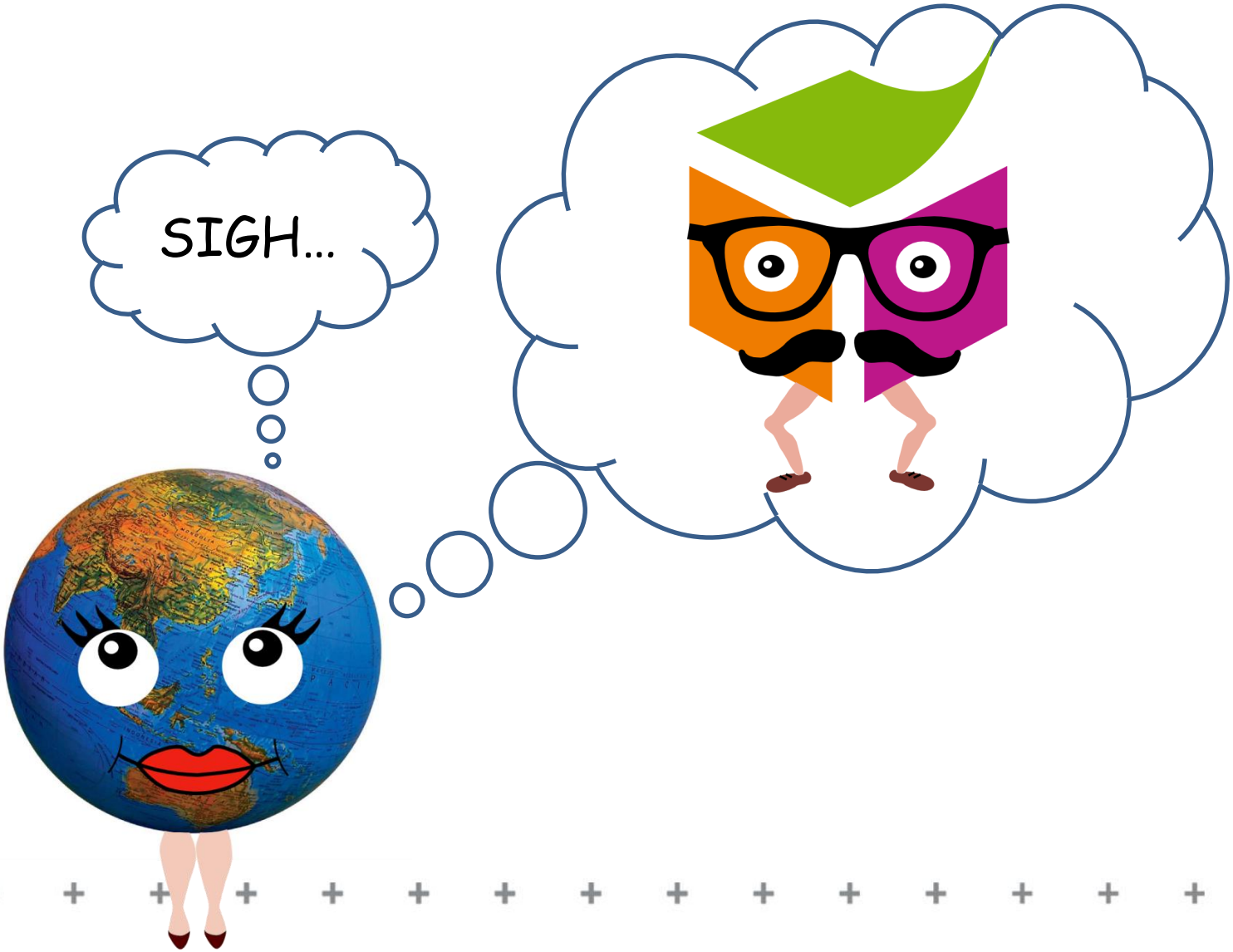
Linked Data and Geoinformatics – a love story

Frans Knibbe
Geodan

MONGOLIA
INDONESIA

MONGOLIA
INDONESIA


SIGH…

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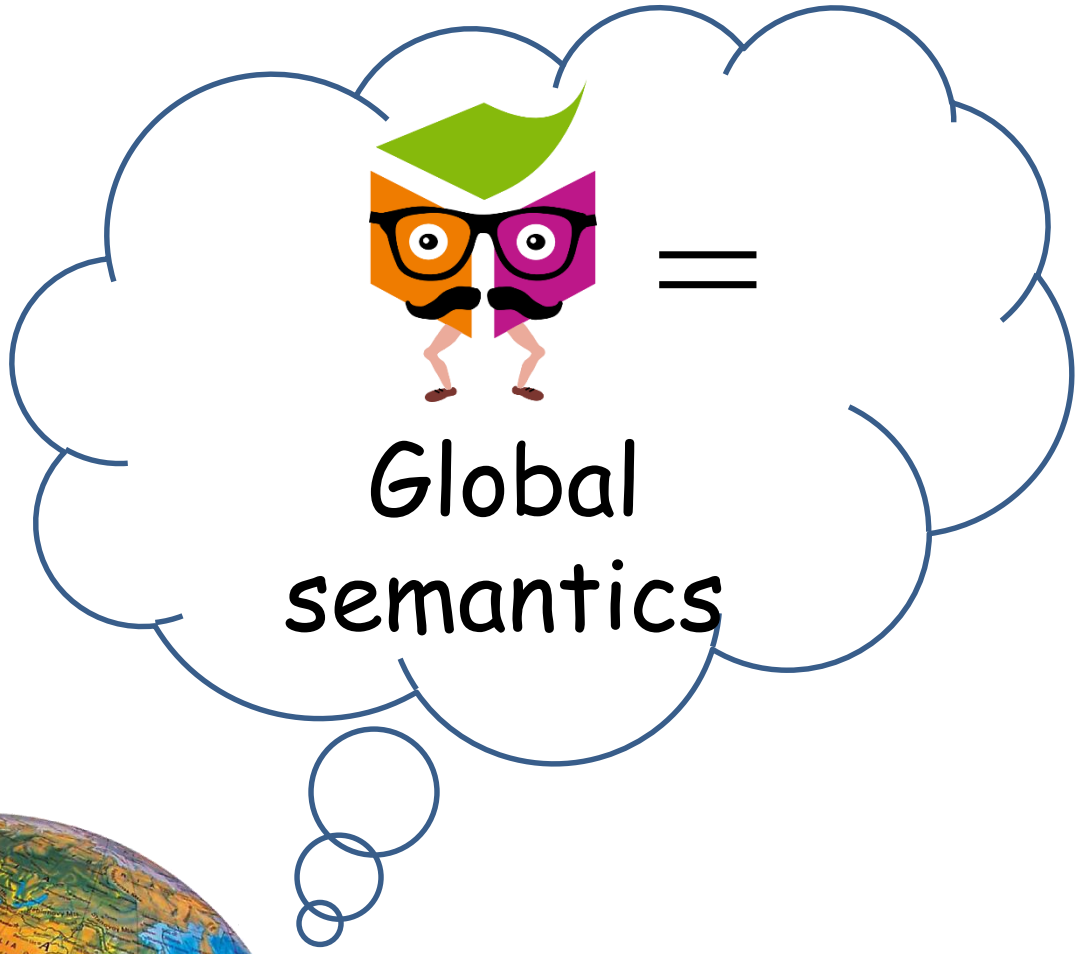
Desilofication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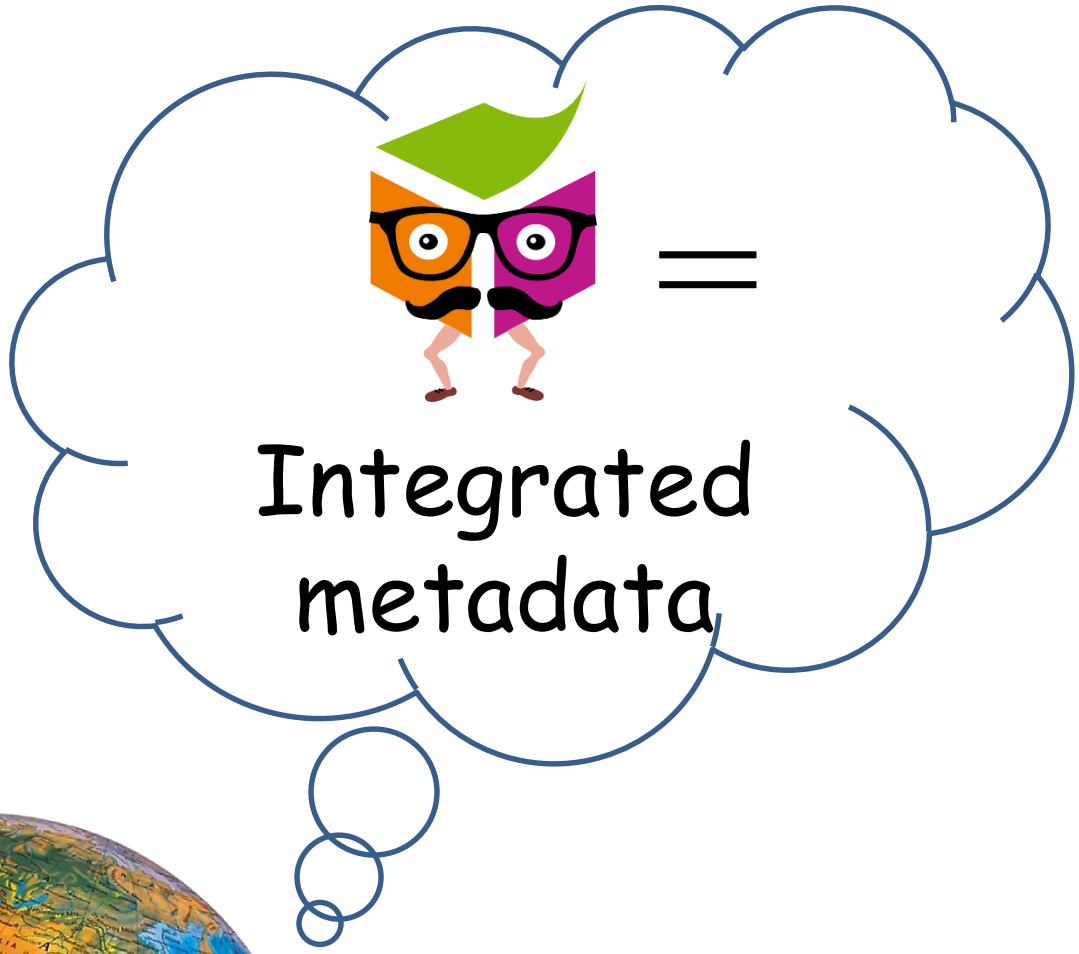
Global
semantics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Integrated
metadata

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Critical mass?

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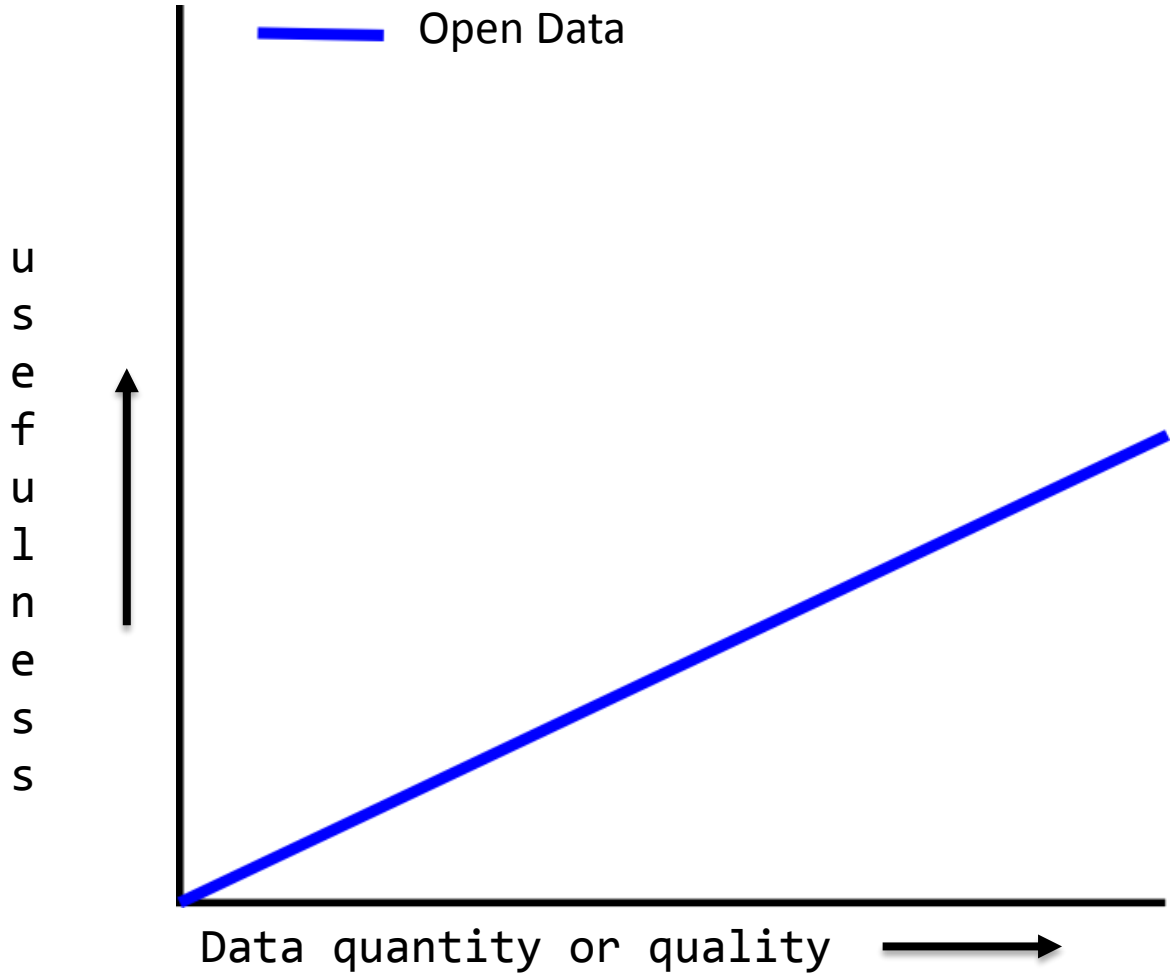
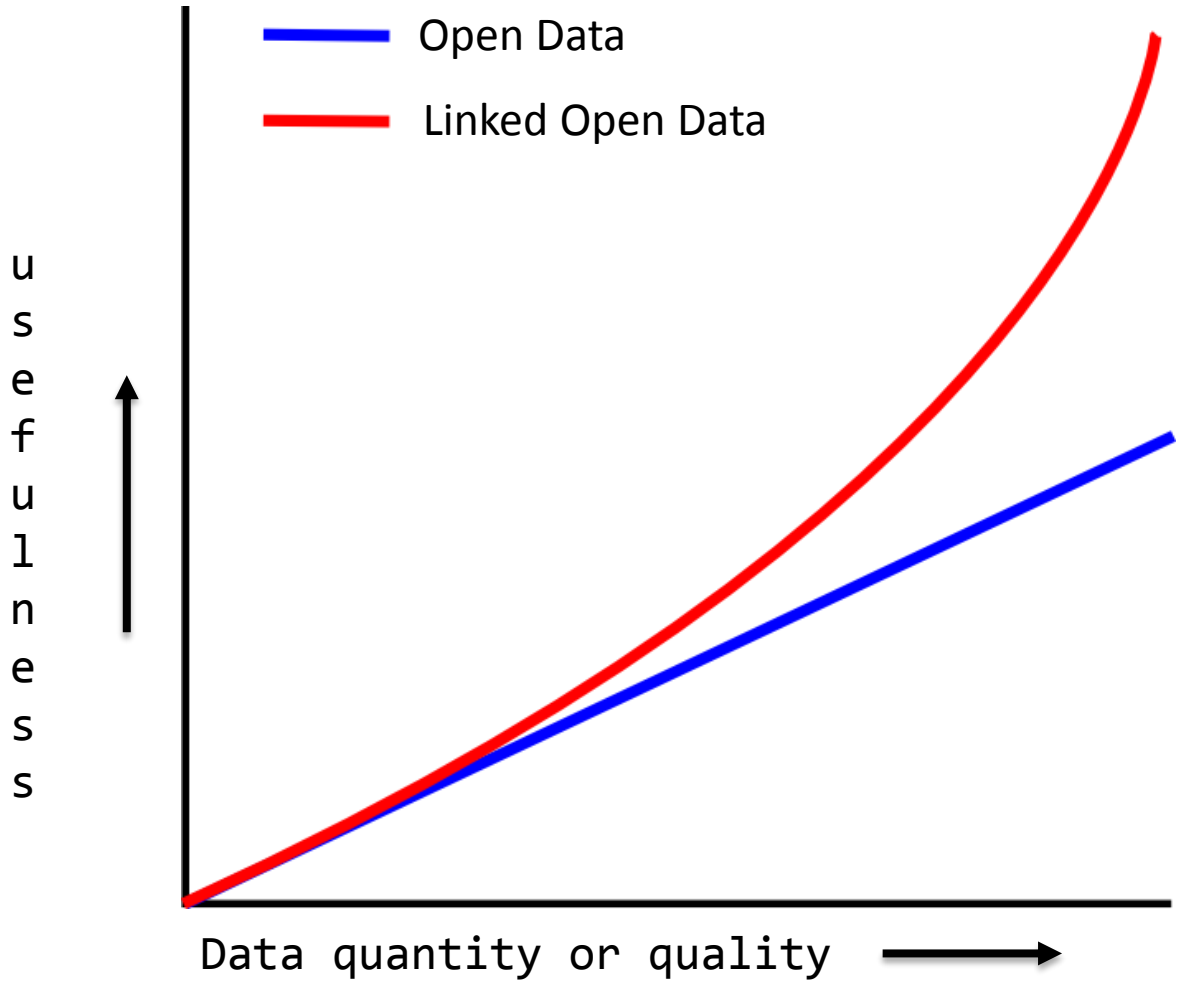
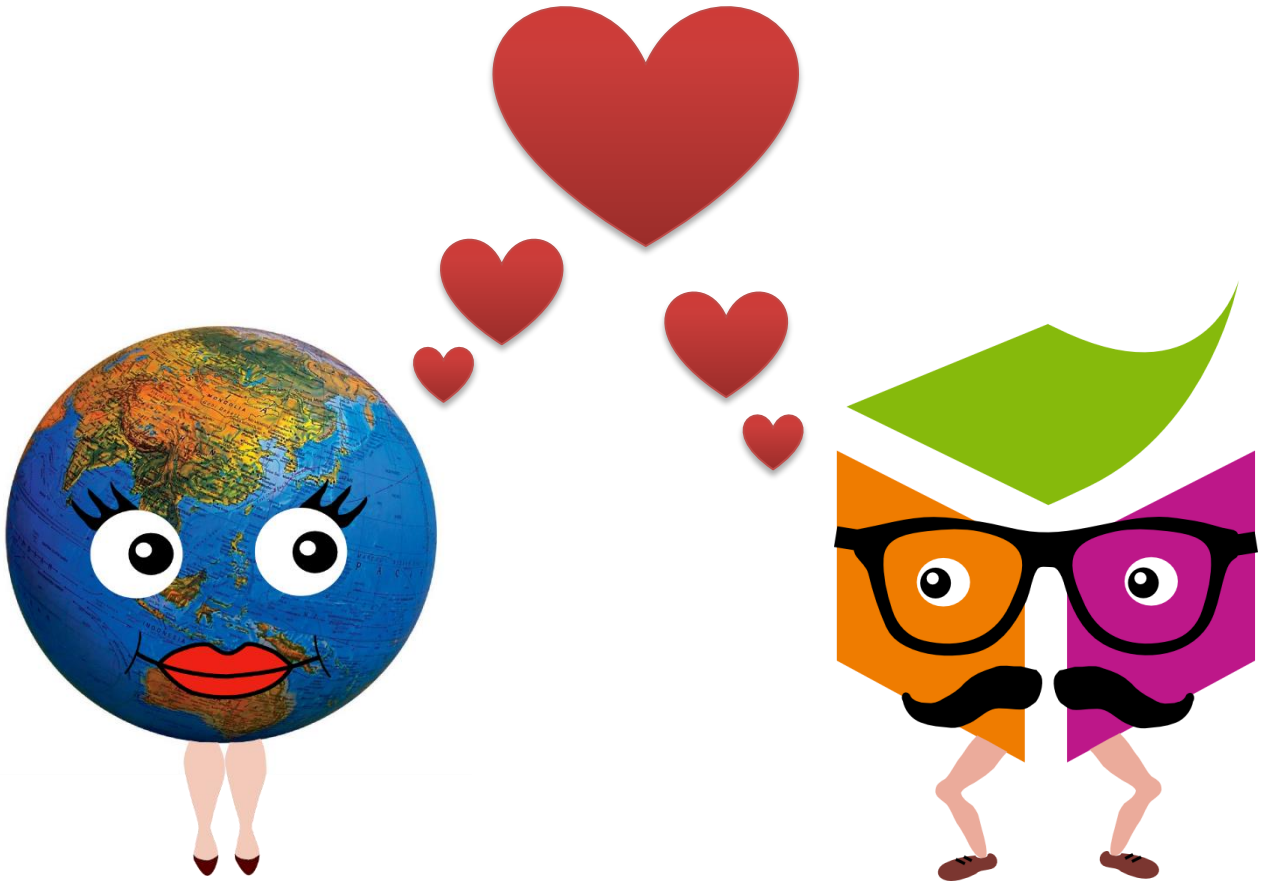
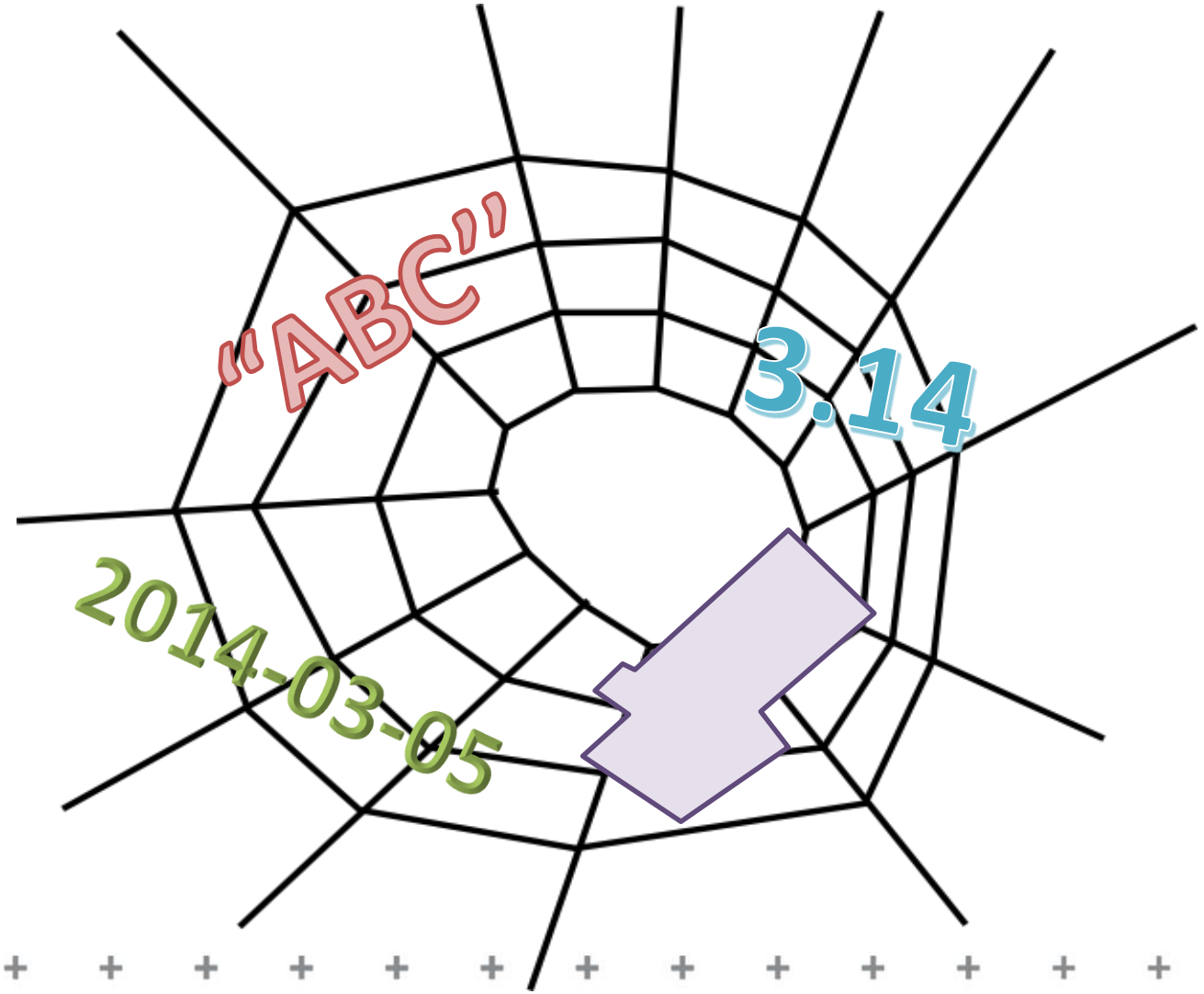
Enhanced connectivity

- Direct linking
- Shared semantics
- Topology!


Open Data
usefulness
Data quantity or quality


Open Data
Linked Open Data
usefulness
Data quantity or quality



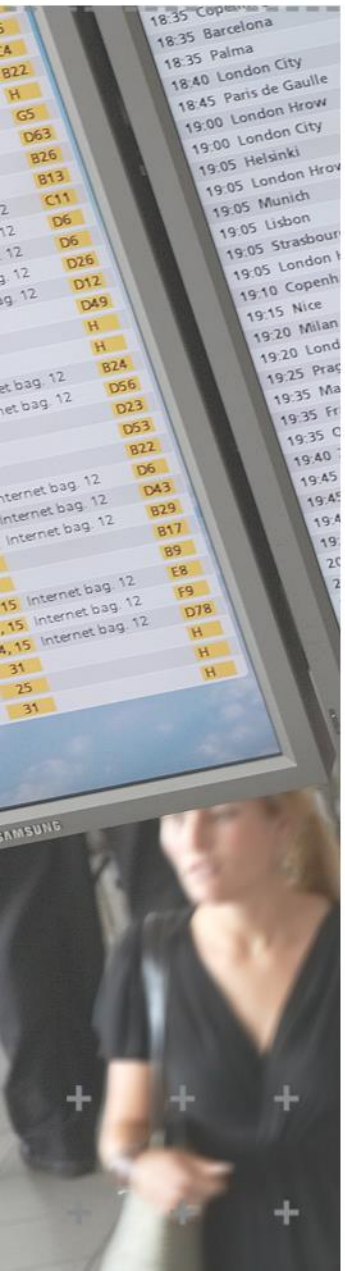

"ABC"
3.14
2014-03-05

Geodan → Mind the gap!

www.geodan.com

> Semantics:

- > How to encode geometry?
- > Topological functions (within, overlap, nearest neighbour, …)
- > Utility functions (calculate bounding box, transform coordinates, …)
- > Data on coordinate reference systems used



- Metadata:
  - Is this a spatial dataset?
  - What is the spatial extent?
  - Which coordinate reference systems are used?
  - What is the spatial resolution (level of detail/spatial accuracy)?
  - 2D or 3D?

- Software support
  - Spatial datatypes and functions
  - Performance (spatial indexing)

p	o
http://www.w3.org/1999/02/22-rdf-syntax-ns#type	http://lod.geodan.nl/vocab/bag.ttl#woonplaatsmutatie
http://lod.geodan.nl/vocab/bag.ttl#woonplaats	http://lod.geodan.nl/basisreg/bag/woonplaats/id_1024
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> Lower threshold for application developers

DESILOFICATION

The happy ending

☺

Geodan

President Kennedylaan 1
1079 MB Amsterdam (NL)
Tel: +31 (0)20 – 5711 311
Fax: +31 (0)20 – 5711 333
E-mail: info@geodan.nl
Web: www.geodan.nl

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