

## PLDN UX Linked Data Challenge - VGI Analysis met Linked Data

### Specific challenge introduction

This challenge aims at producing a rich information picture of a smaller area in a medium to large city using as many data sources as possible, e.g. Geosocial media, Volunteered Geographic Information (VGI), data from official agencies and other parties and by using lightweight methods to integrate these different data sources. It is important that the data sources are combined at the end of the day via Linked Data and are visualized in an attractive user interface.

### Available data sets and additional data sources

OSM RDF dataset on [http://linkedgeodata.org/  
http://downloads.linkedgeodata.org/releases/2015-11-02/](http://linkedgeodata.org/http://downloads.linkedgeodata.org/releases/2015-11-02/)  
DBpedia  
GeoNames  
Linked Data sources at <https://datahub.io/>

### Possible questions that can be made to the data

1. What role can play Linked Data in analyzing VGI and crow-sourced data?
2. What is the added value of Linked Data?
3. What kind of interfaces and visualizations are most suitable for this type of data?

### Possible approaches and tools

1. Triplify VGI and other data and make them available in a triple store with tools such as Parliament, Virtuoso, Allegro Graph.
2. Create (Geo) SPARQL queries with the integrated Linked Data.
3. Visualize the queries in a web application, e.g. with Javascript or other tools.

The challenge result must be presented the same day during a pitch of 10 minutes. The pitch will also be video recorded live.

### Contact information

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For this specific challenge

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