# RAIRD Remote Access Infrastructure for Register Data

### Documenting the life-cycle of every data point

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# RAIRD (See http://raird.no)

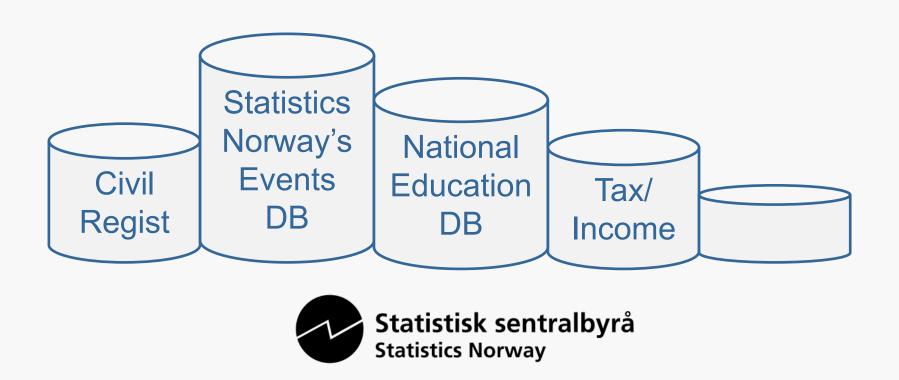
NORD-i
(Data Curation Platform)

DDI Moving Forward (Data Description)



#### Goal of RAIRD:

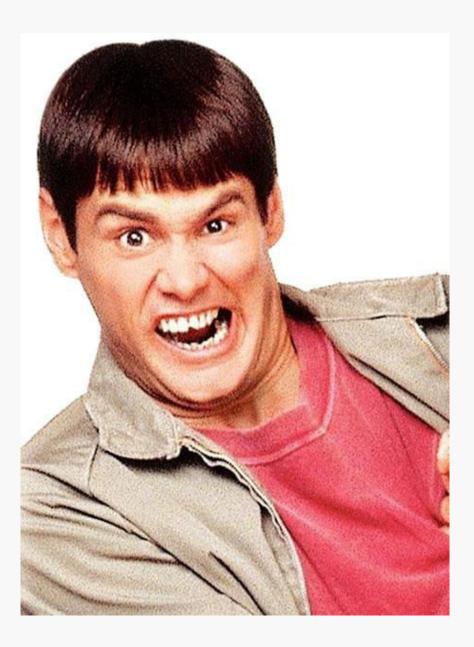
Increase research on data from administrative registers





## 50-60 SAS-files

and a PDF







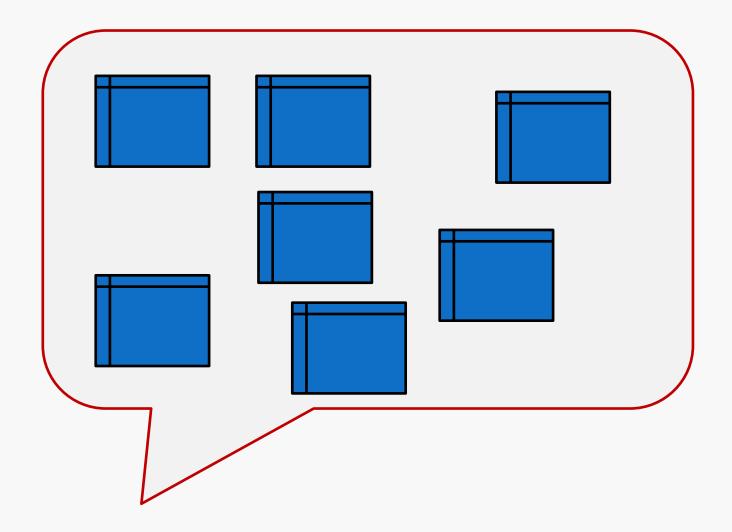
### More abstractions

or

Deeper understanding?

### File-based vocabulary





### GSIM had «Datum»

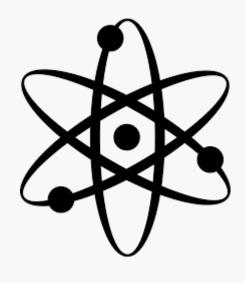






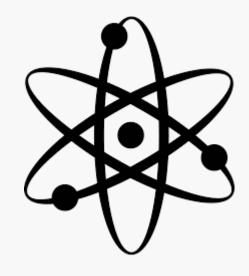






**Datum** 





Datum
- the key to
understanding (all?)
data



# Multi-level event-history data

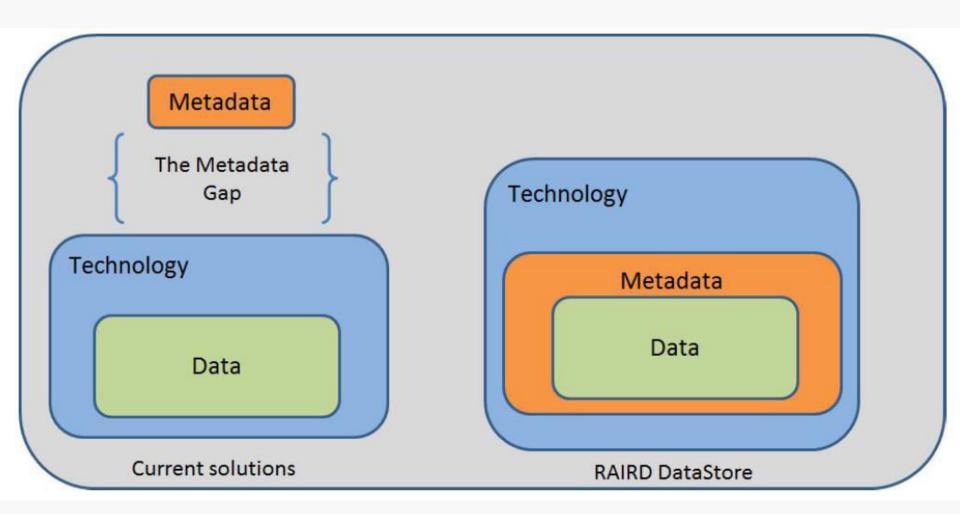
Longitudinal

**Cross-sectional** 

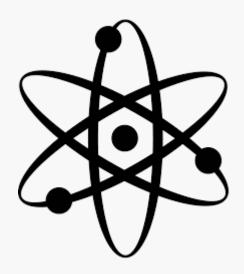
Aggregate

### DDI Data Description to the Datum-level?



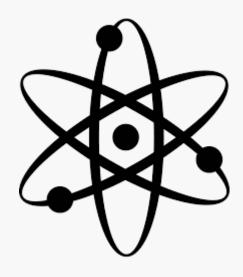






Bottom-up approach

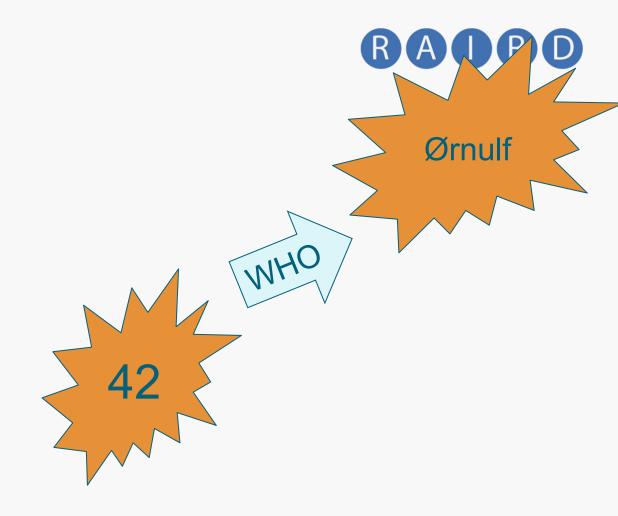


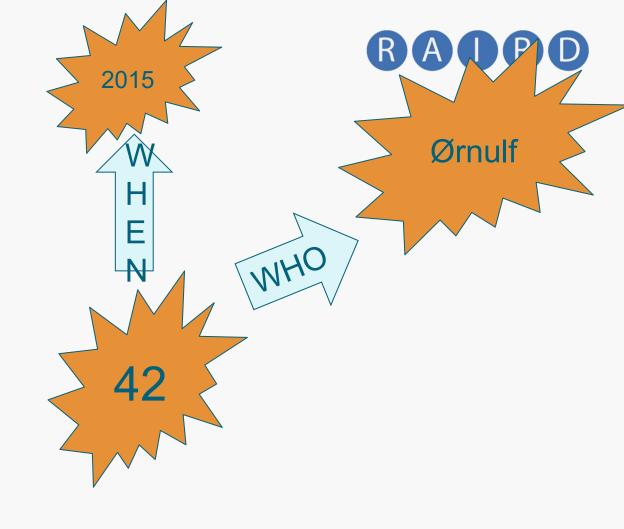


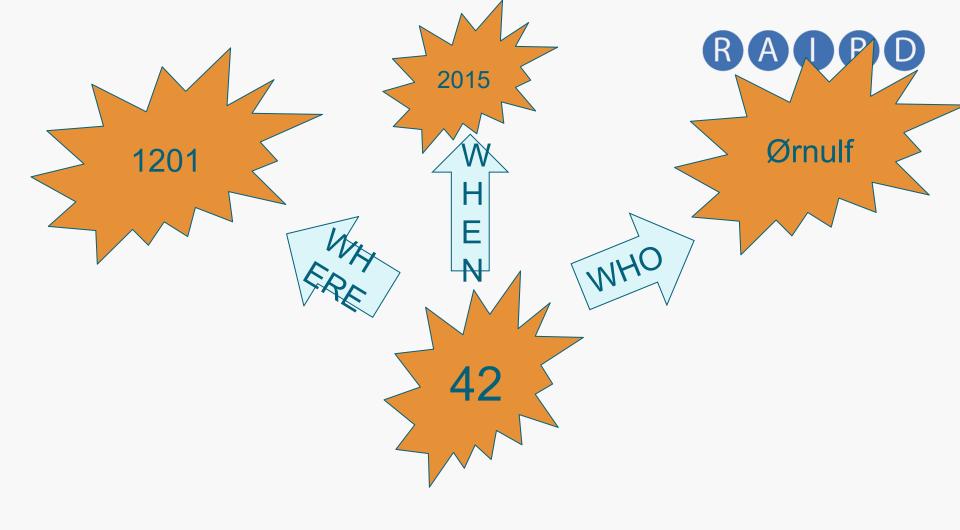
# How Datums are related

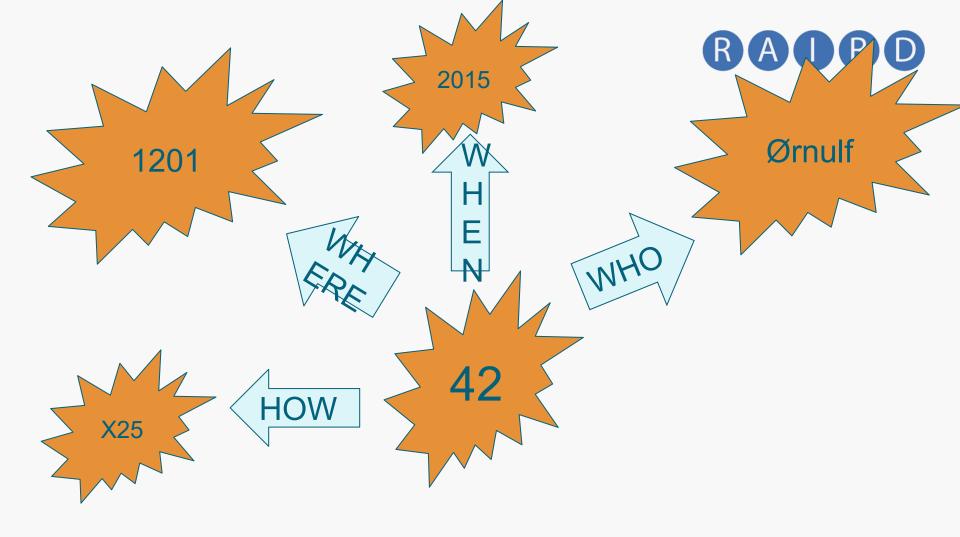


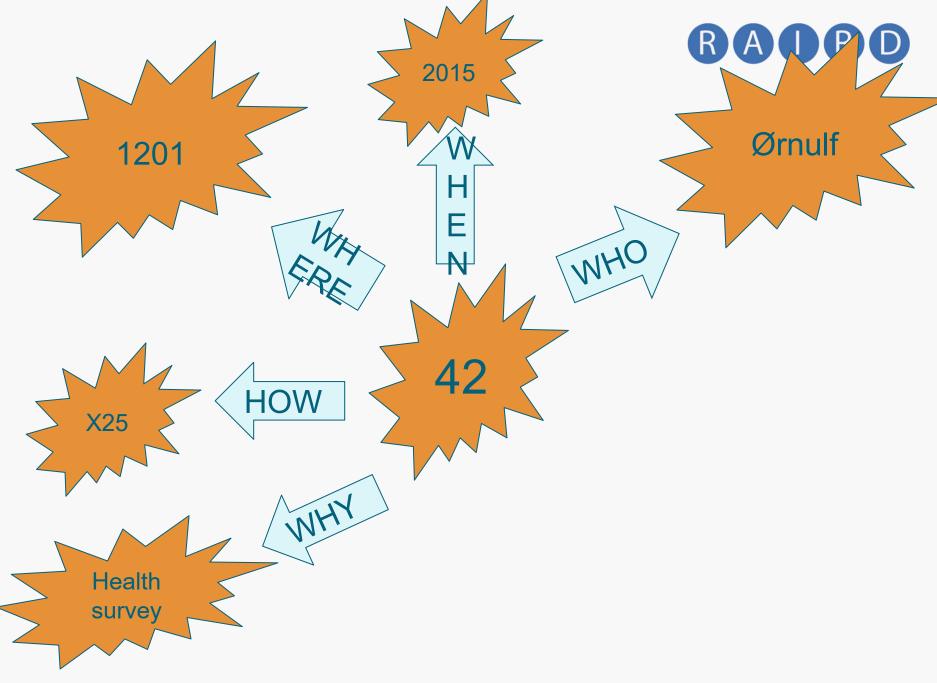


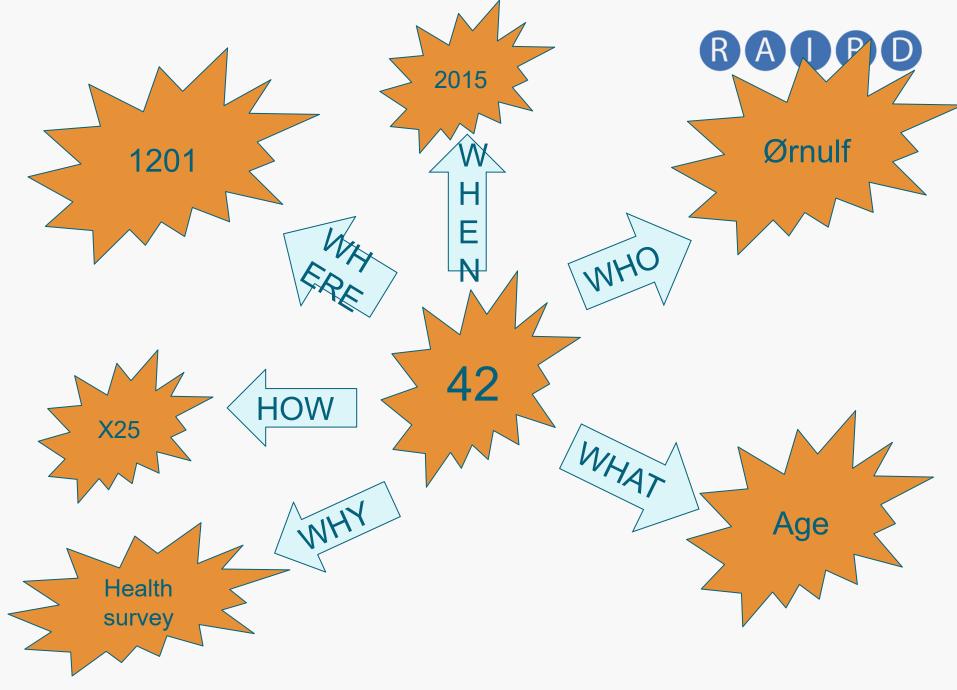


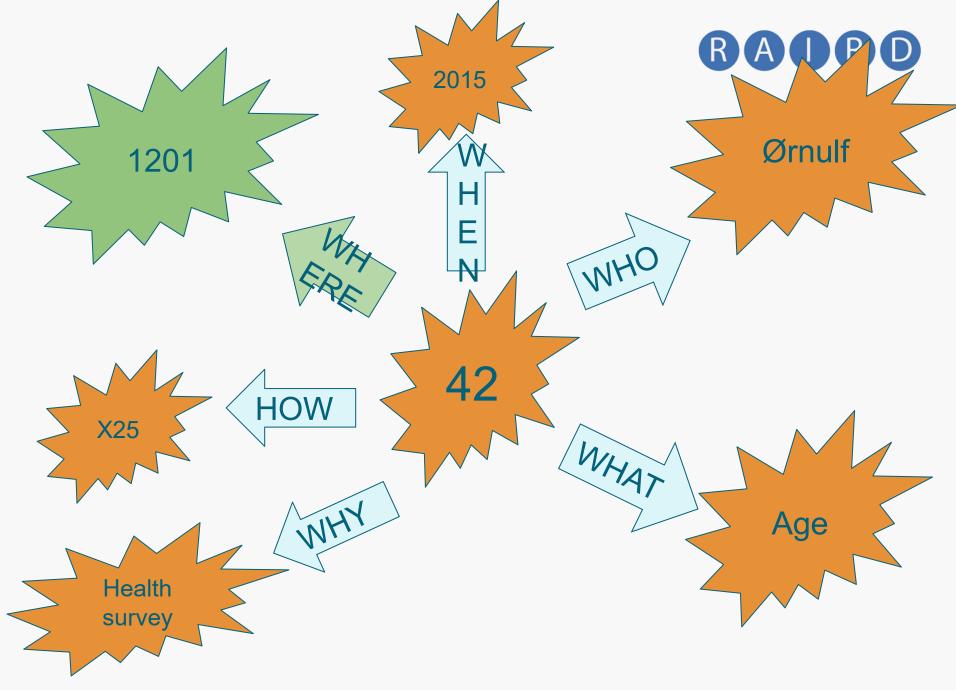




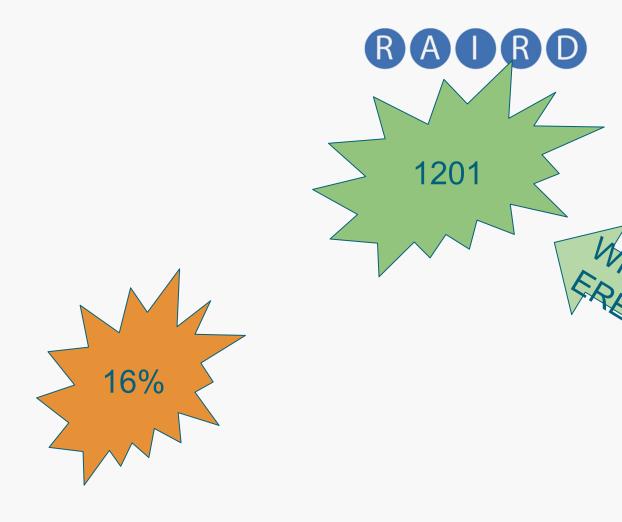


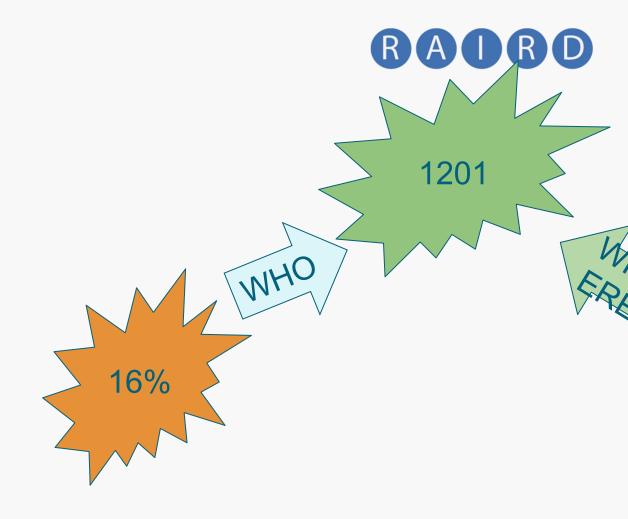


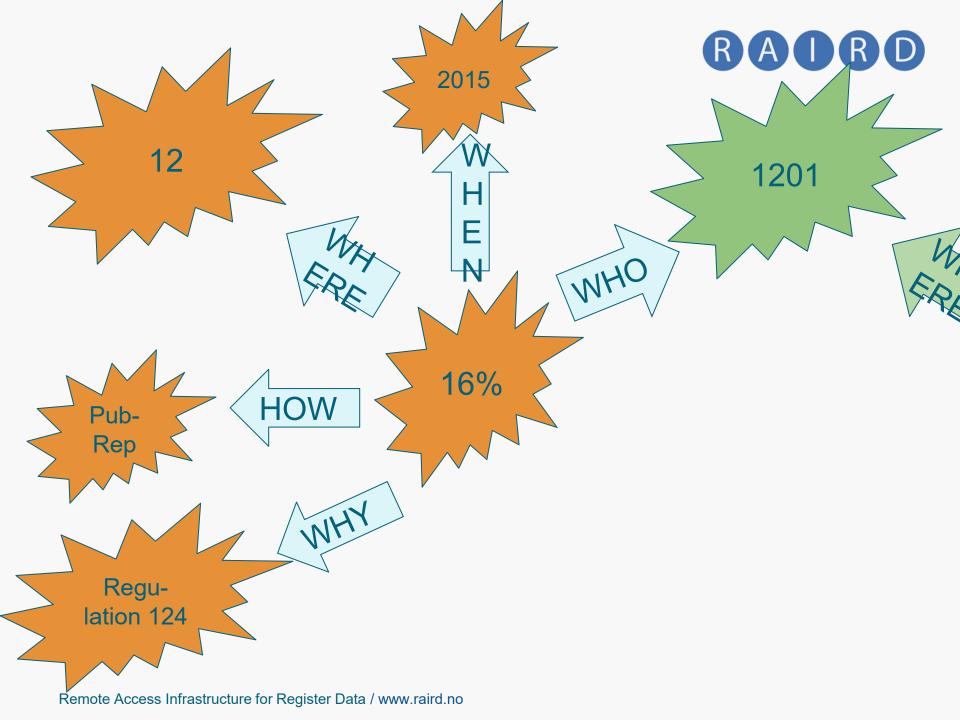


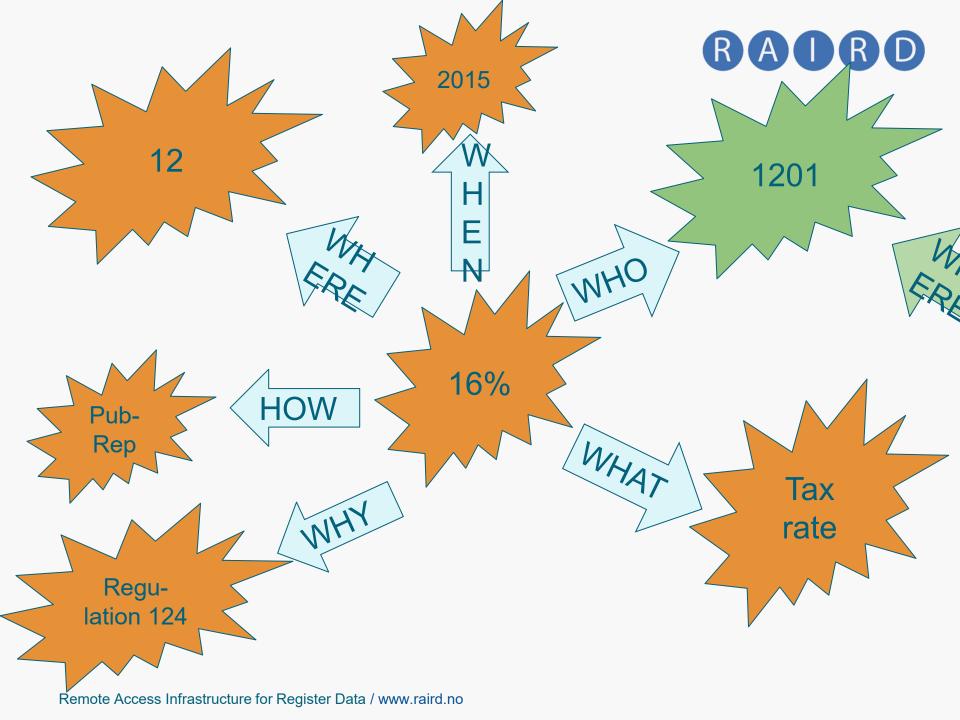


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# **Every Datum needs context**

# Every Datum is a potential **Metadatum**

#### Datums and metadatums











Conceptual Variable

Conceptual Variable

Conceptual domain

Represented Variable

Represented Variable

Value domain

Instance Variable Instance Variable









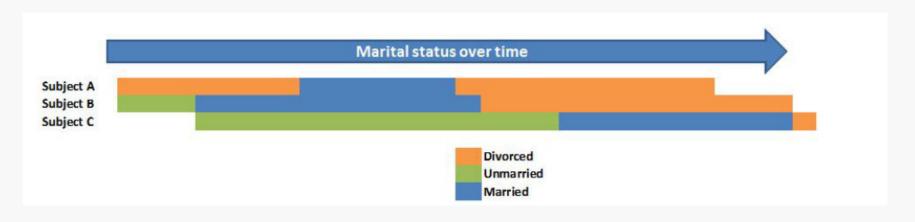
# DDI Data Description can bridge the metadata gap

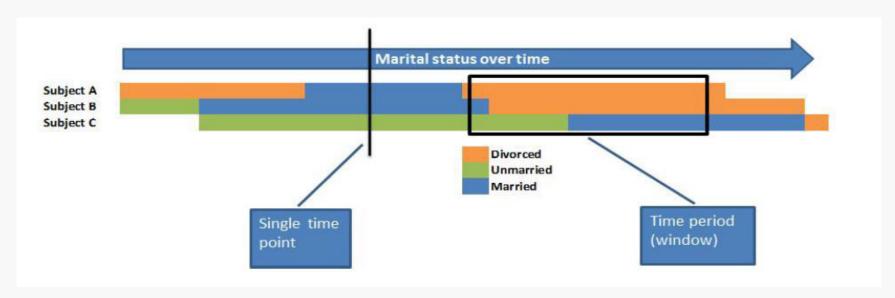
# A <u>consistent</u>, logical model for data AND metadata



- Datum-level revision control
- Git-like collaborative workflows
- Automated testing
- Continuous delivery
- Audit trails and activity reports
- Flexible query capabilities...









import mar\_stat 2011-01-01

import mar\_stat
2016-01-01 to 2009-04-01