

8 February 2023

Original: English

**United Nations Group of Experts on
Geographical Names**
2023 session
New York, 1–5 May 2023
Item 14 of the provisional agenda*
Geographical names data management

Availability of Dutch geographical names as linked data

Summary**

Kadaster, the cadastre, land registry and mapping agency of the Netherlands, has made various key registers available as linked data in support of the ongoing development and application of linked data technologies within the country's Government. In a recent update to the approach taken in publishing linked data, several of these key registers, including topographical and address registers, were published under shorter time frames and with fewer resources than previous approaches. This update was also a precursor to the development and realization of the Kadaster Knowledge Graph.

The Graph itself, as well as the associated supporting architecture, is completely open standards-based to support the interoperability of this source of information with other sources, both governmental and third-party. Several open key registers are included in the Graph, the most notable for geographical names being the Key Register of Topography (BRT). Geospatial objects with geographical names available in this key register are now linked with those from other registers, providing users with rich, integrated information about geospatial objects from one source.

Technical users and third parties are able to access this information through various standards-based service interfaces, including SPARQL and Elasticsearch. These same services are also used by data browser and viewer applications aimed at providing non-technical users with access to this information in a low-threshold manner, for example Object Viewer and Toponamenzoeker ("topo names finder"). The Kadaster Knowledge Graph forms part of a larger vision for an ecosystem of federated data sources based on semantic technologies.

* [GEGN.2/2023/1](#).

** The full report was prepared by Alexandra Rowland, Kadaster. The report will be available at https://unstats.un.org/unsd/ungegn/sessions/3rd_session_2023/, in the language of submission only, as document GEGN.2/2023/63/CRP.63.

