

Internship

Integration of new functionalities on a Web Platform

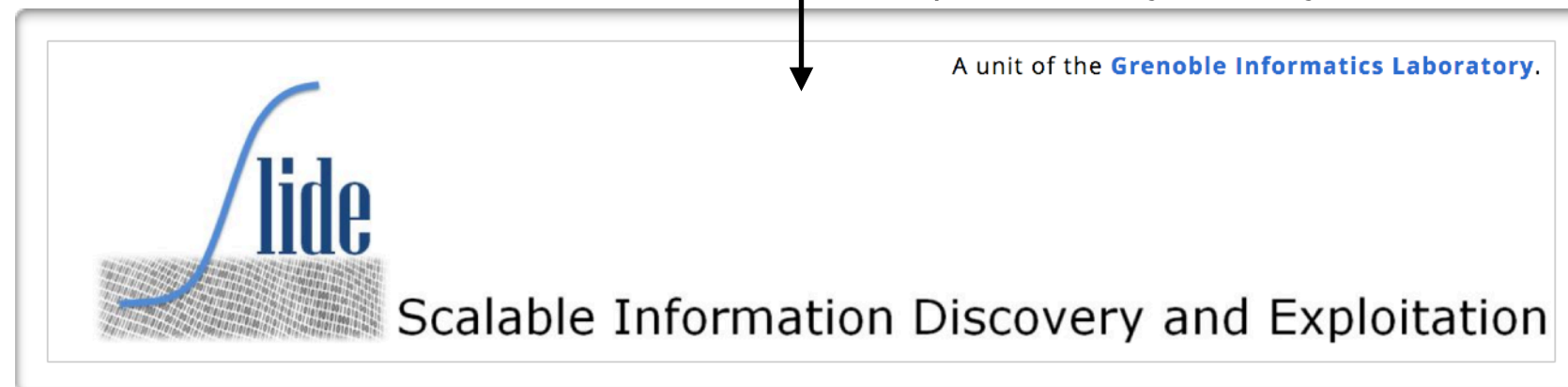
Summary

- Work Environment
- Project Presentation :Perscido
- Objectives
- Technical Solution

Work Environment



Composed by many teams



Teams are supervising the engineer team



Work Environment

2 supervisors : Fabrice Jouanot and Marie-Christine Rousset (SLIDE)

2 Engineers : Alireza Moussaie and Pierre Hébert (Gricad)

Project : Perscido

Initial Project : Persyval (Pervasive Systems and Algorithms)

-10 labs & 800 researchers



Needed a Web Platform to share and use their data and their results between each others : Perscido

Perscido

PerSCiDO

SPARQL Query

Submit a new dataset

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Size

4 Gb

2017 Jan 23

Open

Trace data

LTTng Execution Traces of 10 Phoronix Benchmarks

Depositor: Vania Marangozova-Martin

This dataset contains the execution traces of 10 Phoronix benchmarks (e.g. compress-gzip, ffmpeg, iohome, network-loopback, phpbench, pybench, ramspeed, scimark2, stream, unpack-linux). The traces concern three different tracing configurations (kernel, memory, performance counters) and 32 runs per configuration. They have been obtained on a standard Linux machine.

2016 Nov 27

Open

Video data

Kinovis dressed human bodies in motion dataset

Depositor: Stefanie Wuhler

Benchmark containing 3D motion sequences of 6 different subjects performing 3 motions in 3 different clothing styles each captured with the Kinovis platform at Inria Grenoble Rhone-Alpes.

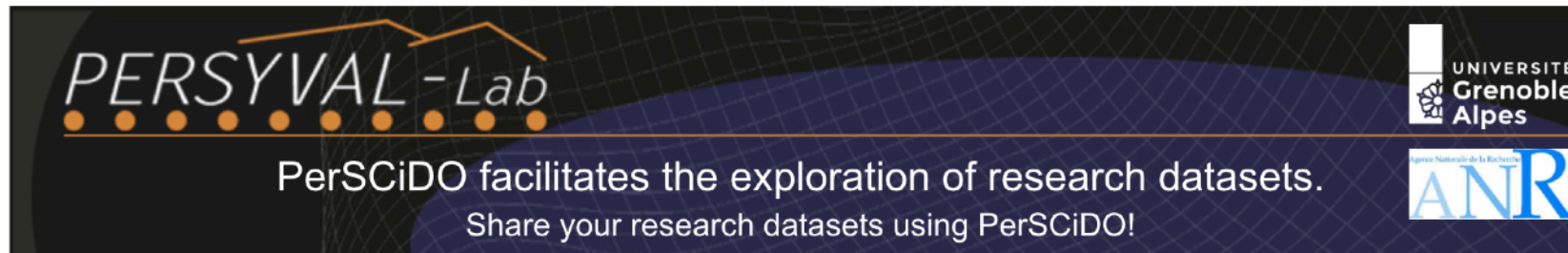


News

New version of
Perscido Project
on 2016/06/01
03/06/2016

Presentation of
PerSCiDO at
data4ist day
(Paris, May 23,
2016)
03/06/2016

Requesting data
isn't harassment,
and refusing to
share data isn't
science



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2017 January 23 Trace data Execution Trace Open 

LTTng Execution Traces of 10 Phoronix Benchmarks

 Depositor Vania Marangozova-Martin

This dataset contains the execution traces of 10 Phoronix benchmarks (e.g. compress-gzip, ffmpeg, iotop, network-loopback, phpbench, pybench, ramspeed, scimark2, stream, unpack-linux). The traces concern three different tracing configurations (kernel, memory, performance counters) and 32 runs per configuration. They have been obtained on a standard Linux machine.

Read me file

readmtxt

2017 03 19

2 172 Ko

Url of the dataset

<https://persyval-platform.imag.fr/benchmarking.php>

Institution/Laboratory:

Laboratoire d'Informatique de Grenoble

External Identifiers:

Subjects:

Computer Science

Keywords:

trace, benchmark, execution, linux, kernel, lttng, CTF, phoronix

Citation:

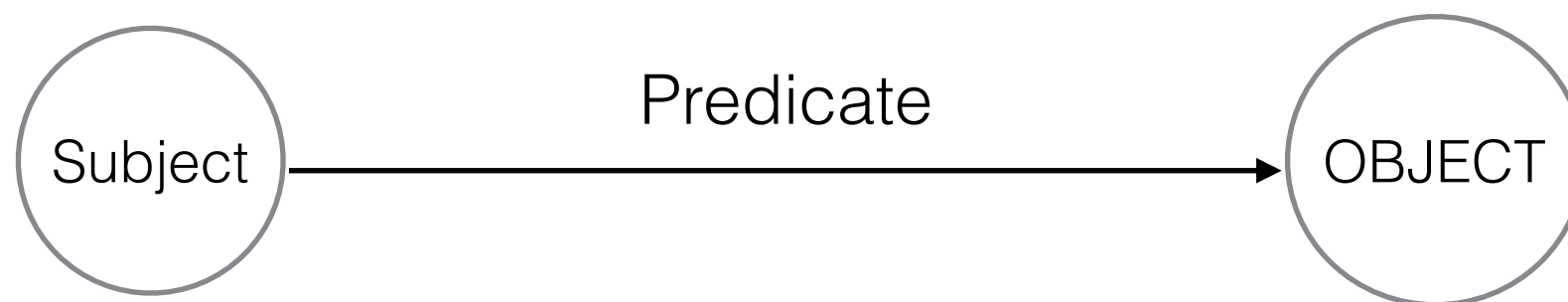
Phoronix LTTng Execution Traces

How does it works?

Datasets are described with the Web Semantics concepts

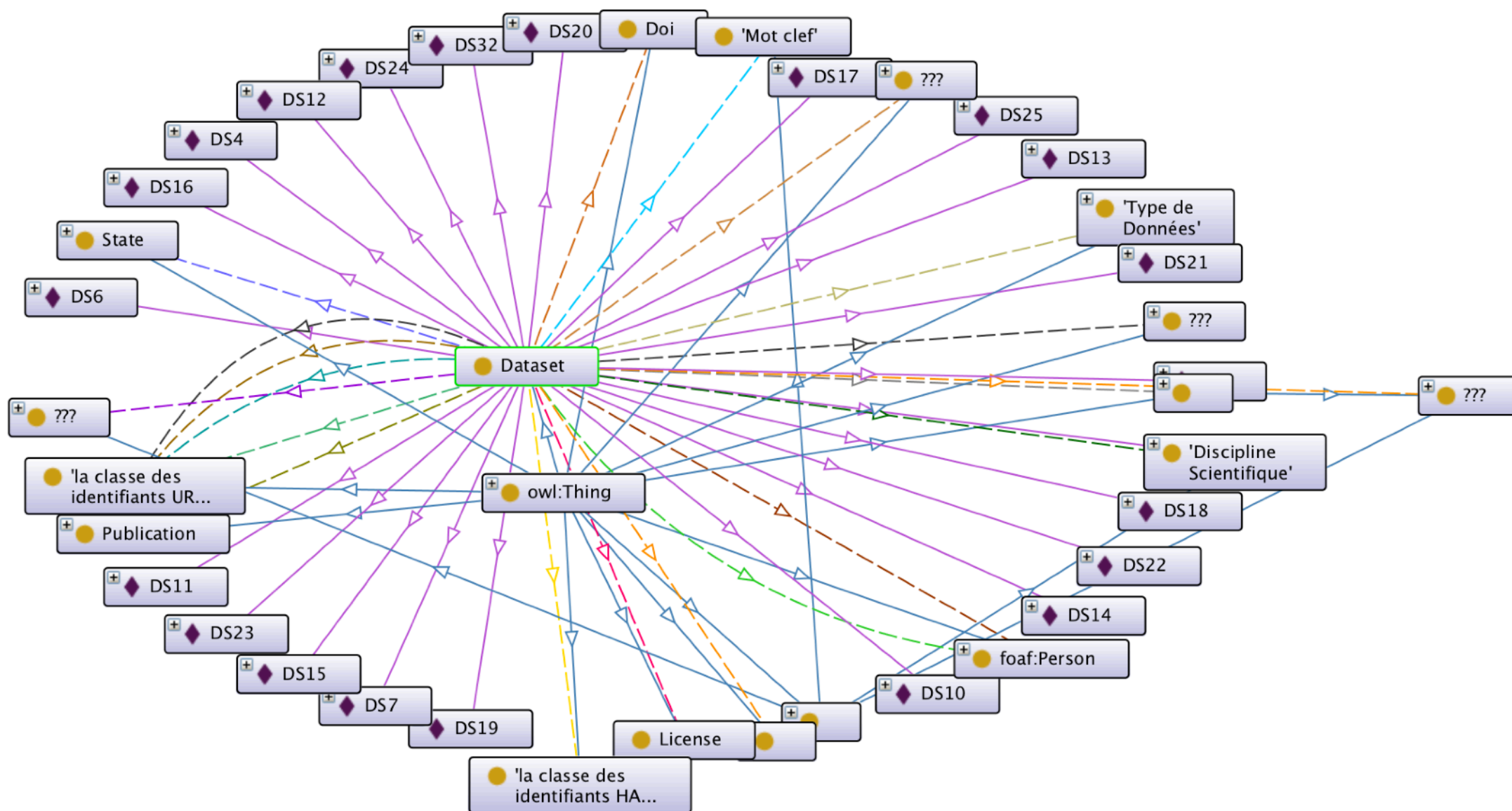
The Semantic Web is an extension of the Web through standards by the World Wide Web Consortium (W3C).[1] The standards promote common data formats and exchange protocols on the Web, most fundamentally the Resource Description Framework (RDF).

Triples RDF



Web Ontology Language (Owl) : Provide Consistency for the model

Datasets links displays



How does it works?

- Implemented with Symfony2

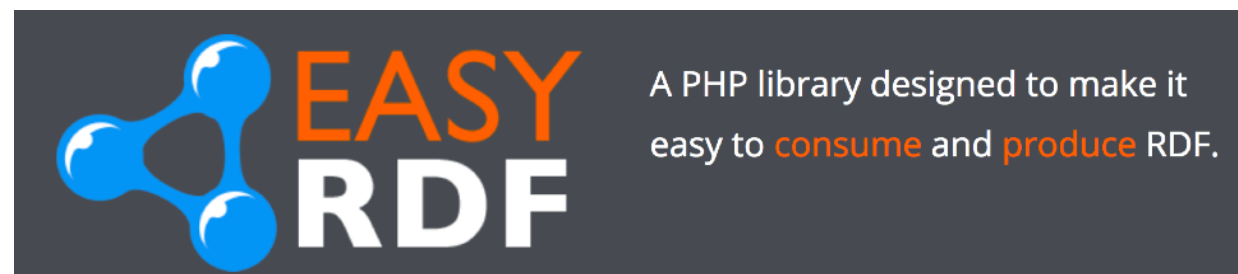
- Symfony2 is a framework in PHP

- Provide an MVC architecture for the code

- Provide Modules and services in order to facilitate and accelerate the development of web sites.



- Example of Module :



Objectives of improvement

- Concerns only the upload part of Perscido

Problem :

The meta data of the datasets can change. If they do, the user interface will need to be changed too and adapt itself.

-> generate the user interface from an ontology will make the interface dynamic when changes occurs.

Plate-forme Perscido - Chromium

Nouveau m x Semantic-UI x viewconten x Plate-forme x Overview.p x cyber-ontol x Apache Jen x IW Ontolog x W3 RDF 1.1 Tur x chrome://newl x W RDFa - Wik x jena-load n x W3 https://ww x

localhost/perscido/web/app.php/user/DS37/general_information3

Applications WD: TP 3 Plateforme Moodle Gmail FUN - Web sémant W3 https://www.w3 https://raw.githu

PerSCiDO SPARQL Query

New dataset Log out lurchunt

1.General Information 2.Content Description 3.Datatype Content 4.Data Access

Please describe your dataset in as much detail as possible. A detailed description will make it easier for others to find your dataset in PerSCiDO. Fields marked with an asterisk(*) are required. For more information on expected content for a field, mouse over the? icon.

Title of your dataset:*

Description: *

Keywords:*

Scientific Field: *

Physics
Agriculture
Information Technology
Ethnology
Geology
History
Arts and Medias
Medicine

Materials Science
Behavioural Sciences
Mathematics
Geography
Biochemistry
Economy
Environmental Science and Ecology
Computer Science

Engineering
Linguistics
Architecture
Chemistry
Astrophysics and Astronomy
Social Sciences
Biology
Other

Related publications to your dataset

The DOI, HAL or Url of a related publication



The identifier type

+

Next

lurchunt@lerchu... OntologyID(Anon... trash:/// OntologieV2.ttl (...)

FR 17:28



1.General Information

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Please describe your dataset in as much detail as possible. A detailed description will make it easier for others to find your dataset in PerSCiDO.
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Please select the data type of your dataset

If your dataset has been processed for an automatic task,

please select the corresponding task(s) below

☐ Anomaly detection

☐ Classification

☐ Clustering

☐ Dimension reduction

☐ Grammatical inference

☐ Pattern extraction

☐ Prediction

☐ Preference learning

☐ Regression analysis

☐ Rule extraction

☐ Visualisation

☐ Other

Next

2 Big Steps

Describe the user interface into a new Ontology :

- How to describe a graphic user interface?
- Use this model to describe the user interface of Perscido (the upload part only)
- Link the meta datas of the initial ontologie with the composent of the interface

Generate the View with Symfony2 from this new ontology

using the same HTML code actually generated in the view

Planning :

- Finish the main part of description of the ontologie before the end of April
 - Then start the development with Symfony2