality of the information
• Capable of creating relations between different datasets
• Provide high service levels
• Capable of handling different input and output formats for different target audiences
• Provide relevant meta information
• Serve data in a most easy way to use and explore via API’s and Linked Data
The dataplatform and the outside world

Geodata not usable outside the geoworld

*The dataplatform unlocks geodata*

Geodata can’t be found via search engines like Google

*Transforming geodata in Linked Data plus adding schema.org attributes makes the geodata from the dataplatform easier to find on the internet*

For the environmental law the ambition arises to provide visitors with relevant (Linked) Data on the map about their habitat and other relevant information including current regulation information

*The dataplatform realizes this ambition*
Introduction Linked Data

https://www.youtube.com/watch?v=eWqRB-__HFxI

5-star model

- Available, open license
- Machine-readable format
- Non-proprietary format
- URIs as identifiers
- Linked to other data
Gartner: APIs are, in essence, the new IP/Ethernet – the new way to hook systems together. We call this the “API Economy”

**Introduction APIs**

**APIs:** In computer programming, an application programming interface (API) is a set of subroutine definitions, protocols, and tools for building software and applications. A good API makes it easier to develop a program by providing all the building blocks, which are then put together by the programmer. An API may be for a web-based system, operating system and database system.
The Dutch Open Dataplatform of the future

The Open Dataplatform to explore and publish Geo data on the map - using Linked Data and APIs.

Open datasets can be found on data.pdok.nl, brt.basisregistraties.overheid.nl, brk.basisregistraties.overheid.nl.
Dataplateform functions

The Linked Data Viewer allows the visitor to find data on the map
Data exploration: SPARQL endpoint enables users to ask questions about datasets

A-service data: Fully documented APIs are available on data.pdok.nl. The API's can be tested in Postmen. Discussions are being supported via forums.
The Dataplatform “factory”

Traditional geodata formats (gml v2.0) transformed into Linked Data and APIs. Next releases will support other input formats such as XML. It’s an open platform supporting a transformation process for any geodataset.

3D functionality provides clutch bag data to the CityGML.
Linked Data and the Kadaster

When linking (government) high quality data, for citizens, businesses and governments it will be easier to find desired information and it’s becoming easier to find answers to your specific questions. Linked data brings coherence to information making it easier to take decisions. In addition search engines like Google, Bing and Yahoo are also able to index the data. Datasets physically managed in different places can be questioned simultaneously through links between the data. This all results in a State of the Art Functionality!
What can be expected in the nearby future

**More Data** The Base Address Registration of the Netherlands featured as Linked Data and base API’s like address API plus some small datasets

**Daily change support** Daily dataset change report including object history enablement

**Connecting Data** semantic and Geografical data will be interlinked starting with the Key Register Addresses and the Cadastral Map.

**Richer User Interface** More visualisations like 3D, Improved development Portal, More Meta Data, improved findability via Google and other search engines and more to come…

**Self Service** enabling data providers to load their data sets automatically including an Semantic mapping functionality.

**Report Back Service:** enabling reporting back any irregularities on the map.

**Quality dashboard:** offering improvement processes to optimize data quality.

Keep watching us!
Contact information

Links
www.kadaster.nl/dataplayerform
brt.basisregistraties.overheid.nl
brk.basisregistraties.overheid.nl
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Thank you for your attention