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Interlinking Ireland's authoritative geospatial Linked Data datasets to Linked Open Data on the web

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Abstract

As a member of the Open Government Partnership (OGP), the government of the Republic of Ireland is committed to promote open data and transparency. Thus, several public organisations have made their data publicly available on the Open Data Portal. These include Ordnance Survey Ireland (OSi), the national mapping agency, that has published the geospatial data of the Republic of Ireland as Linked Data on their website. Linking this data with existing Linked Data datasets on the web can allow easier third party access to authoritative geospatial information about the Republic of Ireland. This serves as a motivation to find links between the datasets from OSi and the datasets in the Linking Open Data (LOD) cloud

The talk will review the work undertaken to link the instances of the counties and townlands of Ireland in OSi dataset to their corresponding instances in DBpedia and LinkedGeoData. The number of links discovered fulfils the criteria of minimum 50 links needed for addition of a dataset to the LOD cloud. These links have been verified manually for publishing on behalf of OSi.

Beside improving the accessibility of OSi data, the work also provided an opportunity to evaluate the state-of-art tools for automated link discovery on a real-world dataset. Some challenges faced during the work and the insights gained into the (in)appropriateness of the datasets to be linked will also be discussed briefly in the talk.