# USING ELI LINKED DATA FOR IMPROVING THE INFORMATION MANAGEMENT IN A LEGAL REGIME VISUALIZATION TOOL

How the use of ELI linked data can improve the updating process of information about legal regime stored in a spatial data infrastructure

DAVID PORTOLÉS RODRÍGUEZ
Idearium Consultores SRL
dportoles@idearium.eu
RAFAEL MARTÍNEZ CEBOLLA
Gobierno de Aragón. Instituto Geográfico de Aragón (IGEAR)
rmartinezceb@aragon.es
RAQUEL MIGUEL SAUCO
Idearium Consultores SRL
rmiguel@idearium.eu

**ABSTRACT:** The Aragonese Government has been storing information about related legal regime in its spatial data infrastructure (IDEAragon) since 2009. This information is available for users by querying a mapping tool that shows the impact of different legislation over the territory.

Historically, the process of managing and collecting information about legislation has been fully manual, requiring an intense workload for being updated.

European Legislation Identifier (ELI) makes legislation available online in a standardised format and it's planned that will be available for all administrative levels involved (mainly European, national, regional and local). An ontology has been defined and, at this moment, there is linked data (RDF) about Spanish and European legislation available using URIs.

By collecting corresponding ELI URI for each legislation data previously stored in IDEAragon, an improvement of information management process has been achieved. Titles in several languages, related dates, versions, subjects, legal value, persistent identifiers, access URL to the Official Journal, etc. can be automatically obtained by accessing to linked data published in RDF.

This paper will describe the process followed by IDEAragon for ELI integration in its information system and all the benefits reached, the problems faced by lack of ELI data and future work planned (scalability of systems, management of historical data, integration of neighbour legislation data, internationalization of legislation data). It will be also described the expected integration of all historical legal data from Aragonese Official Journal (BOA) through an automatic tool designed for this purpose - called GeoBOA- and ELI versioning data.

**PALABRAS CLAVE:** eli, european legislation identifier, legal regime, spatial data infrastructure, viewer.