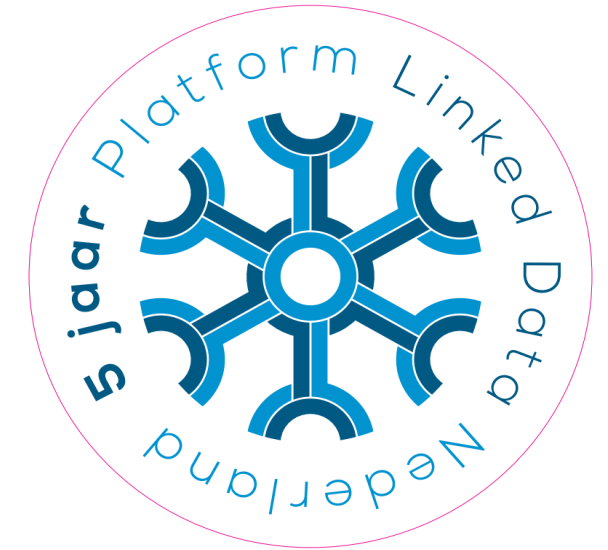




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**#jaarcongresECP**  
**#linkeddatanl**



**SAMENBOUWEN**

DIGITALE  
SAMENLEVING

16 november 2017  
Fokker Terminal  
Den Haag

**JAAR  
CONGRES  
ECP**  
20<sup>e</sup> editie

**PLATFORM LINKED DATA NEDERLAND (PLDN)**





# Why linked data..., it starts with a desire

**Most persons have the desire to:**

- **Connect**
- **Collaborate**
- **Share**

**digitally &  
socially**





# Current practices..., many barriers

**But often suffer in real-life from:**

- **Organizational**
- **Technical**
- **Other**

**barriers !!**





# Solution A..., traditional scenario's

## Drawbacks:

- **Wide variety of data formats**
- **Many transfer protocols**
- **Rigid**
- **Expensive**
- **Many uncontrolled data copies**





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# Solution B..., linked data scenario's

## Benefits:

- **One data format (RDF)**
- **One protocol (HTTP)**
- **More flexible**
- **More cost-efficient**
- **No unnecessary copies**



Interoperability +

Foundation for **FAIR** data

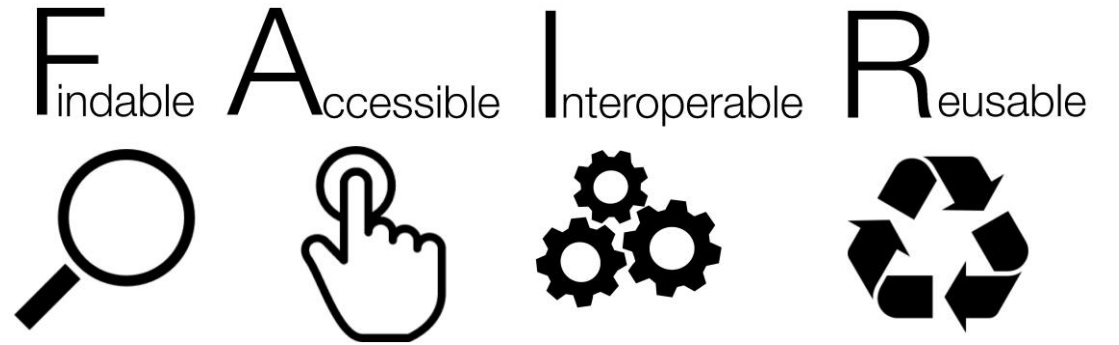


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# FAIR..., what is FAIR data?

## Guiding principles to make data:

- **F**indable
- **A**ccessible
- **I**nteroperable
- **R**e-usable



<https://www.dtls.nl/fair-data/fair-principles-explained/>



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# Roadmap..., linked data potential !

## Future outlook:

- **Global access to knowledge**
- **Linked data as the 'glue'**
- **One unifying data format**
- **Bridging the barriers across heterogeneous data environments**
- **Facilitating smart collaboration**







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# Roadmap..., business value of data

The  
Economist



... get also SME's more involved, to develop valuable data solutions !





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# Roadmap..., facilitated by e.g.

ISA<sup>2</sup> - IT solutions for less bureaucracy  
*You click, we link.*



 YourDataStories



european  
data forum



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data·pitch  
INNOVATION PROGRAMME

... and by many other global (e.g. W3C/OGC), European and Dutch organizations !



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# Platform Linked Data Netherlands (PLDN)

[www.platformlinkeddata.nl](http://www.platformlinkeddata.nl)

The screenshot shows the website's header with the logo, tagline "Innovatie door betekenisvol verbinden", and a search bar. A navigation menu includes "platform", "linked data", "experts", and "doe mee". Below this is a secondary menu with "Lezen", "Bewerken", "Geschiedenis", "Verwijderen", "Hernoemen", "Beveiligen", "Niet volgen", and "Verversen". The main content area features four large circular icons: "Vind Linked Data" (magnifying glass over a network), "Vind Experts" (head profile with a plus sign), "Aan de slag" (checkmark), and "Experimenteer" (gears). Below these are two columns: "Laatste nieuws" with two news items and "Activiteitenkalender" with three event listings.

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Innovatie door betekenisvol verbinden

Wat zoekt u?

platform linked data experts doe mee

Lezen Bewerken Geschiedenis Verwijderen Hernoemen Beveiligen Niet volgen Verversen

Vind Linked Data Vind Experts Aan de slag Experimenteer

Laatste nieuws

€ 50,- Korting voor PLDN Community Members op Entreebewijs voor Congres Data gedreven Beleidsontwikkeling op 28 November in Den Haag  
6 november 2017

PLDN introduction on SEMANTiCS 2017  
13 september 2017

Activiteitenkalender

Symposium: Slimmer Samenwerken door Linked Data  
6 december 2017

Congres: Data gedreven Beleidsontwikkeling  
28 november 2017

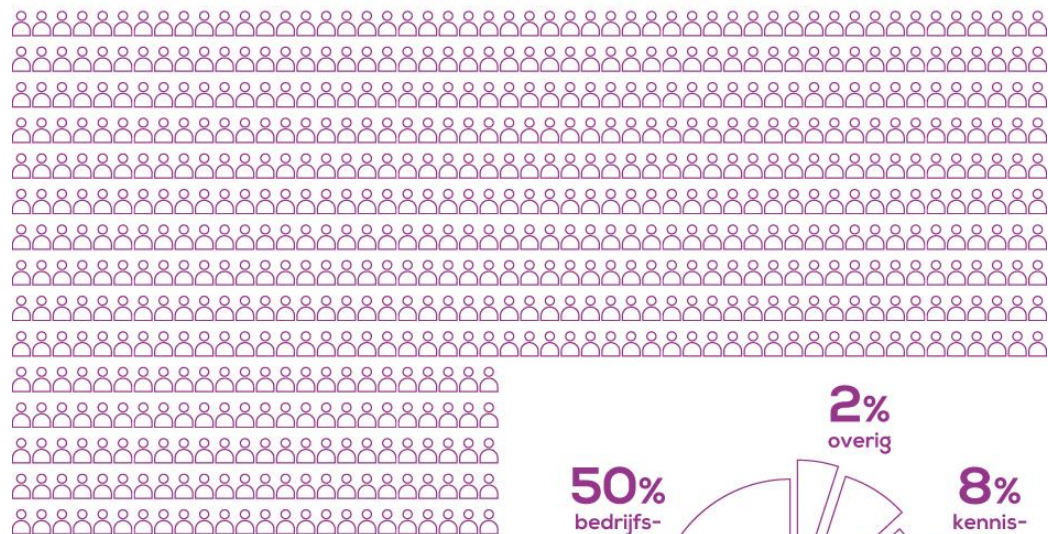
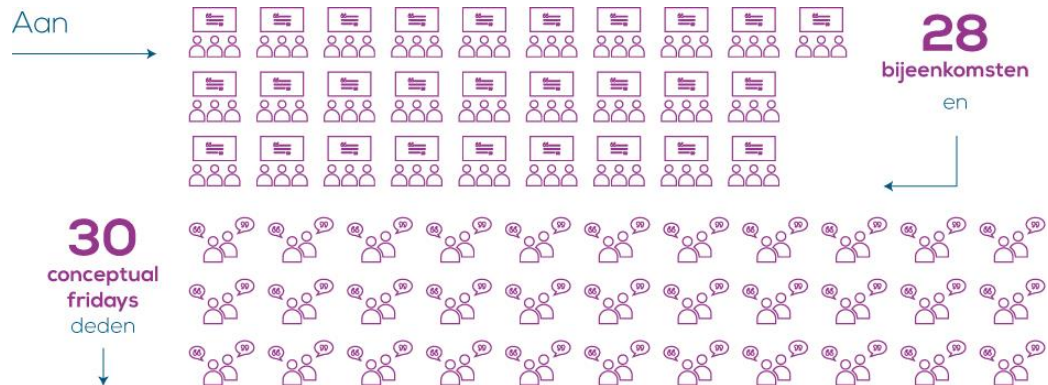
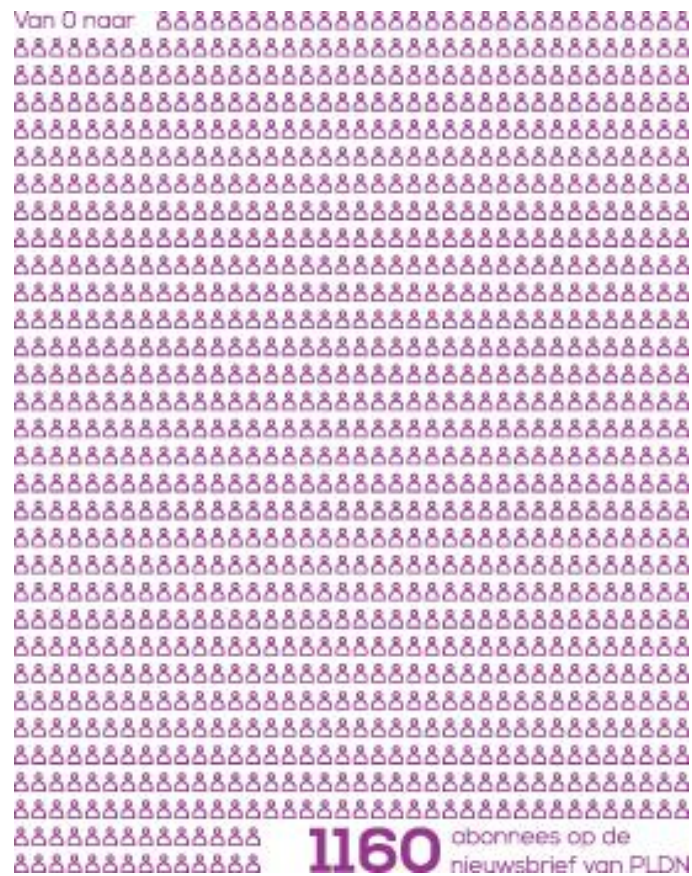
ECP Jaarcongres  
16 november 2017





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# 5 years of PLDN..., some figures



**630**  
unieke  
deelnemers

mee, die  
gezamenlijk

**261**  
unieke  
organisaties

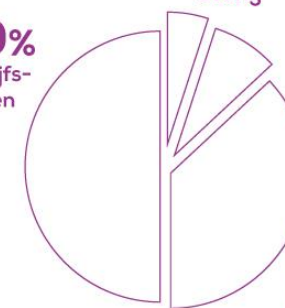
vertegenwoordigen,  
afkomstig uit

**50%**  
bedrijfs-  
leven

**2%**  
overig

**8%**  
kennis-  
instellingen

**36%**  
overheid





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# Facilitated by..., PLDN sponsors



Forum Standaardisatie

Ministerie van Infrastructuur en Milieu



slo



... feel free to contact us, if you would like to become a sponsor of our community (see the [last slide](#) for our contact details)





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# Get involved..., PLDN events & activities

- **16 nov:** ECP Jaarcongres (Fokker Terminal, Den Haag)
  - Vastgoedbeleid en (linked) data sessie (zaal 3, 12:15-13:00)
  - PLDN - Linked Bier stand (hele dag, Linked Bier vanaf 17:00)
- **6 dec:** PLDN Symposium (RCE, Amersfoort)
- **14 dec:** Referentiedata werksessie (ntb)
- **12 jan:** Linked Data Spel kick-off (Geonovum, Amersfoort)





# Get involved..., PLDN working groups

- **Geo data working group** (Linda van den Brink)
- **Reference data working group** (Jan Campschroer)
- **Linked Beer working group** (Dimitri van Hees)
- ...

... feel free to contact us, if you would like to initiate a new working group (see the **last slide** for our contact details)







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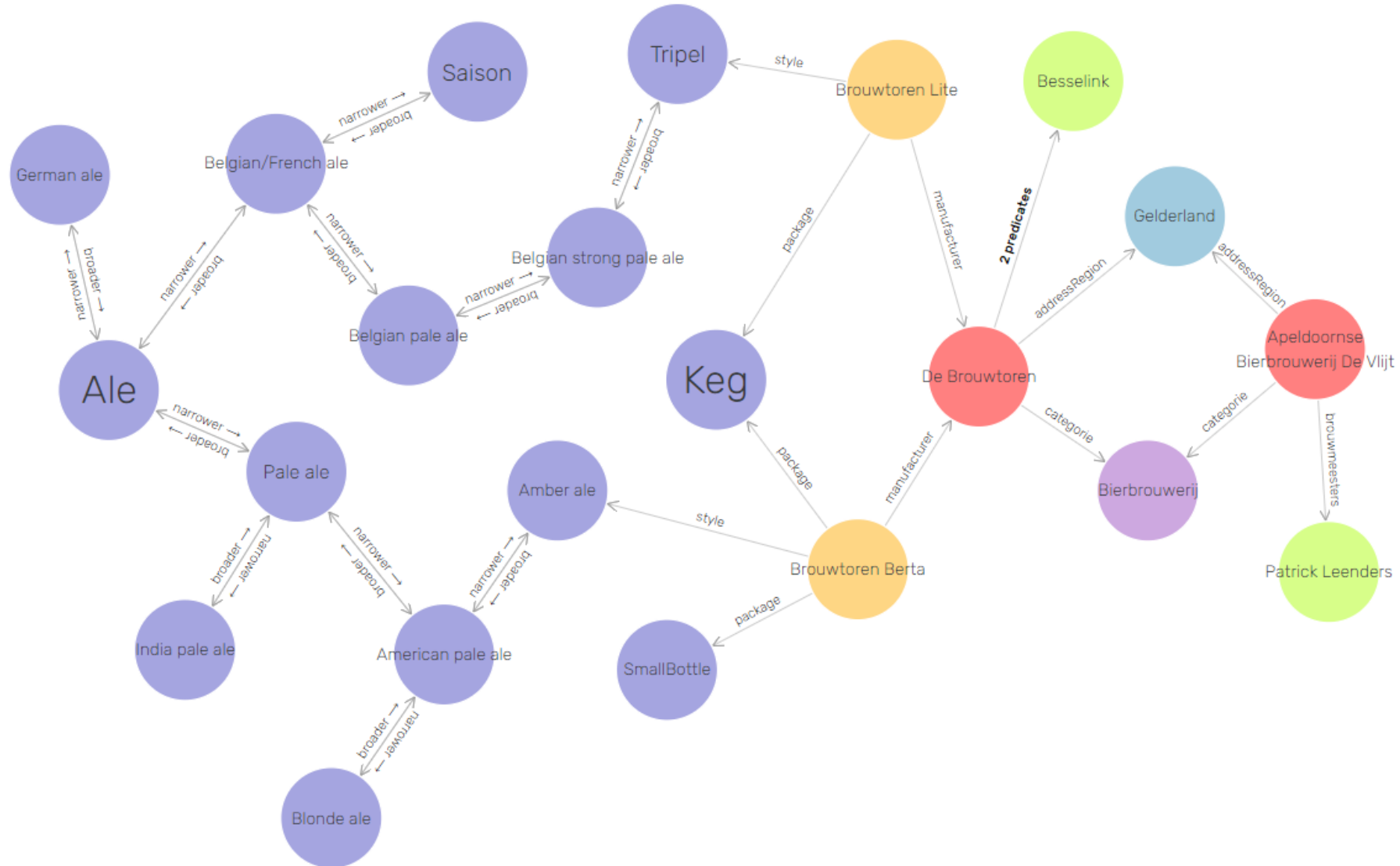
# Linked Beer results: Bottled





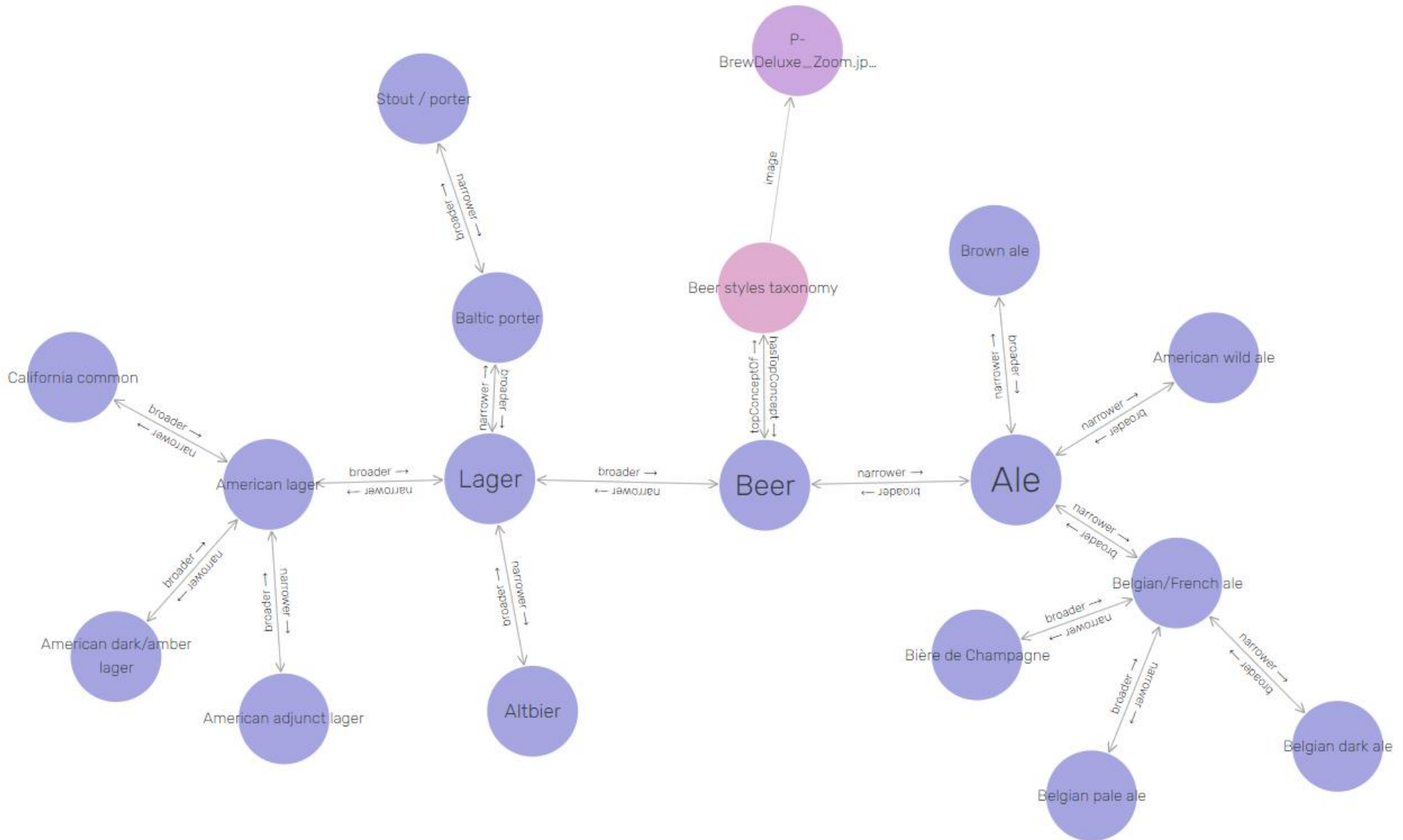


# Linked Beer examples: Beer & breweries



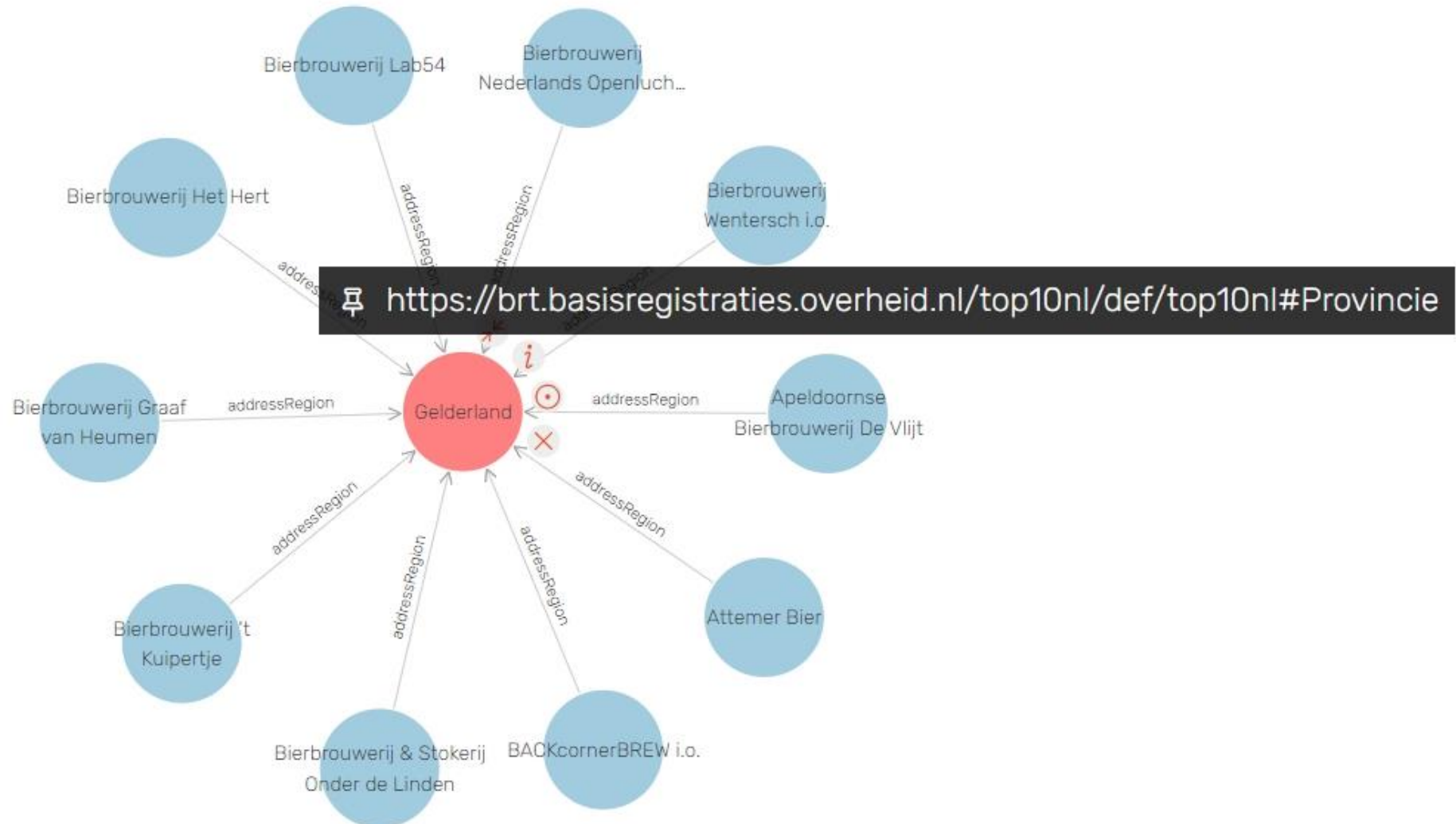


# Linked Beer examples: Beer styles





# Linked Beer examples: Brewery network





# Get started..., courses

- **Inria** Introduction to a Web of Linked Data:  
<https://www.fun-mooc.fr/courses/course-v1:inria+41013+session03/about?platform=hootsuite>
- **OpenHPI** Semantic Web Technologies:  
<https://open.hpi.de/courses/semanticweb2017>
- **Linked Data Factory** Several LD courses:  
<https://linkeddatafactory.nl/training/>





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# Get started..., online course (from sept 25<sup>th</sup>, 2017)

<https://learninglab.inria.fr/en/introduction-to-a-web-of-linked-data/>



**Inria Learning Lab**

@InriaLearnLab

Volgen



Understanding [#LinkedData](#) with the recipe of ratatouille. Register to the [#mooc #WoLD](#) [ow.ly/SzHM30e8yXZ](http://ow.ly/SzHM30e8yXZ). Starts Sept 25



06:30 - 3 aug. 2017

... you can still register for this course till nov 19<sup>th</sup>





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# Get started..., online course (from jan 15th, 2018)

<https://open.hpi.de/courses/semanticweb2017>

The screenshot shows the course page for 'Semantic Web Technologies 2018' on the open.hpi.de platform. The page header includes the Hasso-Plattner-Institut logo and the tagline 'Design IT. Create Knowledge.'. The course title 'Semantic Web Technologies 2018' is prominently displayed, along with the instructor's name, Dr. Harald Sack. A yellow banner indicates that the course has not yet started. The navigation menu includes options for Learnings, Discussions, Progress, Collab Space, Course details (which is selected), and Announcements. The main content area features a large image of Michelangelo's 'The Creation of Adam' with a complex network graph overlaid on it. Below the image are social sharing buttons for Facebook, Twitter, Google+, LinkedIn, and Email. A detailed description of the course content is provided, explaining that it covers the fundamentals of Semantic Web technologies, including natural language processing, information retrieval, and knowledge mining. The course will teach how to represent knowledge with ontologies, access semantic data, and use Linked Data and the Web of Data. The course schedule is listed as Monday, January 15, 2018 08:00 (UTC) to Monday, February 26, 2018 20:00 (UTC), and the language is English. An orange button at the bottom right encourages enrollment.

Hasso-Plattner-Institut Design IT. Create Knowledge.

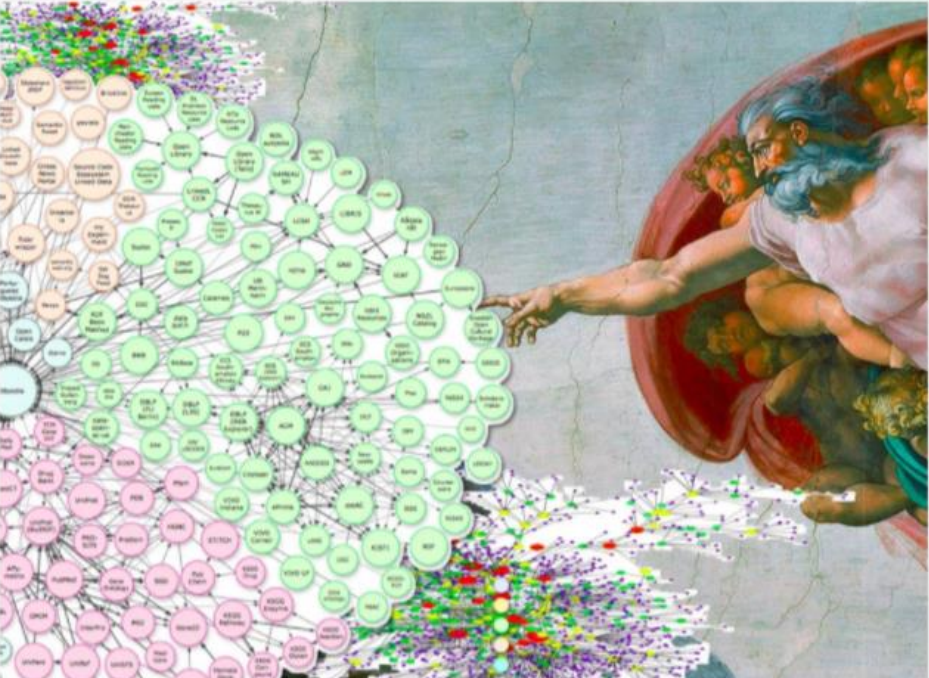
OPEN HPI About openHPI Courses News English Log in

## Semantic Web Technologies 2018

Dr. Harald Sack

Course has not yet started

Learnings Discussions Progress Collab Space Course details Announcements



share tweet G+ share in share mail

The knowledge contained in the World Wide Web is available in interlinked documents written in natural language. To make use of this knowledge, technologies such as natural language processing, information retrieval, data and knowledge mining must be applied. Semantic Web technologies follow an alternative approach by complementing web documents with explicit semantics based on formal knowledge representations, such as e.g. ontologies. In this MOOC, you will learn the fundamentals of Semantic Web technologies and how they are applied for knowledge representation in the World Wide Web. You will learn how to represent knowledge with ontologies and how to access and benefit from semantic data on the Web. Furthermore, you will also learn how to make use of Linked Data and the Web of Data, currently the most popular applications based on Semantic Web technologies.

Monday, January 15, 2018 08:00 (UTC) to Monday, February 26, 2018 20:00 (UTC)

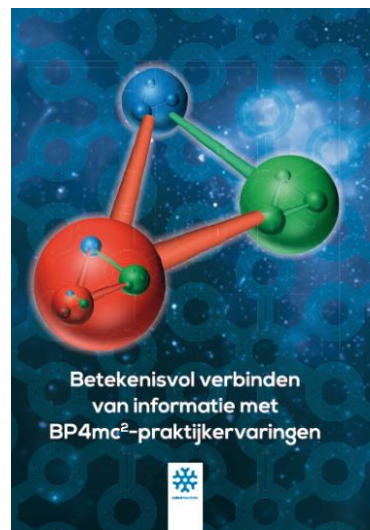
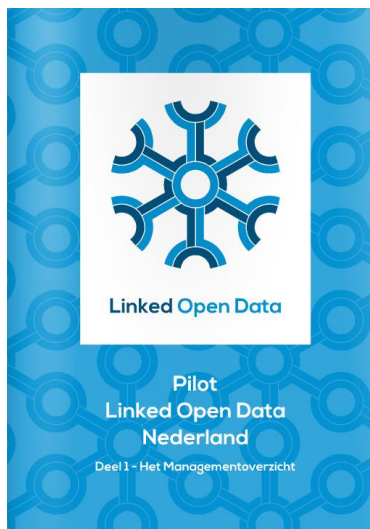
Language: English

Enroll me for this course



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# Invitation to read..., PLDN publications



<http://www.pilod.nl/wiki/Resultaten>







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# PLDN Communication channels

**BIG DATA**  
**VALUE CENTER**  
OPEN INNOVATION CENTER

ECP

Platform voor de  
InformatieSamenleving

## Suggestions & ideas:

**Alwin Sixma**

([alwin.sixma@bdvc.nl](mailto:alwin.sixma@bdvc.nl))

**Pieter van Everdingen**

([info@openinc.nl](mailto:info@openinc.nl))

## Website

[www.platformlinkeddata.nl](http://www.platformlinkeddata.nl)

**LinkedIn-group LOD Nederland**

[www.linkedin.com/groups/466278](http://www.linkedin.com/groups/466278)

## Twitter

hashtag #linkeddatanl

## Newsletter

[www.pldn.nl/wiki/Nieuwsbrieven](http://www.pldn.nl/wiki/Nieuwsbrieven)