Ontology Engineering: Tools and Catalogues

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1 October 2019
GO-INTER, Cologne
Why better tools for Ontology Engineering?
Ontology engineering tools

- **Ontology evaluation**
  - OOPS! OntOlogy Pitfall Scanner
    - http://oops.linkeddata.es/

- **Vocabulary documentation**
  - HTML: Widoco
    - https://github.com/dgarijo/Widoco/
  - Diagrams: AR2DTool
    - http://ar2dtool.linkeddata.es/

- **Vocabulary registry**
  - OEG vocabularies
    - http://vocab.linkeddata.es/
  - Smart Cities
    - http://smartcity.linkeddata.es/

- **Vocabulary distributed development**
  - OnToology
    - http://ontoology.linkeddata.es/
Handle versions and distributed environments

GitHub

OnToology

Evaluation reports

HTML documentation

Diagrams

Permanent IDs

Content negotiation

Bundle

Pre-view

http://ontoolgy.linkeddata.es
Content Negotiation

Publish at: https://w3id.org/def/saref4city
# SAREF extensions registry

Here you can find the list of SAREF family of ontologies.

Filter by title or domain: 

<table>
<thead>
<tr>
<th>Ontology</th>
<th>Serialization</th>
<th>License</th>
<th>Authors</th>
<th>Language</th>
<th>Domain</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAREF: the Smart Appliances REFerence ontology</td>
<td>html, turtle</td>
<td>CC-by4.0</td>
<td>Laura Daniels, Maris Poveda-Villalón, Raúl García-Castro</td>
<td>en</td>
<td>smart appliances, IoT</td>
<td>The Smart Appliances REFerence (SAREF) ontology is a shared model of consensus that facilitates the matching of existing... See more</td>
</tr>
<tr>
<td>SAREF extension for environment</td>
<td>html, turtle, xml, N-Triples</td>
<td>CC-by4.0</td>
<td>Maris Poveda-Villalón, Raúl García-Castro</td>
<td>en</td>
<td>environment, light pollution, photometer, SAREF</td>
<td>This ontology extends the SAREF ontology for the environment domain, specifically for the light pollution domain, including... See more</td>
</tr>
<tr>
<td>SAREF extension for building devices</td>
<td>html, turtle, xml, N-Triples</td>
<td>CC-by4.0</td>
<td>Maris Poveda-Villalón, Raúl García-Castro</td>
<td>en</td>
<td>building, building device, device, IFC, SAREF</td>
<td>This ontology extends the SAREF ontology for the building domain by defining building devices and how they are located in... See more</td>
</tr>
<tr>
<td>SAREF extension for energy</td>
<td>html, turtle</td>
<td>CC-by4.0</td>
<td>Laura Daniels</td>
<td>en</td>
<td>smart appliances, energy</td>
<td>SAREF4ENER is an extension of SAREF for the Energy domain that was created in collaboration with Energy@Home... See more</td>
</tr>
</tbody>
</table>

Developed by [Ontology Engineering Group](#)  
Built with [Bootstrap Icons](#) from [Glyphicons](#)  
Latest revision November, 2017  
© [Ontology Engineering Group](#)
• Since 2015
• **531** ontologies from **113** repositories
• Some examples:
  • opencitydata/medio-ambiente-contaminacion-acustica
  • opencitydata/medio-ambiente-calidad-aire
  • mariapoveda/wot-ontology
  • vcharpenay/wot-ontology
  • jpcik/medred
  • marianofl1971/dul-es
  • GeorgFerdinandSchneider/bot
  • …
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