

# Publishing the Data on Protected Sites in Linked Open Data Space

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## Abstract

This article presents the framework that incorporates two modern trends in data publishing: Linked Open Data technologies and spatial data publishing technologies. The framework includes components for semantic data publishing from relational data sources, data integration and link generation. The SPARQL query answering algorithm that utilizes generated linksets is introduced. This article also presents the Protected Sites ontology for Linked Open Data Space, which follows INSPIRE recommendations and involves common RDF vocabularies.

**Key words:** system integration of spatial data, Linked Open Data, RDF-sets of links, sub-system data publication, data binding.

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