

Crate-O - a drop-in linked data metadata editor for
RO-Crate (and other) linked data in repositories and
beyond

RO-Crate 1.1 

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RO-Crate Metadata Specification 1.1

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See <https://w3id.org/ro/crate> for further details about RO-Crate.

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Five ways RO-Crate data packages are important for repositories

Peter Sefton*, Stian Soiland-Saunders**

*University of Queensland, Australia; **The University of Manchester, UK

Time: 05/June/2024: 11:00 - 12:30 . Location: Drottningporten 1



Australian Research Data Commons



The Language Data Commons of Australia Data Partnerships (LDaCA-DP), Language Data Commons of Australia Research Data Commons (LDaCA-RDC), and Australian Text Analytics Platform (ATAP) projects received investment (<https://doi.org/10.47486/DP768>, <https://doi.org/10.47486/HR001>, & <https://doi.org/10.47486/PL074>) from the Australian Research Data Commons (ARDC).

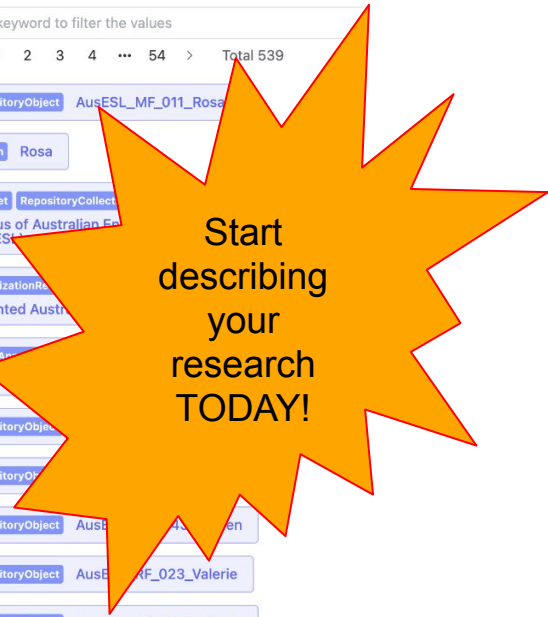
The ARDC is funded by the National Collaborative Research Infrastructure Strategy (NCRIS).

Corpus of Australian...nd Language (AusESL)
Current Entity: Corpus of Australian English as a Second Language (AusESL)

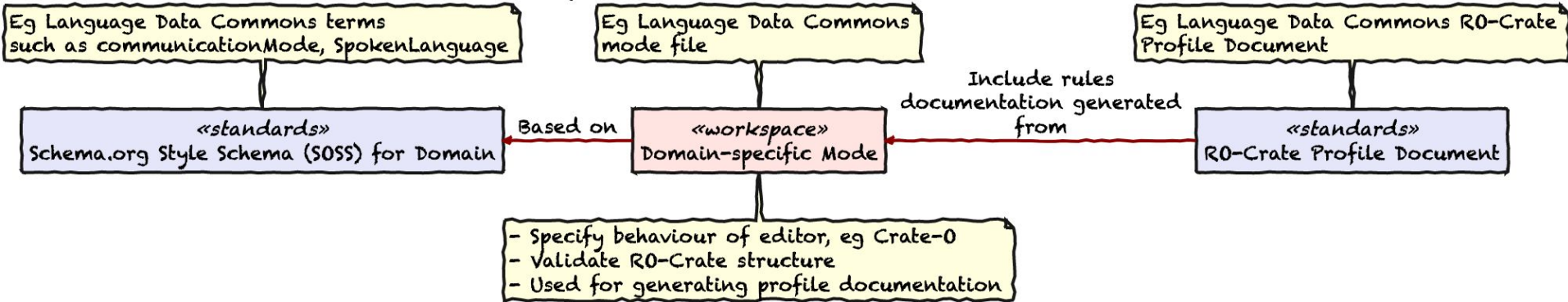
- About
Related People, Orgs & Works
Structure
Provenance
Space & Time
Software & Hardware
Others

@id: dx.doi.org/10.25911/42ds-nh06
@type: Dataset
RepositoryCollection
Conforms To: https://w3id.org/dac/profile#Collection
Name: Corpus of Australian English as a Second Language (AusESL)
Description: The corpus of Australian English as a Second Language (AusESL) comprises audio-recorded sociolinguistic interviews with people who migrated to Australia as adults from non-English-speaking countries...

Create New Entity
All Entities Unlinked Entities
Enter keyword to filter the values
1 2 3 4 ... 54 Total 539
RepositoryObject AusESL_MF_011_Rosa
Person Rosa
Dataset RepositoryCollect
Corpus of Australian En
(AusESL
OrganizationRe
Accented Austr
File AV
Text
RepositoryObj
RepositoryO
RepositoryObject Aus
RepositoryObject AusE
RepositoryObject AusE
RepositoryObject AusESL_RF_023_Valerie
RepositoryObject AusESL_RF_007_Melania



The three main components for RO-Crate editing with Crate-0



Modes

Mode: Simple RO-Crate Dataset

Simple RO-Crate Dataset
Implements the basic RO-Crate elements found in the specification and common examples. Start here for exploration.

Language Data Commons top-level Collection (corpus)
Implements the language data commons RO-Crate Metadata Profile for top-level collection.

Schema profile
Crate-O Mode for creating Schema.org Style Schema (SOSS) vocabularies.

DEMO ONLY: Research Software Description Profile
A draft Crate-O Mode for describing research software source code / notebooks / workflows

All inclusive Crate-O Mode
Mode that contains all of Schema.org + RO-Crate base vocab.

Load and add a new mode from your computer ...

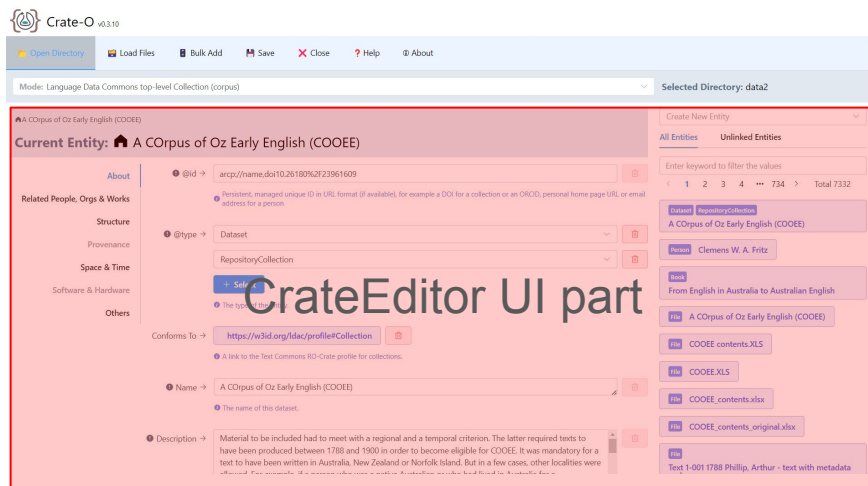
```
{  
  "metadata": {  
    "name": "Language Data  
Commons top-level Collection  
(corpus)",  
    "description": "Implements the  
language data commons RO-Crate  
Metadata Profile for top-level  
collection.",  
    "version": "0.3",  
    "author": "University of  
Queensland",  
    "license": "GPL-3.0"  
  },  
  "conformsToUri": [  
    "https://w3id.org/ldac/profile#Collecti  
on"  
  ],  
}
```

```
"classes": {  
  "Dataset": {  
    "id":  
    "http://schema.org/Dataset",  
    "subClassOf": [],  
    "inputs": [  
      {  
        "id":  
        "http://schema.org/isAccessibleF  
orFree",  
        "name":  
        "isAccessibleForFree",  
        "help": "This is available  
under an Open Access license.",  
        "required": false,  
        "multiple": false,  
        "type": [  
          "Boolean"  
        ]  
      },  
      ...  
    ]  
  },  
  ...  
}
```

Embed Crate-O in your own Vue app

Crate-O is developed with Vue 3 framework and exposes the Vue component **CrateEditor** that can be imported as a library by any Vue app.

- Functionalities include everything Crate-O can do except anything to do with file handling (load/save crate, read files, manage profiles, etc.)
- Published in NPM, just do `npm install` and import the component in your Vue app
- As a component, it should run in any modern web browser



Embed Crate-O in your own Vue app

```
1  <script setup>
2  import { shallowReactive } from "vue";
3  import { CrateEditor } from "crate-o";
4  const data = shallowReactive({
5    |   crate: {}, // crate content goes here
6    |   mode: {} // mode content goes here
7  });
8  </script>
9
10 <template>
11   <crate-editor :crate="data.crate" :mode="data.mode">
12   </crate-editor>
13 </template>
```

additional-ro-crate-metadata

Home Insert Draw Page Layout Formulas Data Review View Automate Developer

Open recovered workbooks? Your recent changes were saved. Do you want to continue working where you left off?

K11 @id, A, B, C, D

#	@id	name	description	speakerNumber	isRef_spe
1	#AUSESL_MF_011_Rosa	AusESL_MF_011_Rosa	anonimised interview	11 #Rosa	
2	#AUSESL_MM_044_Xiaobo	AusESL_MM_044_Xiaobo	anonimised interview	44 #Xiaobo	
3	#AUSESL_MF_024_Liu	AusESL_MF_024_Liu	anonimised interview	24 #Liu	
4	#AUSESL_MF_043_Lanfen	AusESL_MF_043_Lanfen	anonimised interview	43 #Lanfen	
5	#AUSESL_RF_023_Valerie	AusESL_RF_023_Valerie	anonimised interview	23 #Valerie	
7	#AUSESL_RF_007_Melania	AusESL_RF_007_Melania	anonimised interview	7 #Melania	
8	#AUSESL_RF_027_Magdalena	AusESL_RF_027_Magdalena	anonimised interview	27 #Magdali	
9	#AUSESL_RM_058_Demid	AusESL_RM_058_Demid	anonimised interview	58 #Demid	
10	#AUSESL_RF_032_Ingrid	AusESL_RF_032_Ingrid	anonimised interview	32 #Ingrid	
11	#AUSESL_RF_033_Alina	AusESL_RF_033_Alina	anonimised interview	33 #Alina	
12	#AUSESL_RF_021_Elena	AusESL_RF_021_Elena	anonimised interview	21 #Elena	
13	#AUSESL_RF_019_Rita	AusESL_RF_019_Rita	anonimised interview	19 #Rita	
14	#AUSESL_RM_047_Leonid	AusESL_RM_047_Leonid	anonimised interview	47 #Leonid	
15	#AUSESL_RF_004_Mila	AusESL_RF_004_Mila	anonimised interview	4 #Mila_M	
16	#AUSESL_MM_050_William	AusESL_MM_050_William	anonimised interview	50 #William	
17	#AUSESL_RF_046_Nadine	AusESL_RF_046_Nadine	anonimised interview	46 #Nadine	
18	#AUSESL_RM_054_Markov	AusESL_RM_054_Markov	anonimised interview	54 #Markov	
19	#AUSESL_MF_037_Mingzhu	AusESL_MF_037_Mingzhu	anonimised interview	37 #Mingzhu	
20	#AUSESL_RF_026_Mischa	AusESL_RF_026_Mischa	anonimised interview	26 #Mischa	
21	#AUSESL_RM_005_Nikolai	AusESL_RM_005_Nikolai	anonimised interview	5 #Nikolai	
22	#AUSESL_RM_003_Sergiy	AusESL_RM_003_Sergiy	anonimised interview	3 #Sergiy	
23	#AUSESL_MM_064_Yongrui	AusESL_MM_064_Yongrui	anonimised interview	64 #Yongrui	
24	#AUSESL_MM_060_Cha0	AusESL_MM_060_Cha0	anonimised interview	60 #Cha0	
25	#AUSESL_RF_030_Ivana	AusESL_RF_030_Ivana	anonimised interview	30 #Ivana	

additional-ro-crate-metadata

Home Insert Draw Page Layout Formulas Data Review View Automate Developer

Open recovered workbooks? Your recent changes were saved. Do you want to continue working where you left off?

M1 @id, A, B, C, D, E, F, G, H, I, J, K, L, M

#	@id	name	language	Gender	birthDate	age	birthPlace	birthCountry	Year_of_arrival_in_Australia	Age_upon_arrival_in_Australia	Years_lived_in_Australia	.Father_born-raised	.Mothr_born-raised
1	#Rosa	Rosa	Mandarin	Female	1979	40	China (Shanghai)	China	2006	27	13	China (Chongqing)	China (Shanghai)
2	#Xiaobo	Xiaobo	Mandarin	Male	1971	48	China (Xi'an)	China	1997	26	22	China (Shanghai)	China (Tianjin)
3	#Liu	Liu	Mandarin	Female	1966	53	China (Harbin)	China	1999	33	20	China (Heilongjiang)	China (Heilongjiang)
4	#Lanfen	Lanfen	Mandarin	Female	1982	37	China (Ningbo)	China	2008	26	11	China (Ningbo)	China (Ningbo)
5	#Valerie	Valerie	Russian	Female	1985	34	Russia (Rostov-on-Don)	Russia	2015	30	4	Russia (Stavropol)	Kazakhstan
6	#Melania_Chekhova	Melania Chekhova	Russian	Female	1982	37	Russia (Mirny, Yakut Republic)	Russia	2014	31	6	Russia (Mirny)	Russia (Irkutsk)
7	#Magdalena	Magdalena	Russian	Female	1980	39	Russia (Moscow)	Russia	2012	31	8	USSR (Moscow)	USSR (Chusovoy)

Crate-O v0.3.10

Open Directory Load Files Bulk Add Save Close Help About

Mode: Simple RO-Crate Dataset

Current Entity: /

Related People, Orgs & Works

Structure

Provenance

Space & Time

Software & Hardware

Others

Name →

Description →

Date Published →

File Annotation - Transcripts_Anonimised/AusESL_MF_011_Rosa.eaf

File Annotation - Transcripts_Anonimised/AusESL_MM_044_Xiaobo.eaf

File Annotation - Transcripts_Anonimised/AusESL_MF_024_Liu.eaf

File Annotation - Transcripts_Anonimised/AusESL_MF_043_Lanfen.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_023_Valerie.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_007_Melania.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_027_Magdalena.eaf

File Annotation - Transcripts_Anonimised/AusESL_RM_058_Demid.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_032_Ingrid.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_033_Alina.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_021_Elena.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_019_Rita.eaf

File Annotation - Transcripts_Anonimised/AusESL_RM_047_Leonid.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_004_Mila.eaf

File Annotation - Transcripts_Anonimised/AusESL_MM_050_William.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_046_Nadine.eaf

File Annotation - Transcripts_Anonimised/AusESL_RM_054_Markov.eaf

File Annotation - Transcripts_Anonimised/AusESL_MF_037_Mingzhu.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_026_Mischa.eaf

File Annotation - Transcripts_Anonimised/AusESL_RM_005_Nikolai.eaf

File Annotation - Transcripts_Anonimised/AusESL_RM_003_Sergiy.eaf

File Annotation - Transcripts_Anonimised/AusESL_MM_064_Yongrui.eaf

File Annotation - Transcripts_Anonimised/AusESL_MM_060_Cha0.eaf

File Annotation - Transcripts_Anonimised/AusESL_RF_030_Ivana.eaf

Cancel Confirm

Crate-O v0.3.10

Open Directory Load Files Bulk Add Save Close Help About

Mode: Simple RO-Crate Dataset

Selected Directory: try02

My Research

Current Entity: /

Related People, Orgs & Works

Structure

Provenance

Space & Time

Software & Hardware

Others

Name → My Research

Enter keyword to filter the values

1 2 3 4 ... 34 Total 33

RepositoryObject AusESL_MF_011_Rosa

RepositoryObject AusESL_MM_044_Xiaobo

RepositoryObject AusESL_MF_024_Liu

RepositoryObject AusESL_MF_043_Lanfen

RepositoryObject AusESL_RF_023_Valerie



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👁 Unwatch 7

🍴 Fork 2

☆ Star 2

🔗 main

🔗 12 Branches

🔖 74 Tags

🔍 Go to file

t

+

<> Code



alvinsw

Widen mode select box, document component API ✓

4a80c7a · 2 days ago

🕒 210 Commits



.github/workflows

Github action: publish to npm

2 months ago



cypress

fixed tests

5 months ago



docs

Widen mode select box, document component API

2 days ago



help

Update index.md

last week



public

Fix missing leaflet marker icon (quick fix)

9 months ago



src

Widen mode select box, document component API

2 days ago



test-data

Refactor route handling

5 months ago



tests

Add geo input

9 months ago



.gitignore

initial commit

last year



LICENSE

initial commit

last year

About

Crate-O is a browser-based editor for Research Object Crates (RO-Crate)

🔗 [language-research-technology.github...](#)

ro-crate

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📦 v 0.2.0 Latest

Find this presentation online at:

<https://www.idaca.edu.au/news/posts/open-repositories-2024-crate-o>

