

ONTOPIC

The Virtual Knowledge
Graph Company

Ontopic - The Company

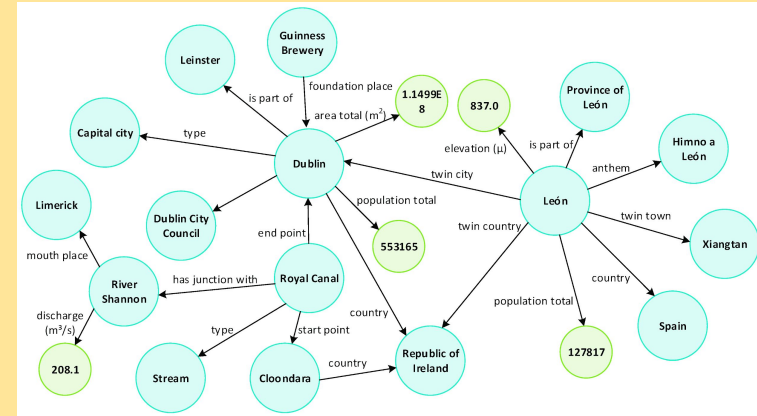
- ❖ founded in April 2019
- ❖ spin-off of the Free University of Bozen-Bolzano
- ❖ incubated at NOI Techpark



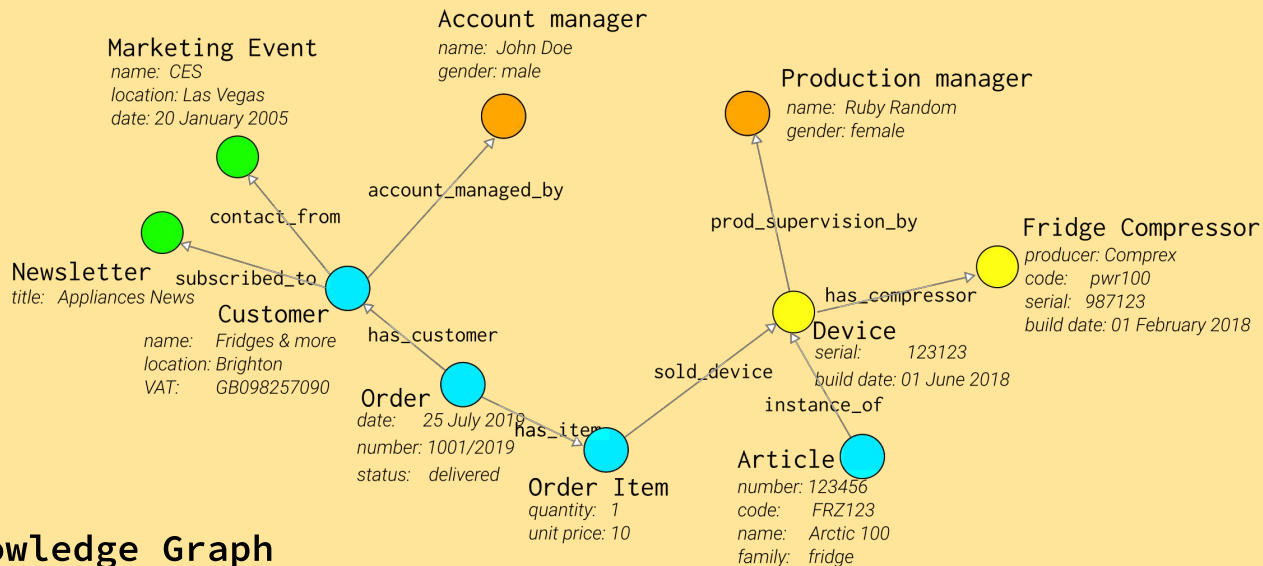
Introducing Virtual Knowledge Graphs

Knowledge Graphs are

- ❖ a extremely flexible way to put “**knowledge**” into computer memory
- ❖ good for showing how data is connected
- ❖ easy to combine one with the other

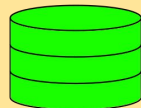


Go virtual!

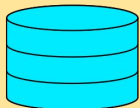


Virtual Knowledge Graph

Legacy Systems



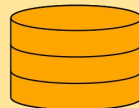
CRM



Sales



Manufacturing



HR



Virtual means that

- ❖ data stays in the existing system
- ❖ data looks behaves like a Knowledge Graph

this is what we call a

Virtual Knowledge Graph (VKG)



VKG is ideal for

- ❖ Data Integration
- ❖ Stable and powerful API



Open Data Hub (ODH)

Data about the tourism domain

- ❖ Accommodation
- ❖ Gastronomy
- ❖ Sport
- ❖ Events
- ❖ etc.

Supported by NOI

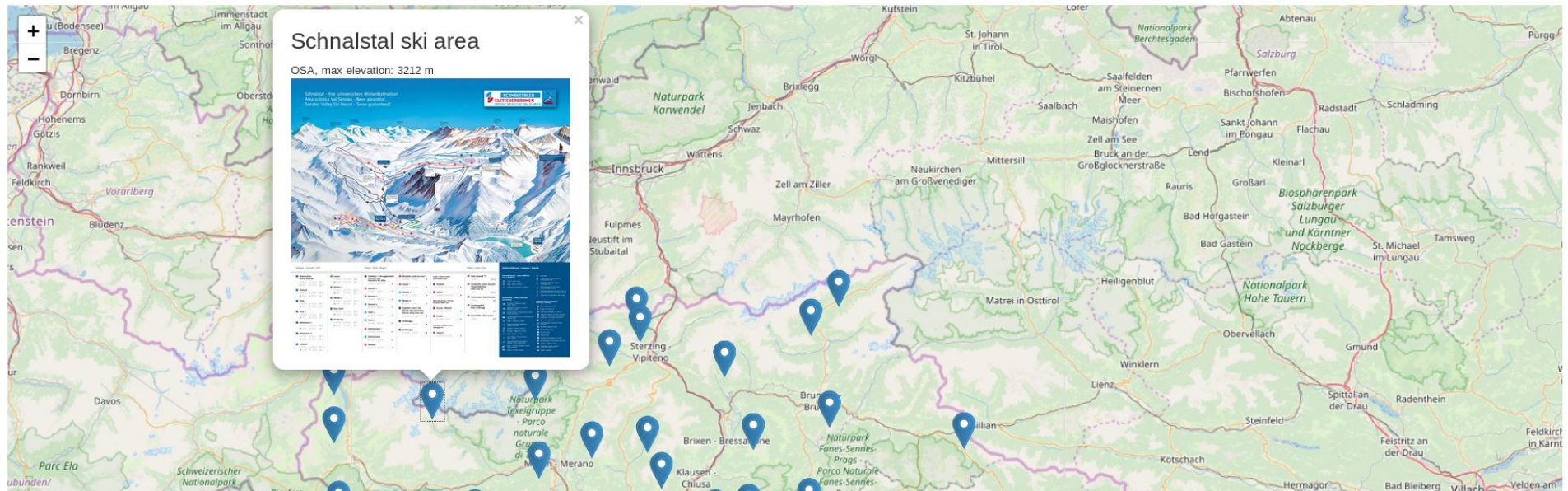


endpoint address: <https://sparql.opendatahub.testingmachine.eu/sparql> | v4.0.0-SNAPSHOT

 /sparql 

```
1 PREFIX : <http://noi.example.org/ontology/odh#>
2 PREFIX geo: <http://www.opengis.net/ont/geosparql#>
3 PREFIX schema: <http://schema.org/>
4
5 SELECT ?pos ?posLabel
6 WHERE {
7   ?s a schema:SkiResort ;
```

Table Response Pivot Table Google Chart **Geo**  



ODH SPARQL endpoint

- ❖ VKG powered by Ontop (open-source)
- ❖ Using schema.org as vocabulary
- ❖ Available online or locally via Docker



Amazon Alexa

- ❖ Voice User Interface
- ❖ You can build your own skills
- ❖ Can be used to query Knowledge Graphs



Prize criteria

- ❖ Use data from the ODH SPARQL endpoint for constructing Alexa responses
- ❖ Alexa responses should appear as natural and as relevant as possible



Prize

One Amazon voucher of 100€ for each member of the winning team



Last but not least

We will be hiring in 2020!

Let's get in touch

