

PerSCiDO_Grenoble_Alpes : Principes et fonctionnalités d'une plateforme ouverte de partage de jeux de données

Responsable: Marie-Christine ROUSSET

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Fabrice Jouanot⁽³⁾, Alireza Moussaei⁽¹⁾

Université Grenoble Alpes

(1) CNRS, (2) Labex PERSYVAL-lab, (3) LIG, (4) LJK,

(5) Service inter-établissement de la Documentation Université Grenoble Alpes - Grenoble INP



Objectifs

- Construire une plateforme de partage de jeux de données de recherche
 - Découplant le problème de stockage des jeux de données de leur description
 - Centrée sur des méta-données riches et flexibles
 - Permettant une interrogation avancée de ces méta-données
 - Facilement interopérable avec d'autres plateformes

Principes

- Suivre les standards
 - du Linked Open Data en termes de modèle de données (RDF) et aussi de vocabulaires spécialisés de métadonnées comme Dublin Core, Friend Of a Friend, Creative Commons, etc
 - émergents de consortiums internationaux comme DataCite, FaBio, Radar, etc ... qui visent la définition de standards pour citer et décrire des données de recherche.
 - ⇒ **Cohabitation dans une même base de données RDF de différents vocabulaires spécialisés correspondant à différents espaces de noms identifiés par des préfixes raccourcis**
- Anticiper les usages et inciter aux bonnes pratiques

Inciter aux bonnes pratiques

- Pousser les chercheurs à référencer leurs jeux de données par des **identifiants externes persistants** (HAL, DOI, etc ...)
 - Un DOI (Digital Object Identifier), prôné par DataCite
 - => Convention signée avec l'INIST (représentant français de DataCite) pour que PERSYVAL-lab puisse délivrer des DOIs
- Pousser les chercheurs à anticiper **la citation** souhaitée pour leur jeu de données
 - => champ pré-rempli en cas d'un DOI existant
- Pousser les chercheurs à **préciser le droit d'usage** de leurs jeux de données **par une licence Creative Commons**
 - => Menu déroulant avec les différentes licences fournies sous la forme d'un vocabulaire contrôlé
- **Eviter tant que possible la saisie de chaînes de caractères « libres »** pour remplir les valeurs de champs à renseigner
 - => Menus déroulants avec des valeurs prédéfinies (des constantes dans la BD)

Moyens humains et méthodes de travail

- Développement
 - Ali Moussaei (15 mois CDD ingénieur CNRS)
 - Pierre Hébert (à 80% sur PerSCiDO): ingénieur Web sur fonds propres du labex
- Spécifications et suivi
 - Groupe de travail constitué de futurs usagers (chercheurs, ingénieurs de recherche, enseignants chercheurs)
 - ⇒ **Identification de plusieurs types de jeux de données et des méta-données utiles associées**
 - ⇒ **Identification de méta-données communes à tous les jeux de données et de méta-données spécifiques selon le type de données**
 - Encadrement et suivi de la mise en œuvre: L. Albaret, B. Bidegaray, F. Jouanot, M-C Rousset
- Jalons réguliers
 - **PerSCiDO v1:**
 - Janvier- Juin 2016: **maquette** de l'interface et des fonctionnalités de **dépôt** et de **recherche avancée** de jeux de données
 - Juillet 2016: Ouverture restreinte de la plateforme

Demo

Version 1.5 (26.05.2016)





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Nicholas CAGE


This inventory contains a set of terms that are relevant to the study of medical history. The inventory is organised as a set of "heading terms", belonging to one of seven different semantic categories, each of which is accompanied by a set of semantically-related terms. There are around 175,000 heading terms. The nature of the semantic relationship holding between the heading term and each related term varies. A pair of related terms may, for example be synonyms of each other, one term may be more or less specific than the other, one may be a part of the other, one may be used in the treatment of the other, etc. The unique feature of our terminological inventory is that the sematically-related terms may correspond to terms used within different periods of time, and which may not be in common usage today.


- 16 05 19 Open Trace data

X-ray diffraction images for DPF3 tandem PHD fingers co-crystallized with an acetylated histone-derived peptide

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3. Datatype Content

4. Data Access

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Let your dataset easily citeable and discoverable

If your dataset does not have a permanent identifier, we can provide a DOI (Digital Object Identifier) for it.

The [DOI system](#) is an international standard recommended to identify and link any digital resource (publication, dataset,...). We encourage you to ask us a DOI for your dataset even if it has already another type of identifier. More information can be found on [DataCite](#).

Your dataset has already an identifier

Your dataset does not have any identifier

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Yes No

Your DOI will be generated after validation by the committee

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Depositor:	<input type="text" value="Marie-Christine"/>	<input type="text" value="Rousset"/>	
Depositor's identifier (if any):	<input type="text" value="your Orcid id"/>	<input type="text" value="your ArXiv id"/>	<input type="text" value="your Hal id"/>
Institution/Laboratory: *	<input type="text" value="Laboratoire d'Informatique de Grenoble"/>		
Access right: *	<input checked="" type="radio"/> Open <input type="radio"/> Restricted <small>Permission to upload your dataset (Open: everyone, Restricted: after your permission)</small>		
License:	<input type="text" value="CC_BY-NC_4.0_Attribution_NonCommercial"/>		

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Title of your dataset: *

Description: *

Keywords:*

Subject: *

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Chemistry	<input type="checkbox"/> History
<input type="checkbox"/> Architecture	<input checked="" type="checkbox"/> Computer Science	<input type="checkbox"/> Information Technology
<input type="checkbox"/> Arts and Media	<input type="checkbox"/> Economics	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Astrophysics and Astronomy	<input type="checkbox"/> Engineering	<input type="checkbox"/> Medicine
<input type="checkbox"/> Behavioural Sciences	<input type="checkbox"/> Environmental Science and Ecology	<input type="checkbox"/> Physics
<input type="checkbox"/> Biochemistry	<input type="checkbox"/> Geography	<input type="checkbox"/> Social Sciences
<input type="checkbox"/> Biology	<input type="checkbox"/> Geological Sciences	<input type="checkbox"/> Other

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Please select the data type of your dataset

Data type ▾

- Simulation data ?
- Survey data ?
- Textual data ?
- Trace data ?
- Video data ?
- Web data ?

Classification
 Clustering
 Dimension Reduction

Inference
 Pattern extraction
 Prediction
 Preference learning

Regression Analysis
 Rule extraction
 Visualisation

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Please select the data type of your dataset

- Interaction Trace ?
- Execution Trace ?
- Sensor Trace ?
- Systems Trace ?
- Other Trace ?

If your dataset has been processed for an automa

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

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Please select the data type of your dataset

Trace data

Execution Trace

If your dataset has been processed for an automatic task,

please select the corresponding task(s) below

<input type="checkbox"/> Anomaly detection	<input type="checkbox"/> Grammatical inference	<input type="checkbox"/> Regression Analysis
<input type="checkbox"/> Classification	<input type="checkbox"/> Pattern extraction	<input type="checkbox"/> Rule extraction
<input type="checkbox"/> Clustering	<input type="checkbox"/> Prediction	<input type="checkbox"/> Visualisation
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Encoding data format
To facilitate the use of your dataset, we encourage you to give indications about its format

Citation for your dataset:
To facilitate the citation of your dataset we encourage you to provide the recommended text for citing it

Illustrative logo: logo.gif

Read-me file for your dataset: kptrace.meta.readme

Data storage mode:

You can either upload your dataset for storage on the PerSCiDO platform, or you can provide the URL where your dataset can be found.

Upload your dataset for storage on Percido platform Provide the url address of your dataset:

Archive file name: tsrec_TF1_nomodif_CRL.zip

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The upload of your archive file is complete.

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Details of your Dataset

Creation date : 16 05 20
Title : Trace d'execution audio video
Description : Desynchronisation audio video sample TF1 (board STMicroelectronics) scenario TSrecord format KPTRAC
Contributor : Marie-Christine Rousset
File readme : kptrace.meta.readme
Fileurl :
Filezip : tsrec_TF1_nomodif_CRL.zip
Format : csv
Size : 500
Accessright : Open
Datatype : Trace data
Subdatatype : Execution Trace
Institution : Laboratoire d'Informatique de Grenoble
License : CC_BY-NC_4.0_Attribution_NonCommercial
keywords : Execution Trace Audio Video
subjects : Computer Science



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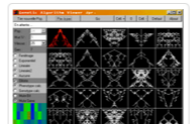
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Data QA/QC: a natural history perspective. Free #DWS16 Webinar Tues Jan 12th 9am Pacific
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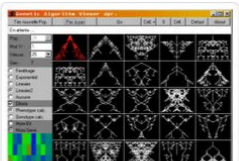


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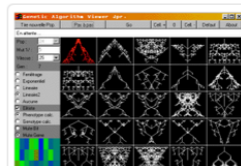
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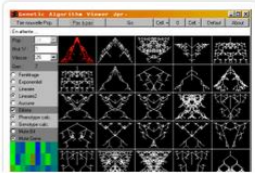
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Files ☰

Files	Date	Size
+ File.zip	25 02 16	4 Mo

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By : [Nicholas Ayache](#), [Laurent D. Cohen](#) and [Isaac Cohen](#)

Title : Using deformable surfaces to segment 3-D images and infer differential structures

Date : 1992

Available on : <http://basepub.dauphine.fr/xmlui/handle/123456789/6872>

Publication date : 16 05 19

identifier

Insitution/Laboratory : IN3

identifier :

Subjects : SI1

Keywords :

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