

OOPS! (OntOlogy Pitfall Scanner!) helps you to detect some of the most common pitfalls appearing when developing ontologies.

To try it, enter a URI or paste an OWL document into the text field above. A list of pitfalls and the elements of your ontology where they appear will be displayed.

Scanner by URI:		Scanner by URI
Example: http://oops.lir	skeddata.es/example/swc_2009-05-09.rdf	
	>	
Scanner by direct input:	</td <td>Scanner by RDF</td>	Scanner by RDF
		▼
Uncheck this checkbo	ox if you don't want us to keep a copy of your ontology.	Go to advanced evaluation

Evaluation results

Results for P08: Missing annotations.

> http://www.w3.org/2006/time#intervalOverlappedBy

It is obvious that not all the pitfalls are equally important; their impact in the ontology will depend on multiple factors. For this reason, each pitfall has an importance level attached indicating how important it is. We have identified three levels:

- **Critical** 9: It is crucial to correct the pitfall. Otherwise, it could affect the ontology consistency, reasoning, applicability, etc.
- Important

 : Though not critical for ontology function, it is important to correct this type of pitfall.
- Minor ○: It is not really a problem, but by correcting it we will make the ontology nicer.

[Expand All] | [Collapse All]

Results for P11: Missing domain or range in properties.

Object and/or datatype properties without domain or range (or none of them) are included in the ontology.

• This pitfall appears in the following elements:

> http://www.w3.org/2006/time#intervalFinishedBy

> http://www.w3.org/2006/time#intervalAfter

> http://www.w3.org/2006/time#intervalStartedBy

Want to help?

- Suggest new pitfalls
- Provide feedback

Documentation:

- Pitfall catalogue
- User quide

53 cases | Minor 9

7 cases | Important 9

Technical report

Related papers:

- IJSWIS 2014
- EKAW 2012
- ESWC 2012 Demo

- > http://www.w3.org/2006/time#intervalContains
- > http://www.w3.org/2006/time#after
- > http://www.w3.org/2006/time#intervalMetBy
- Tip: Solving this pitfall may lead to new results for other pitfalls and suggestions. We encourage you to solve all cases when needed and see what else you can get from OOPS!

Results for P13: Inverse relationships not explicitly declared.

10 cases | Minor

7 cases

ontology* | Important |

Developed by:

REST Web Service

Ontoqual 2010 CAEPIA 2009

Web services:



Follow @OOPSoeg

Results for P41: No license declared.

SUGGESTION: symmetric or transitive object properties.

According to the highest importance level of pitfall found in your ontology the conformace bagde suggested is "Important pitfalls" (see below). You can use the following HTML code to insert the badge within your ontology documentation:



```
>
<a href="http://oops.linkeddata.es"><img</pre>
        src="http://oops.linkeddata.es/resource/image/oops important.png"
        alt="Important pitfalls were found" height="69.6" width="100" /></a>
```

References:

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- [3] Gómez-Pérez, A. (1999). Evaluation of Taxonomic Knowledge in Ontologies and Knowledge Bases. Proceedings of the Banff Knowledge Acquisition for Knowledge-Based Systems Workshop. Alberta, Canada.
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How to cite OOPS!

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  title={{00PS! (OntOlogy Pitfall Scanner!): An On-line Tool for Ontology Evaluation}},
  author={Poveda-Villal{\'o}n, Mar{\'i}a and G{\'o}mez-P{\'e}rez, Asunci{\'o}n and Su{\'a}rez-Figueroa, Mari Carmen},
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}
```

Please, help us making OOPS! better. **Feedback** is more than welcome!

In addition, you can also **suggest new pitfalls** so that they can be detected in future evaluations.

María Poveda

Contact email: oops(at)delicias.dia.fi.upm.es. Latest revision April 2021 Website Templates by Free CSS Templates