

# Linked Open NPD FactPages

Martin G. Skjæveland

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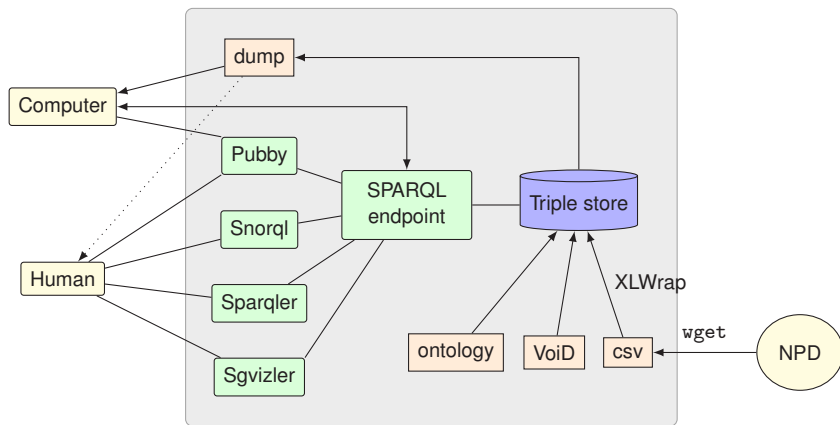
- Self-initiated project to learn about Linked Open Data (LOD) and semantic web technologies and tools:
  - Joseki, XLWrap, Pubby, Elda, VoiD vocabulary, Pellet.
- NPD FactPages: “Information regarding the petroleum activities on the Norwegian shelf.”
- Plan: be better than the original!
  - Improved browsing.
  - Visualisation: production stats., timelines, maps, . . .
  - LOD-stuff: RDF, SPARQL endpoint, RESTful
  - Small ontology → reasoning

# Linked Open Data

- Create a web of data, where the data *is* the web.
- Tim Berners-Lee's star rating system for linked open data:
  - ★ Available on the web (whatever format), but with an open licence.
  - ★★ Available as machine-readable structured data (e.g. excel instead of image scan of a table).
  - ★★★ as (2) plus: non-proprietary format (e.g. CSV instead of excel).
  - ★★★★ All the above plus: use open standards from W3C (RDF and SPARQL) to identify things, so that people can point at your stuff.
  - ★★★★★ All the above, plus: link your data to other people's data to provide context.

# Linked Open NDP FactPages

## architecture



<http://sws.ifi.uio.no/project/npd/>