



Dataset

Status

I N R E V I E W: Pittore, Massimiliano; Haas, Michael; Megalooikonomou, Konstantinos (2018): RRVS Building survey for exposure modelling in Alsace (France). V. 1.0. GFZ German Research Centre for Geosciences. <http://doi.org/10.5880/GFZ.2.6.2018.002>



Released

Data Files

[RRVS_survey_Alsace_Destress_20180321.csv](#) 732
54 Bytes

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Data Description

Supplement to

[http://dx.doi.org/Pittore et al., \(2018\). Risk-oriented, bottom-up modelling of building portfolios with faceted taxonomies, Frontiers in Built Environment](http://dx.doi.org/Pittore et al., (2018). Risk-oriented, bottom-up modelling of building portfolios with faceted taxonomies, Frontiers in Built Environment)

Related Work

References

<https://taxonomy.openquake.org>

Brzev S., C. Scawthorn, A.W. Charleson, L. Allen, M. Greene, K. Jaiswal, V. Silva (2013) GEM Building Taxonomy Version 2.0. GEM Technical Report 2013-02, Version: 1.0.0. URL: <https://www.globalquake-model.org/single-post/2017/05/17/GEM-Building-Taxonomy-Version-20>

Find More Research Data

<http://bib.telegrafenberg.de/finden/datenbanken/forschungsdaten/>

Abstract

The dataset contains a set of structural and non-structural attributes collected using the GFZ RRVS (Remote Rapid Visual Screening) methodology in Alsace, France, within the framework of the DESTRESS project. The survey has been carried out between May and June 2017 using a Remote Rapid Visual Screening system developed by GFZ and employing omnidirectional images from Google StreetView (vintage: February 2011) and footprints from OpenStreetMap. Surveyor: Konstantinos G. Megalooikonomou (GFZ German Research Centre for Geosciences) The attributes are encoded according to the GEM taxonomy v2.0 (see <https://taxonomy.openquake.org>"><https://taxonomy.openquake.org>)

The following attributes are defined (not all are observable in the RRVS survey):
code,description

lon, longitude in fraction of degrees
lat, latitude in fraction of degrees
object_id, unique id of the building surveyed
MAT_TYPE,Material Type
MAT_TECH,Material Technology
MAT_PROP,Material Property
LLRS,Type of Lateral Load-Resisting System
LLRS_DUCT,System Ductility
HEIGHT,Height
YR_BUILT,Date of Construction or Retrofit
OCCUPY,Building Occupancy Class - General
OCCUPY_DT,Building Occupancy Class - Detail
POSITION,Building Position within a Block
PLAN_SHAPE,Shape of the Building Plan
STR_IRREG,Regular or Irregular
STR_IRREG_DT,Plan Irregularity or Vertical Irregularity
STR_IRREG_TYPE,Type of Irregularity
NONSTRCEXW,Exterior walls
ROOF_SHAPE,Roof Shape
ROOFCOVMAT,Roof Covering
ROOFSYSMAT,Roof System Material
ROOFSYSTYP,Roof System Type
ROOF_CONN,Roof Connections
FLOOR_MAT,Floor Material
FLOOR_TYPE,Floor System Type
FLOOR_CONN,Floor Connections

Dataset Contact

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Keywords

geological process > seismic activity, risk > natural risk, safety > risk assessment > disaster preparedness, safety > risk assessment > natural risk analysis, safety > risk assessment > risk exposure, induced seismicity, taxonomy, RRVS, GEM

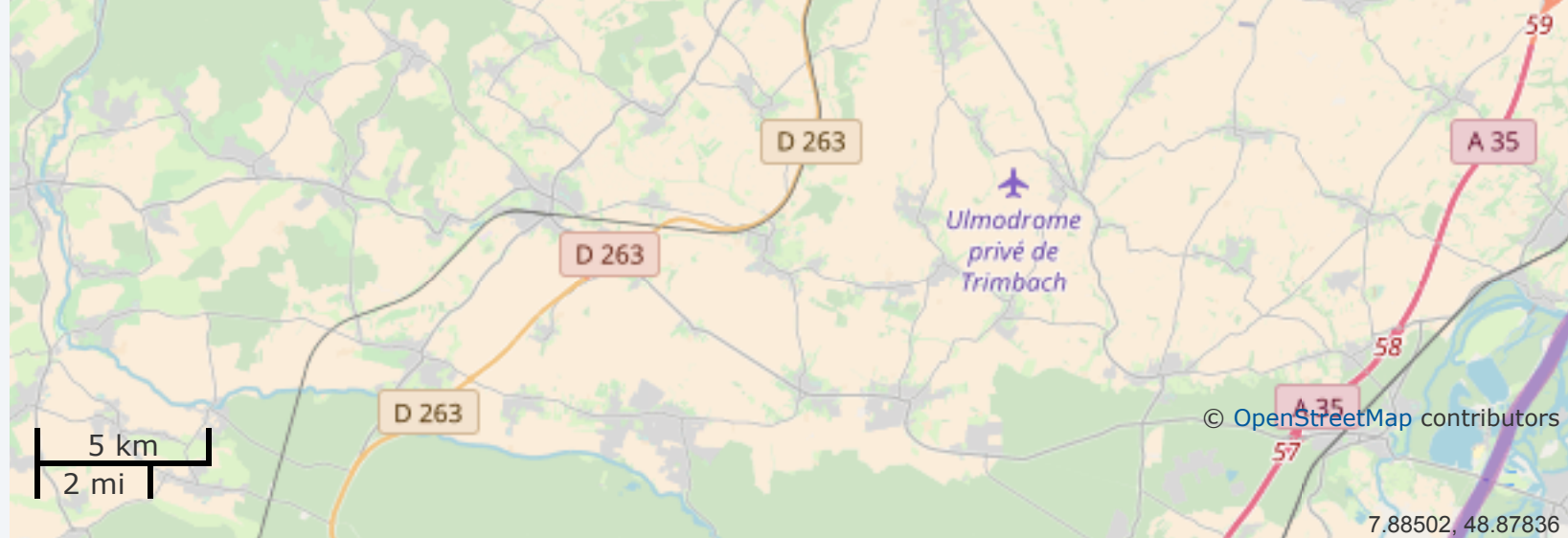
More Metadata

iso19115: [view inline](#) / [download xml](#)
datacite: [view inline](#) / [download xml](#)
dif: [view inline](#) / [download xml](#)
escidoc: [view inline](#) / [download xml](#)

Location

Click/hover over markers or bounding boxes to see related details. Click/hover over details to see related marker or bounding box.





Time span of the actual RRVS survey

48.96580
7.86419 7.95077
48.89140

• **Vintage of the GoogleStreet images used in the survey**

48.96580
7.86419 7.95077
48.89140



Start (Date/Time): 2017-06-01

End (Date/Time): 2017-07-01