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ontology repository with OWL EL reasoning -- Towards a Rule Based Distributed OWL Reasoning Framework -- Improving OWL RL reasoning in N3 by using specialized rules -- On the Capabilities and Limitations of OWL Regarding Typecasting and Ontology Design Pattern Views -- How to Keep a Reference Ontology Relevant to the Industry: a Case Study from the Smart Home -- An INSPIRE-based vocabulary for the publication of Agricultural Linked Data -- Towards a Core Ontology of Occupational Safety and Health -- Towards a Visual Notation for OWL: A Brief Summary of VOWL -- Snap-SPARQL: A Java Framework for working with SPARQL and OWL -- An Application Ontology to Help Users of a Geo-decision Software Understanding their Data -- Ontology Engineering: From an Art to a Craft - The Case of the Data Mining Ontologies.

| Sommario/riassunto | This book constitutes the thoroughly refereed post-workshop proceedings of the 12th OWL: Experiences and Directions Workshop, OWLED 2015, held in Bethlehem, PA, USA, in October 2015, co-located with ISWC 2015, the International Semantic Web Conference. The 18 revised papers presented were carefully reviewed and selected from 35 initial submissions. Bridging the gap between ontology engineering practices and software engineering, the papers describe reuse methods employed throughout the ontology development cycle; modeling / terminological decisions, alignment and comparison between ontologies, how ontologies are stored, versioned, distributed, and consumed over the Web. |