

開放的研究資料寄存服務

Towards An Open Repository for Research Data

2019-08-29, Taipei, Taiwan

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莊庭瑞、李承鑫、王家薰

depositar is a collaboration at IIS, CITI, and GIS Center (RCHSS) in Academia Sinica, supported in part by MOST grants, Taiwan
「研究資料寄存所」是中央研究院資訊所、資創中心、GIS 中心
(人社中心) 的協作專案，部份經費來自台灣科技部計畫



台江內海研究資料集
Taijiang Research Data Repository

資料集 組織 主題 支援

搜尋資料

例如：環境

熱門標籤 台江國家公園 Chia-Wan

綜觀嘉南 研究資料 最新消息 關於我們 外部連結

2016-2019

登入 聯絡我們

最新消息

台江內海研究資料集網站
2015-02-26 子計畫四開
(Taijiang.tw) (<http://taijiang.tw>)

讀取更多

嘉南平原水文、農業空間及聚落生活空間之百年變遷與連動關係之研究

研究計畫

關於台江內海研究資料集 (Taijiang Research Data Repository) 計畫主網站
聯絡我們: [contact AT taijiang.tw](mailto:contact@taijiang.tw)
CKAN API | 網站統計

標籤

2017 2017(38) LOD meeting meeting: outing metadata MOST outing project research repository SPEC survey training user 互動變遷 高南大圳 嘉南平原 國土計畫法 多聚落觀點 時空地理資訊系統 最遙規模 氣候變遷 社會文化環境 糧食自給率 聚落 鹽分地帶

最近更新

科技部空間資訊管理與應用研討會聯合...

Submitted by...

• 時間: 2017 年
• 地點: 國立中央大學
• 網址: <http://www.cas.cmu.edu.tw/>
• 議程: 大會開幕式、研討會、午餐、閉幕式

嘉南計劃: 2017 年

顯示所有文章

ANGIS

資料集 組織 群組 關於 搜尋

搜尋資料

ANGIS Data Portal

Data Repository for GIS-based Historical Studies in Asia

ANGIS DATA PORTAL

關於CKAN
CKAN API
開放知識基金會

ckan-ECAI Data Portal

Datasets Projects Groups About 搜尋

Search data

E.g. environment

Popular tags Built environment Administrative geog... Archaeology

Welcome to CKAN

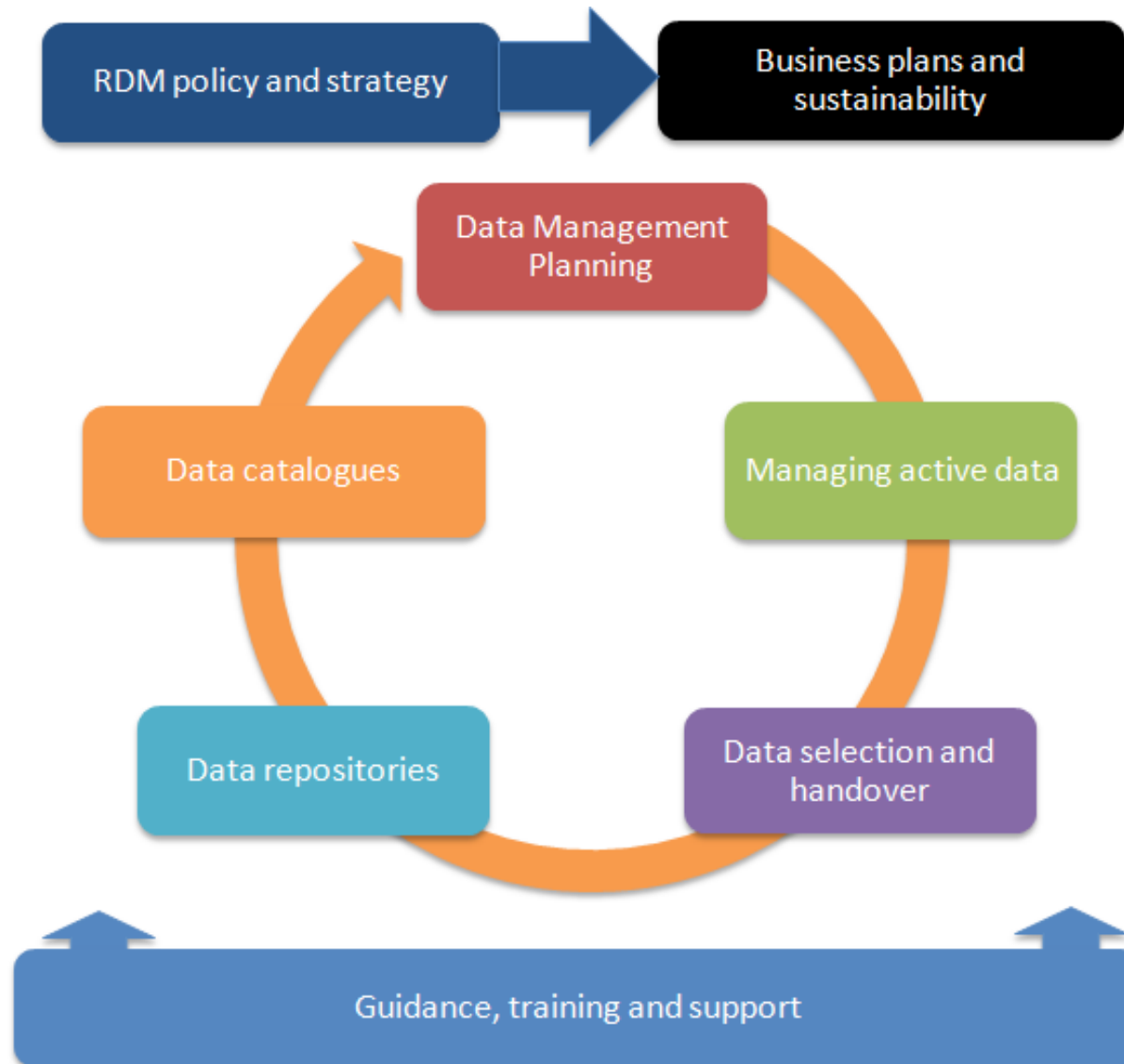
DATA PORTAL

ECAI CKAN Portal statistics

1.2k datasets 10 organizations 8 groups 0 related items

Research Data Management (RDM)

<http://www.dcc.ac.uk/resources/how-guides/how-develop-rdm-services>



WIKIPEDIA

English

The Free Encyclopedia
4 000 000+ articles

日本語

フリー百科事典
815 000+ 記事

Español

La enciclopedia libre
900 000+ artículos

Русский

Свободная энциклопедия
875 000+ статей

Italiano

L'enciclopedia libera
939 000+ voci

Português

A enciclopédia livre
742 000+ artigos

Deutsch

Die freie Enzyklopädie
1 430 000+ Artikel

Français

L'encyclopédie libre
1 270 000+ articles

Polski

Wolna encyklopedia
908 000+ haseł

中文

自由的百科全書
500 000+ 條目



Search · Suchen · Rechercher · Zoeken · Ricerca · Szukaj · **Buscar** · Поиск · 検索 ·
Busca · Sök · 搜尋 · Tìm kiếm · Пошук · Cerca · Søk · Haku · Hledání · Keresés · 찾기 · Cari ·
Ara · جستجو · Căutare · بحث · H'adat' · Søg · Serçu · Претрага · Paieška · Poišči · Cari · חיפוש ·
Търсене · Izdeu · Bilatu · Suk · Bilnga · Traži · खोजें



contents 內容

工具 tools

users 用戶

服務
services

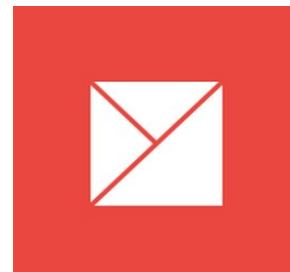


WIKIMEDIA
FOUNDATION



CKAN

- **C**omprehensive **K**nowledge **A**rchive **N**etwork
- Software for powering hubs of open datasets
- Developed by the Open Knowledge Foundation; supported by an active contributor community
- Widely used to manage open government data portals, e.g. <https://data.gov>
- Written in Python, released under AGPL 3.0
- The CKAN API exposes all core features to clients



Contribute to CKAN

- Leaflet WMTS Viewer
 - <https://github.com/ckan/ckanext-geoview/pull/17>
- Shapefile 空間資料預覽
 - <https://github.com/ckan/ckanext-geoview/pull/54>
- 以 Wikidata 條目作為資料集描述語彙
 - <https://github.com/depositar/ckanext-wikidatakeyword>

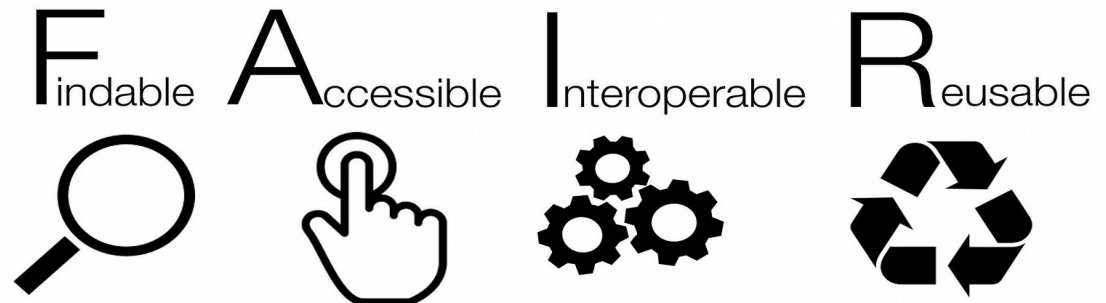
depositar

- *depositar* – v. to deposit
- *depositario* – n. trustee, depository
- data.depositar.io – built on top of CKAN
- New in *depositar*
 - **open to academic user registration**
 - support spatiotemporal description and query
 - more data preview and base map
 - keywords sourced from [Wikidata](#)
 - simplified metadata authoring

Open Data & FAIR Data

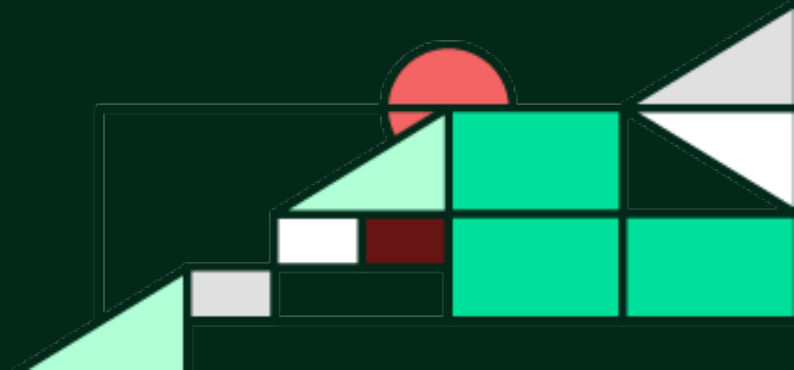
- **Open Data** : Open data is the idea that some data should be freely available to everyone to use and republish as they wish, without restrictions from copyright, patents or other mechanisms of control.
— from wikipedia
- **FAIR Data** : FAIR data are data which meet standards of findability, accessibility, interoperability, and reusability.
— from wikipedia

- Findability (可查找性)
- Accessibility (可存取性)
- Interoperability (互操作性)
- Reusability (再使用性)



depositar – Features and Show Cases

- *Findability*
- *Accessibility*
- *Interoperability*
- *Reusability*



Search and Data Discovery

- full text search
- multiple filters
- spatial and temporal constraints

空間搜尋

清除



Map tiles & Data by OpenStreetMap, under CC BY-SA

Cancel

時間搜尋

清除

1623-01-01 1749-01-12

或使用時間區間捷徑

新增資料集

Caerte van' t Eijlandt Formosa ende Eijlandt van de Piscadoris(福爾摩沙島與澎湖群島海圖)

此資料集沒有說明

JPEG

Google Dataset Search

Google Dataset Search

🔍 soundscape asia



簡介

找到 5 筆結果



自然谷聲景監測

data.depositar.io

更新日期：2019年3月27日



The soundscape of Lienhuachih
Research Center, site LHC01

data.depositar.io

更新日期：2019年6月11日



Algal Reef Soundscape

data.depositar.io

更新日期：2019年4月20日

自然谷聲景監測

前往以下網頁探索： [depositar](#)

資料集更新日期 2019年3月27日

資料集發布日期 2019年2月10日

資料集提供者

Asian Forest Soundscape

授權

<https://creativecommons.org/licenses/by/4.0/>

資料提供者提供的下載格式

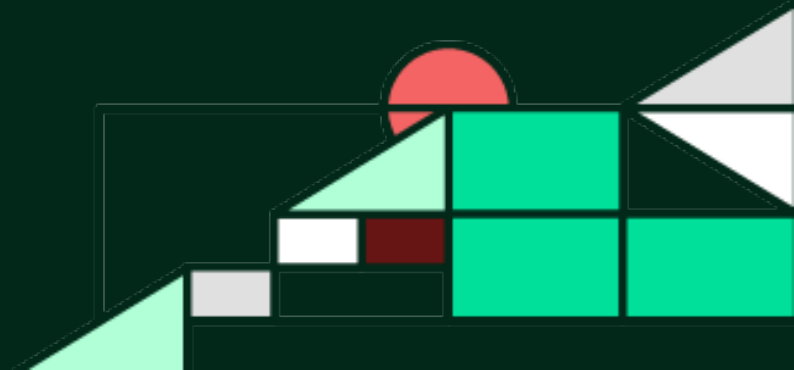
mat, csv

說明

與台灣環境資訊協會共同合作新竹縣芎林鄉自然谷環境信託園區的長期聲景監測。

depositar – Features and Show Cases

- *Findability*
- *Accessibility*
- *Interoperability*
- *Reusability*



Data Preview

臺南市里界圖

Manage

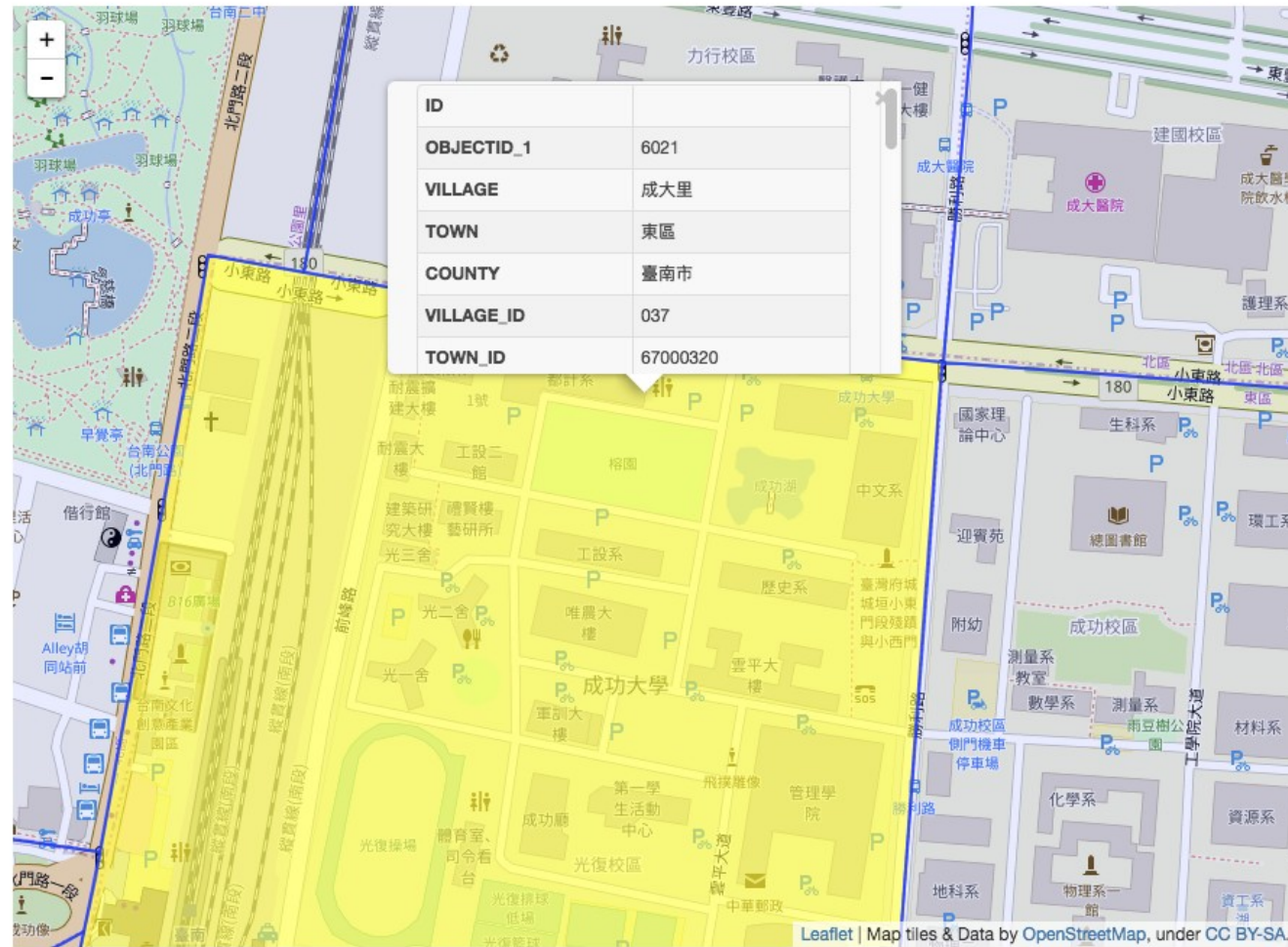
Go to resource

URL: <https://data.depositar.io/dataset/76a232e5-a9c1-4dde-8d4c-6b58629f33ca/resource/c2bbe543-dc9d-41c2-82d5-d16a93b87835/do...>

屬性包含：「VILLAGE(里名)」、「TOWN(區名)」、「COUNTY(縣市名)」

SHP

Embed



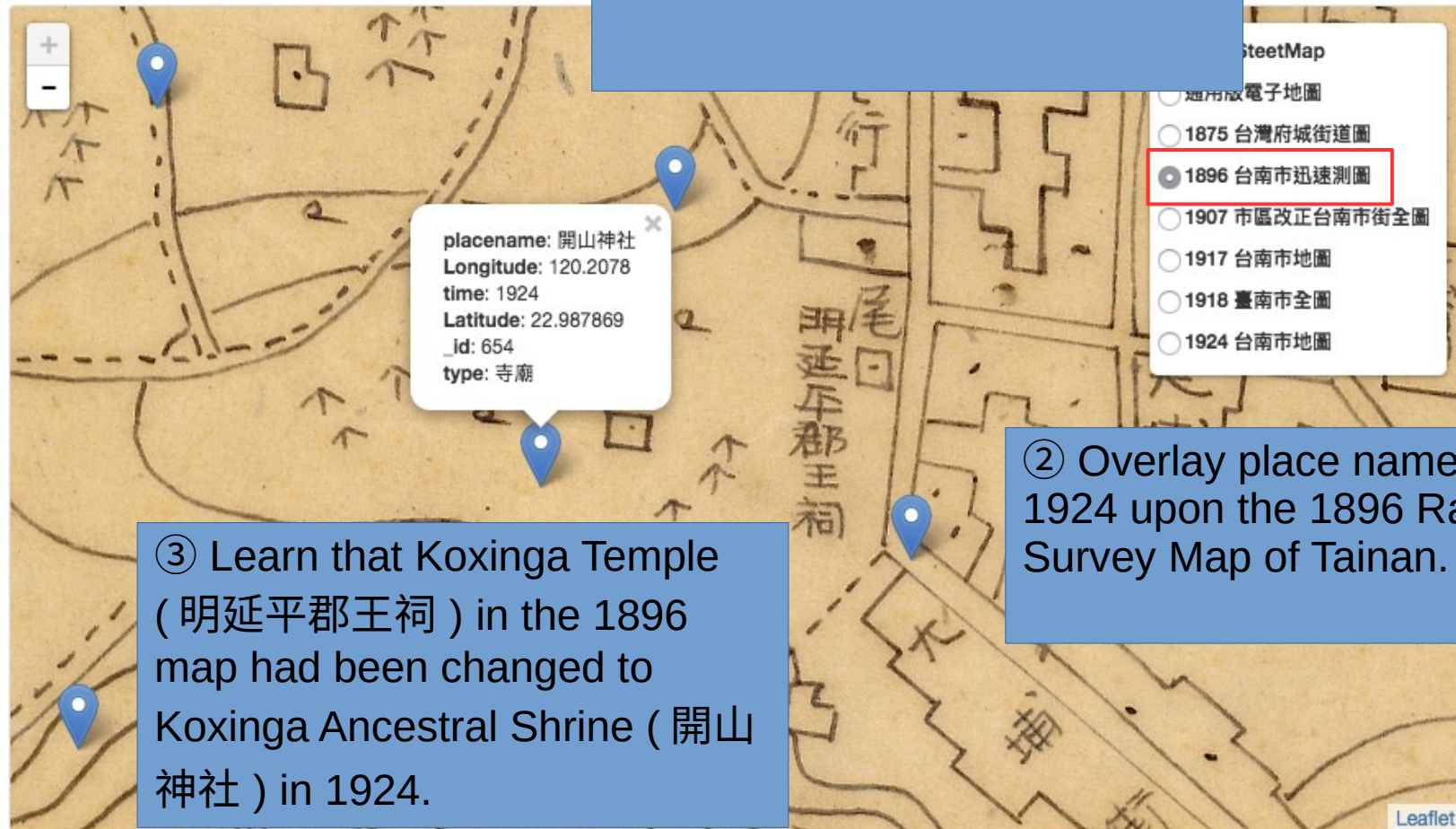
Place Names & Maps – A Showcase

<https://data.depositar.io/dataset/place-names-in-west-central-district-of-tainan>

Source: Place Names in West Central District of Tainan

All 1875 1896 1907 1917 1924 資料瀏覽器

Add Filter



① Place names extracted from a map of Tainan in 1924 (displayed as blue place marks).

② Overlay place names from 1924 upon the 1896 Rapid Survey Map of Tainan.

③ Learn that Koxinga Temple (明延平郡王祠) in the 1896 map had been changed to Koxinga Ancestral Shrine (開山神社) in 1924.

Roadkill Observations – A Showcase

<https://data.depositar.io/dataset/2016>

depositar

Datasets Topics Projects About Help

/ Datasets / 路殺社範例資料集-2016

路殺社範例資料集-2016

Followers

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Facebook

License

License Not Specified

Dataset extent



Map tiles & Data by OpenStreetMap

under CC BY-SA

Dataset Topics Activity Stream History Manage

路殺社範例資料集-2016

透過群眾所提供野生動物遭受車輛撞擊或輾壓致死的現象，並以結構化方式紀錄相關資訊

Data and Resources

路殺社範例資料集 Explore

Tags

roadkill

Basic Information

Data Type	Statistics
Language	Chinese

Temporal Information (Time Period of Dataset)

Start Time	2016-01-01
------------	------------

Spatial Fields

Spatial	show more
X.min	118.3588862609865
X.max	122.68355369567873
Y.min	21.45913969982141
Y.max	26.44352480769591

Management Information

Author	路殺社
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depositar

Datasets Topics Projects About Help

/ Datasets / 路殺社範例資料集-2016 / 路殺社範例資料集

路殺社範例資料集

Manage Download Data API

URL: <https://data.depositar.io/dataset/b78e1f21-1f5d-4fb6-95b5-619f3cb44797/resource/0158ed0f-1989-4a64-b67c-e7962c353d5...>

From the dataset abstract

透過群眾所提供野生動物遭受車輛撞擊或輾壓致死的現象，並以結構化方式紀錄相關資訊

Source: 路殺社範例資料集-2016

map

Embed

Add Filter

Grid Graph Map 3218 records « 1 - 100 » Search data ... Go Filters

id	id	科名	科名 (中...	物種名	物種名 (...	紀錄時間	地點	經度	緯度
1	24933	Bufonidae	蟾蜍科	Rana lon...	長腳赤蛙	2016-01...	宜蘭縣員...	121.636...	24.754443
2	24934	Muscica...	鶇科	Turdus p...	白腹鶇	2016-01...	基隆市中...	122.08166	25.62861
3	24935	Muridae	鼠科	Bandicot...	鬼鼠	2016-01...	高雄市茄...	120.195...	22.894975
4	24944	Talpidae	鼯鼠科	Mogera i...	台灣鼯鼠	2016-01...	台中市北...	120.788...	24.173821
5	24971	Colubridae	黃額蛇科	Lycodon...	白梅花蛇	2016-01...	新竹縣峨...	120.98417	24.698021
6	24972	Viperidae	蝮蛇科	Trimeres...	赤尾青竹絲	2016-01...	苗栗縣頭...	120.974...	24.702631
7	25004	Bufonidae	蟾蜍科	Bufo ba...	盤古蟾蜍	2016-01...	台北市士...	121.538...	25.127258
8	25006	Potamidae	溪蟹科	Geothel...	黃綠澤蟹	2016-01...	高雄市大...	120.408...	22.725732
9	25008	Laniidae	伯勞科	Lanius c...	紅尾伯勞	2016-01...	台北市柳...	120.349...	23.261861
10	25009	Muridae	鼠科	Rattus n...	溝鼠	2016-01...	台中市潭...	120.724...	24.231545
11	25023	Rallidae	秧雞科	Amauror...	白胸苦惡鳥	2016-01...	金門縣金...	118.412...	24.508996
12	25025	Columbi...	鳩鴿科	Streptop...	珠頸斑鳩	2016-01...	金門縣金...	118.319...	24.471015
13	25026	Bufonidae	蟾蜍科	Duttaphr...	黑眶蟾蜍	2016-01...	台北市文...	121.538...	25.008142
14	25027	Columbi...	鳩鴿科	Columba...	岩鴿	2016-01...	新北市貢...	121.984...	24.99522
15	25028	Rhacoph...	樹蛙科	Rhacoph...	台北樹蛙	2016-01...	基隆市暖...	121.734...	25.091321
16	25029	Rhacoph...	樹蛙科	Rhacoph...	台北樹蛙	2016-01...	基隆市暖...	121.734...	25.091321
17	25030	Rhacoph...	樹蛙科	Rhacoph...	台北樹蛙	2016-01...	基隆市暖...	121.734...	25.091321
18	25032	Colubridae	黃額蛇科	Ptyas dh...	過山刀	2016-01...	台中市太...	120.7971	24.10225

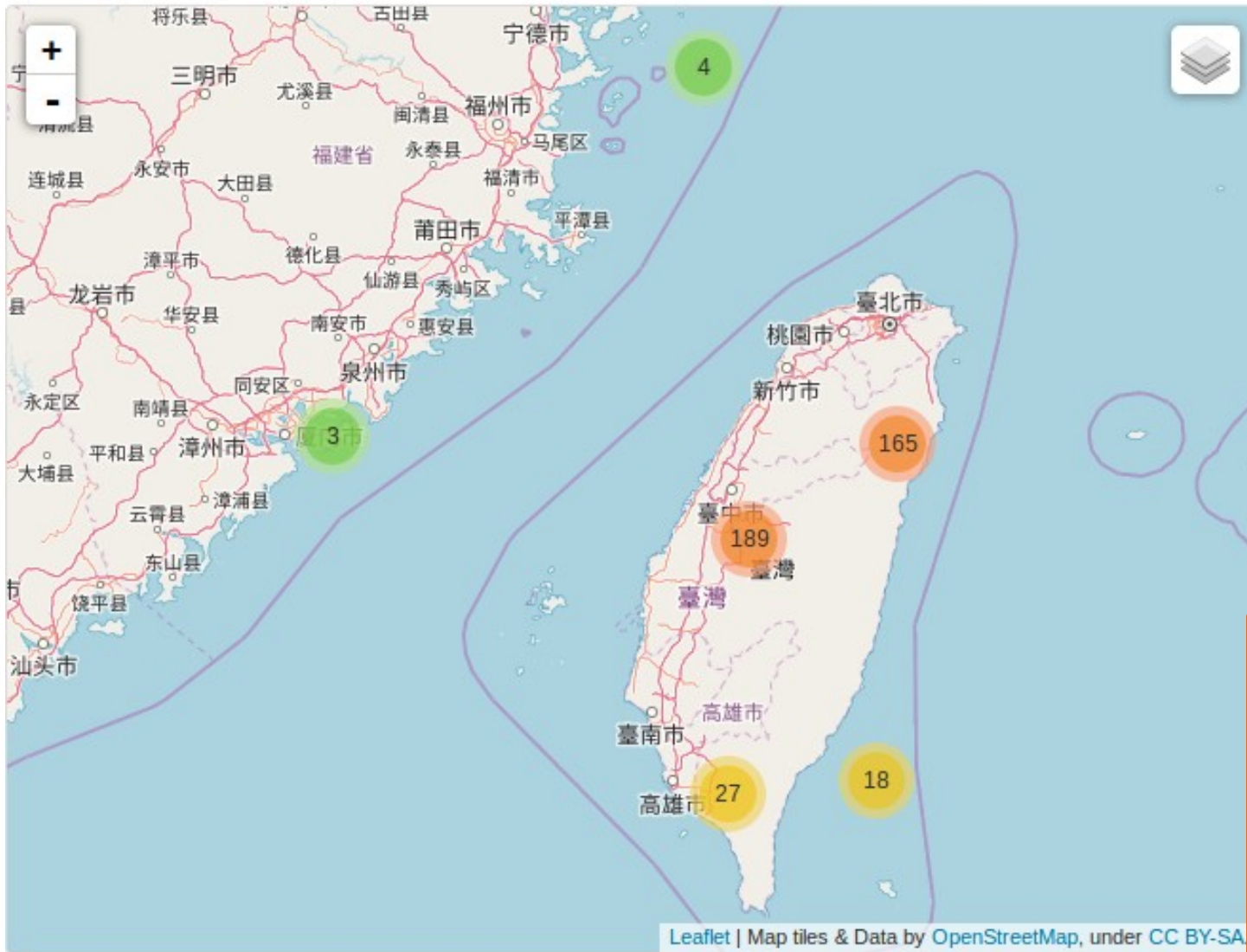
Roadkill Observations – A Showcase

<https://data.depositar.io/dataset/2016>

Add Filter

Grid Graph Map 3218 records « 1 – 20 » Q Search data ... Go » Filters

id	id	科名	科名 (...)	物種名	物種名...	紀錄時間	地點	經度	緯度
1	24933	Bufo	蟾蜍科	Rana lon...	長腳赤蛙	2016-01...	宜蘭縣員...	121.636...	24.754443
2	24934	Muscica...	鶺鴒科	Turdus p...	白腹鶺鴒	2016-01...	基隆市中...	122.08166	25.62861
3	24935	Muridae	鼠科	Bandicot...	鬼鼠	2016-01...	高雄市茄...	120.195...	22.894975
4	24944	Talpidae	鼯鼠科	Mogera i...	台灣鼯鼠	2016-01...	台中市北...	120.788...	24.173821
5	24971	Colubridae	黃頰蛇科	Lycodon...	白梅花蛇	2016-01...	新竹縣峨...	120.98417	24.698021
6	24972	Viperidae	蝮蛇科	Trimeres...	赤尾青竹絲	2016-01...	苗栗縣頭...	120.974...	24.702631
7	25004	Bufo	蟾蜍科	Bufo ban...	盤古蟾蜍	2016-01...	台北市土...	121.538...	25.127258
8	25006	Potamidae	溪蟹科	Geothel...	黃綠澤蟹	2016-01...	高雄市大...	120.408...	22.725732
9	25008	Laniidae	伯勞科	Lanius c...	紅尾伯勞	2016-01...	台南市柳...	120.349...	23.261861
10	25009	Muridae	鼠科	Rattus n...	溝鼠	2016-01...	台中市潭...	120.724...	24.231545
11	25023	Rallidae	秧雞科	Amauror...	白胸苦惡鳥	2016-01...	金門縣金...	118.412...	24.508996
12	25025	Columbi...	鳩鴿科	Streptop...	珠頸斑鳩	2016-01...	金門縣金...	118.319...	24.471015
13	25026	Bufo	蟾蜍科	Duttaphr...	黑眶蟾蜍	2016-01...	台北市文...	121.538...	25.008142
14	25027	Columbi...	鳩鴿科	Columba...	岩鴿	2016-01...	新北市貢...	121.984...	24.99522
15	25028	Rhacoph...	樹蛙科	Rhacoph...	台北樹蛙	2016-01...	基隆市暖...	121.734...	25.091321
16	25029	Rhacoph...	樹蛙科	Rhacoph...	台北樹蛙	2016-01...	基隆市暖...	121.734...	25.091321
17	25030	Rhacoph...	樹蛙科	Rhacoph...	台北樹蛙	2016-01...	基隆市暖...	121.734...	25.091321
18	25032	Colubridae	黃頰蛇科	Ptyas dh...	過山刀	2016-01...	台中市太...	120.7971	24.10225
19	25033	Strigidae	鴞鴞科	Strigidae	鴞鴞科	2016-01...	台北市文...	121.586...	24.982227
20	25034	Sturnidae	椋鳥科	Acridoth...	家八哥	2016-01...	金門縣金...	118.413...	24.507908



- Latitude / Longitude fields
- GeoJSON field

Latitude field

緯度

Longitude field

經度

Update

- Auto zoom to features
- Cluster markers

Filters

Add filter

科名 (中文) ×

蟾蜍科

Update



Latitude / Longitude fields
 GeoJSON field

Latitude field

緯度

Longitude field

經度

Update

- Auto zoom to features
- Cluster markers

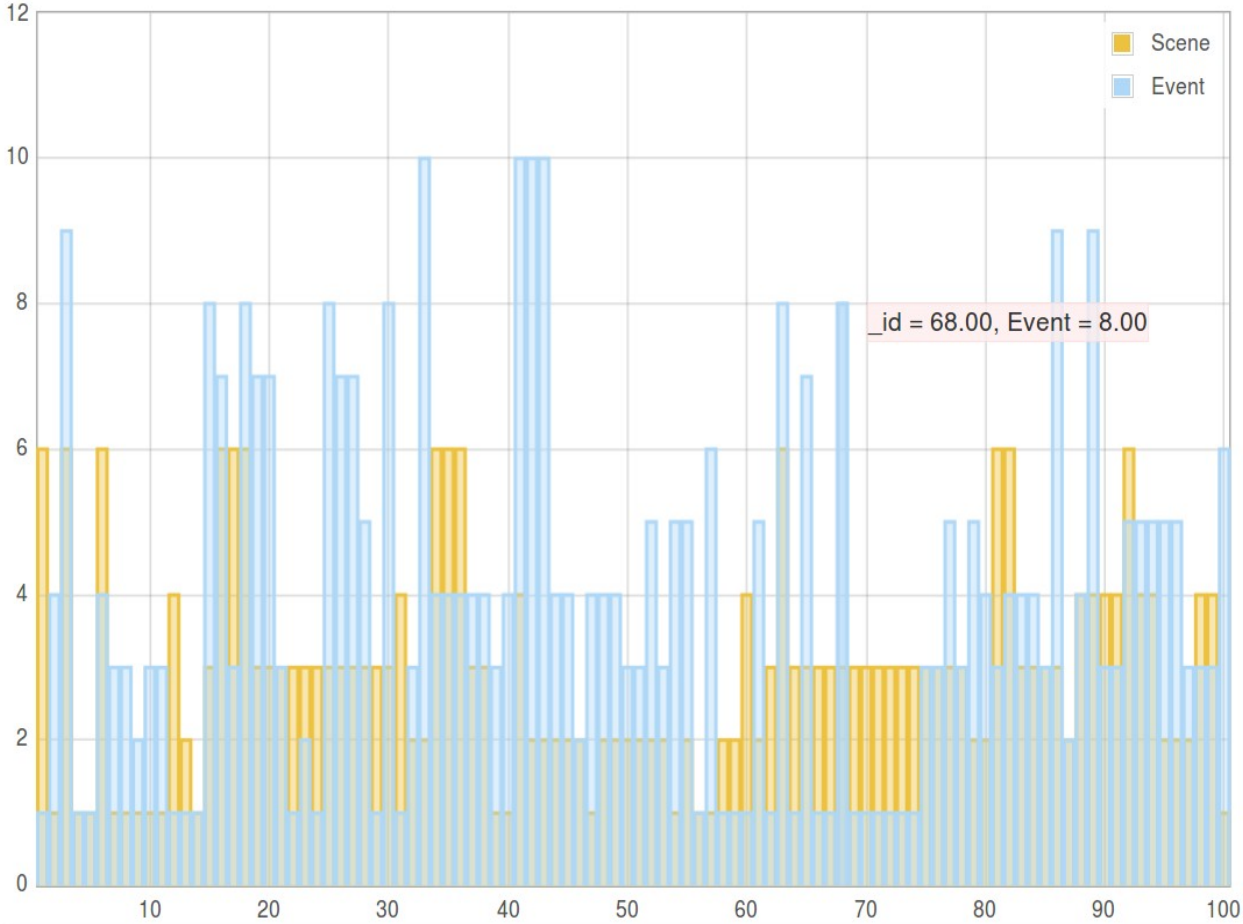
Filters

Add filter

科名 (中文) ×

蟾蜍科

Update



Graph Type

Columns

Group Column (Axis 1)

_id

Series B (Axis 2) [Remove]

Scene

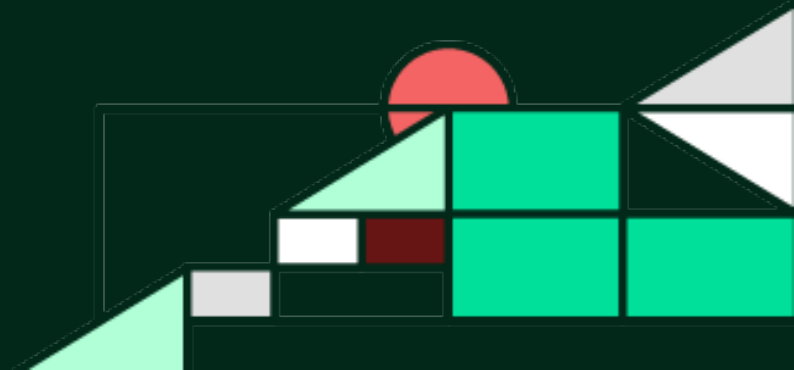
Series D (Axis 2) [Remove]

Event

Add Series

depositar – Features and Show Cases

- *Findability*
- *Accessibility*
- *Interoperability*
- *Reusability*



API

🏠 / Projects / 台江內海地區跨領域研究群 / Taijiang ... / Place Names in West ... / Place Name

Place Name

Download

Data API

URL: <https://data.depositar.io/dataset/663e06ce-904b-44e6-94fe-370a103f9587/resource/2bbe675c-67eb-4c91-8aef-e675fd16064a>

From the dataset abstract

Place Names on Ancient Maps of West Central District of Tainan.

```
object {3}
  help : https://data.depositar.io/api/3/action/help_show?name=datastore_search
  success : true
  result {8}
    include_total : true
    resource_id : 2bbe675c-67eb-4c91-8aef-e675fd16064a
    fields {6}
      0 {2}
        type : int
        id : _id
      1 {2}
        type : text
        id : placename
      2 {2}
        type : numeric
        id : time
      3 {2}
        type : numeric
        id : Longitude
      4 {2}
        type : numeric
        id : Latitude
      5 {2}
        type : text
        id : type
    records_format : objects
    q : 關山神社

records {3}
  0 {7}
    _id : 399
    placename : 關山神社
    time : 1907
    Longitude : 120.207515
    Latitude : 22.987578
    type : 寺廟
    rank : 0.0573088
  1 {7}
    _id : 460
    placename : 關山神社
    time : 1917
    Longitude : 120.207467
    Latitude : 22.987777
    type : 寺廟
    rank : 0.0573088
  2 {7}
    _id : 654
    placename : 關山神社
    time : 1924
    Longitude : 120.2078
    Latitude : 22.987869
    type : 寺廟
    rank : 0.0573088
  _links {2}
    start : /api/3/action/datastore_...
```

CKAN Data API

Access resource data via a web API with powerful query support. Further information in the [main CKAN Data API and DataStore documentation](#).

[Endpoints »](#)

The Data API can be accessed via the following actions of the CKAN action API.

Create	https://data.depositar.io/en/api/3/action/datastore_create
Update / Insert	https://data.depositar.io/en/api/3/action/datastore_upsert
Query	https://data.depositar.io/en/api/3/action/datastore_search
Query	

Wikidata-powered Keywords

- Keywords
 - controlled vocabularies for tagging datasets
 - DIY vocabulary design: a never-ending story ...
- Use [Wikidata](#) as the source for keywords
 - 59M+ entries
 - multilingual
 - semantic relations enable data inference
 - e.g. Taipei is part of Taiwan



Wikidata Entries as Keywords

Search and select keywords:

Keywords: 松山

Management

* License:

* Author:

Created Time:

Q200022	Matsuyama	city in Japan
Q2427293	Yoshiyuki Matsuyama	Japanese footballer
Q360986	Kenichi Matsuyama	Japanese actor
Q271124	Songshan	district in Taipei

Keywords (as Wikidata IDs) are stored.

Viewed in English:

Keywords

Tainan

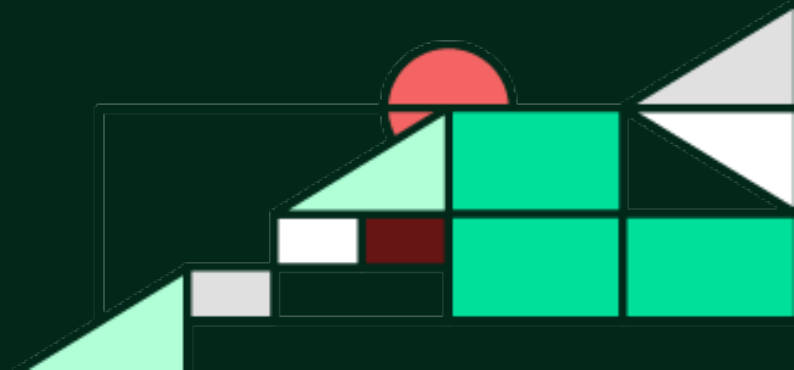
Viewed in Chinese:

關鍵字

臺南市

depositar – Features and Show Cases

- *Findability*
- *Accessibility*
- *Interoperability*
- *Reusability*



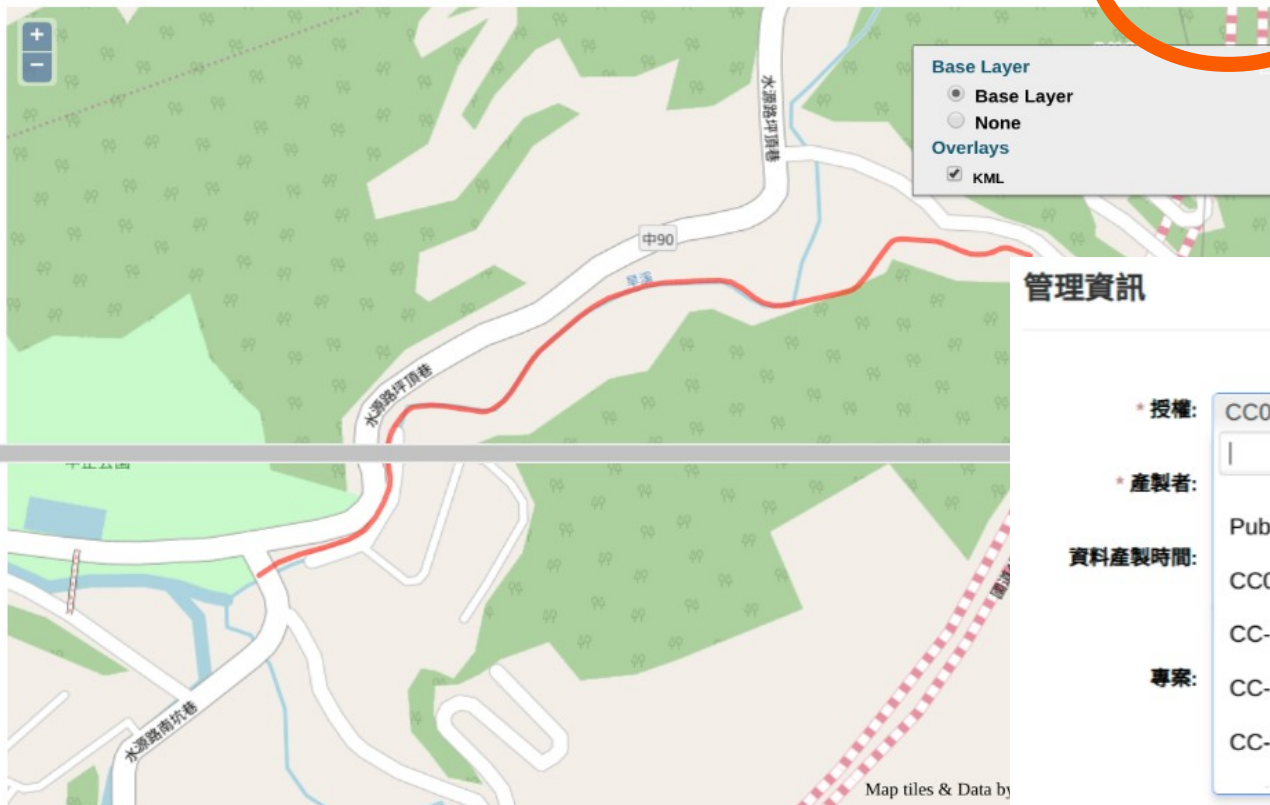
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台中市豐原區北坑溪0K+000~0K+741.4治理工程範圍

URL: https://data.depositar.io/zh_TW/dataset/85208458-cfbd-49a7-8277-7423f7146f23/resource/7698c512-2da4-465c-873d-2a48...

北坑溪0K+000~0K+741.4治理工程範圍KML檔

Map viewer



Download

Embed

Cite as

Beta

American Psycholog...

台中市政府水利局, 社團法人台灣石虎保育協會. (2019). 2018台中市霧峰區車籠埤排水治理工程設計階段生態檢核 (Version 2019-08-28T13:30:04.691843) [Data set]. Retrieved from <https://data.depositar.io/en/dataset/fde73>

Cut to clipboard

Metadata for Datasets

- designed for cross-disciplinary research
- emphasizing spatiotemporal description
- nice user interface for metadata authoring

Language:

Temporal Information (Time Period of Dataset)

Time Period Shortcut:

Temporal Resolution:

Start Time:

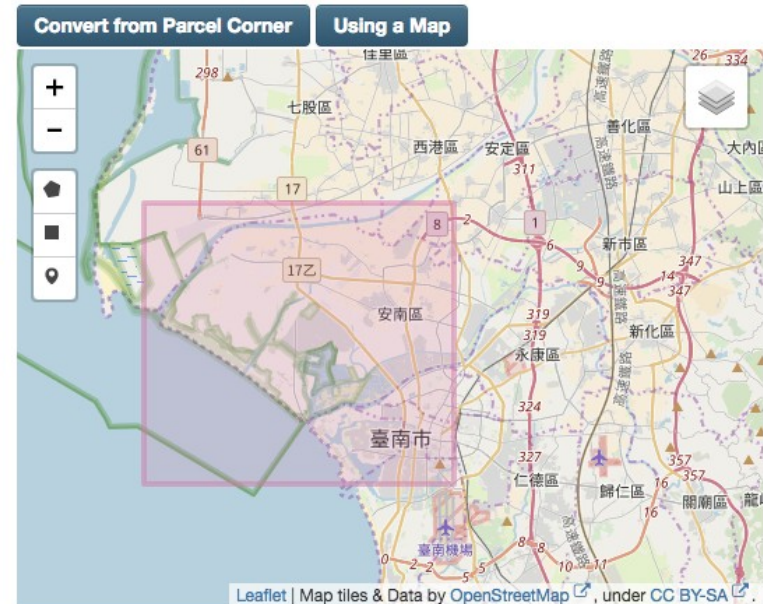
End Time:

i This shortcut provides some historical periods for filling temporal information of the dataset.

i Depend on the temporal resolution setting. Acceptable formats: 'YYYY', 'YYYY-MM', or 'YYYY-MM-DD'.

i Depend on the temporal resolution setting. Acceptable formats: 'YYYY', 'YYYY-MM', or 'YYYY-MM-DD'.

Spatial Fields



```
Spatial: [{"type": "Polygon", "coordinates": [[[120.05825042724611, 22.969773432534776], [120.05825042724611, 23.09678621760499], [120.21068572998048, 23.09678621760499], [120.21068572998048, 22.969773432534776], [120.05825042724611, 22.969773432534776]]]]}]
```

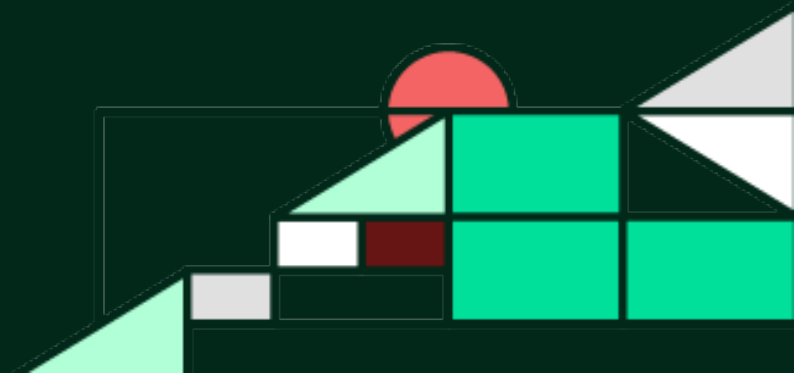
This column is used for geo-indexing the dataset. Click for details.

- Bilingual
 - English
 - Chinese
- Metadata
- User interface

▼ Data Type	▼ 資料類型
Books (455)	文獻書籍 (455)
Vector (144)	向量資料 (144)
Statistics (103)	統計資料 (103)
Pictures (Spatial) (34)	圖像 (空間類) (34)
Pictures (Non spatial) (25)	圖像 (非空間類) (25)
▼ Language	▼ 語言
Chinese (730)	華語/中文 (730)
Dutch (22)	荷蘭語 (22)
English (8)	英語 (8)
Spanish (Castilian) (1)	西班牙語 (1)
▼ Historical Material	▼ 使用史料
Local chronicles in Qing dynasty (36)	清代方志 (36)
Maps (20)	地圖 (20)
Japan officials (19)	日治出版品與官方資料 (19)
Newspapers (16)	報紙 (16)
Inscriptions (9)	碑文 (9)
Taiwanese Governor Office Files (9)	台灣總督府檔案 (公文類纂、府報、調查報告、職員錄、衛生法規) (9)
Dutch Formosa (5)	荷治時期檔案 (5)
Officials in postwar period (1)	戰後官方資料與鄉鎮志 (1)

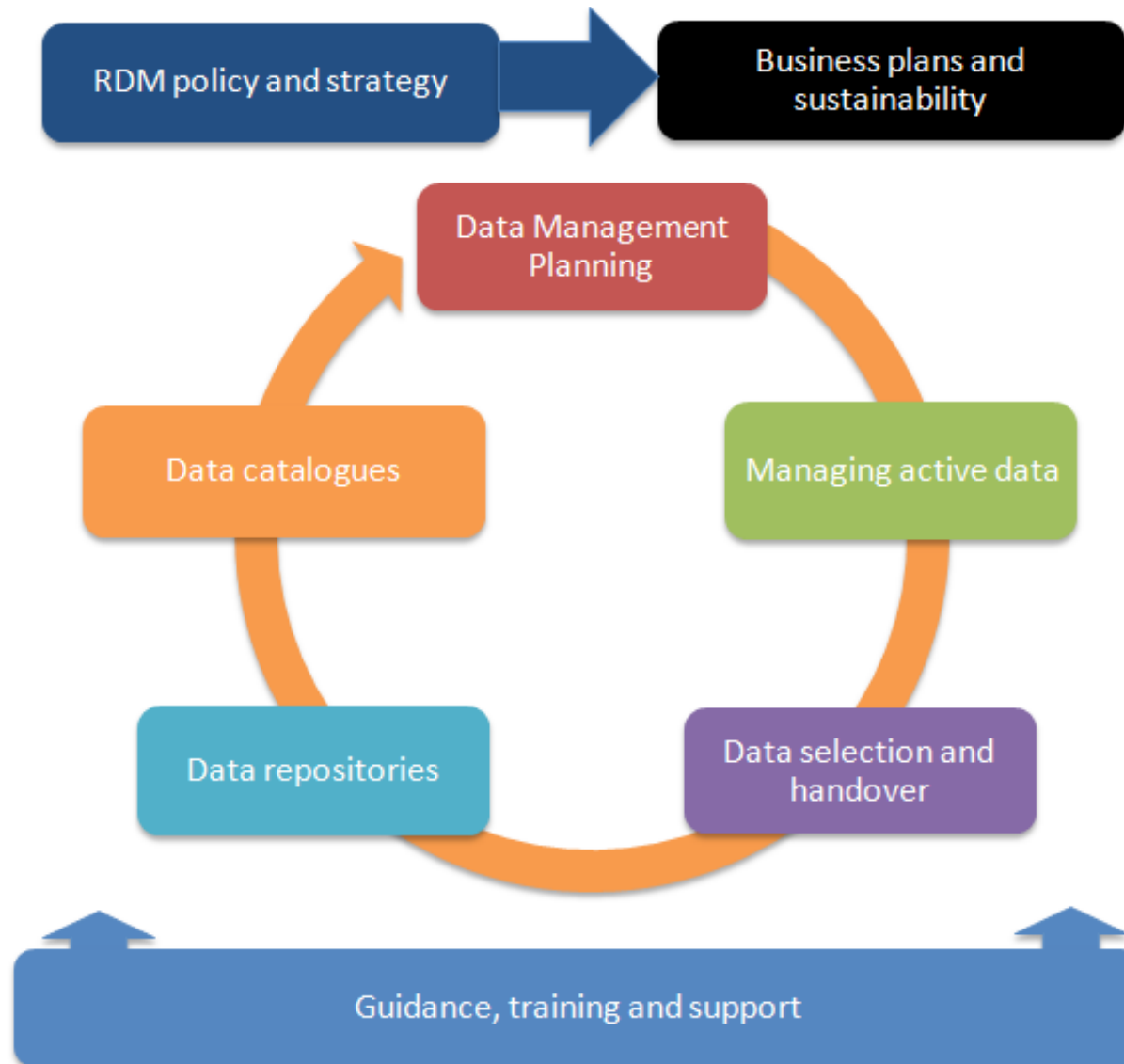
Users

Collaboration in Soundscape Monitoring



Research Data Management (RDM)

<http://www.dcc.ac.uk/resources/how-guides/how-develop-rdm-services>





Data Management Plan

- **Data Collection**
 - What data will you collect or create?
 - How will the data be collected or created?
- **Documentation and Metadata**
 - What documentation and metadata will accompany the data?
- **Ethics and Legal Compliance**
 - How will you manage any ethical issues?
 - How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?
- **Storage and Backup**
 - How will the data be stored and backed up during the research?
 - How will you manage access and security?
- **Selection and Preservation**
 - Which data are of long-term value and should be retained, shared, and/or preserved?
 - What is the long-term preservation plan for the dataset?
- **Data Sharing**
 - How will you share the data?
 - Are any restrictions on data sharing required?
- **Responsibilities and Resources**
 - Who will be responsible for data management?
 - What resources will you require to deliver your plan?

Data Workflow

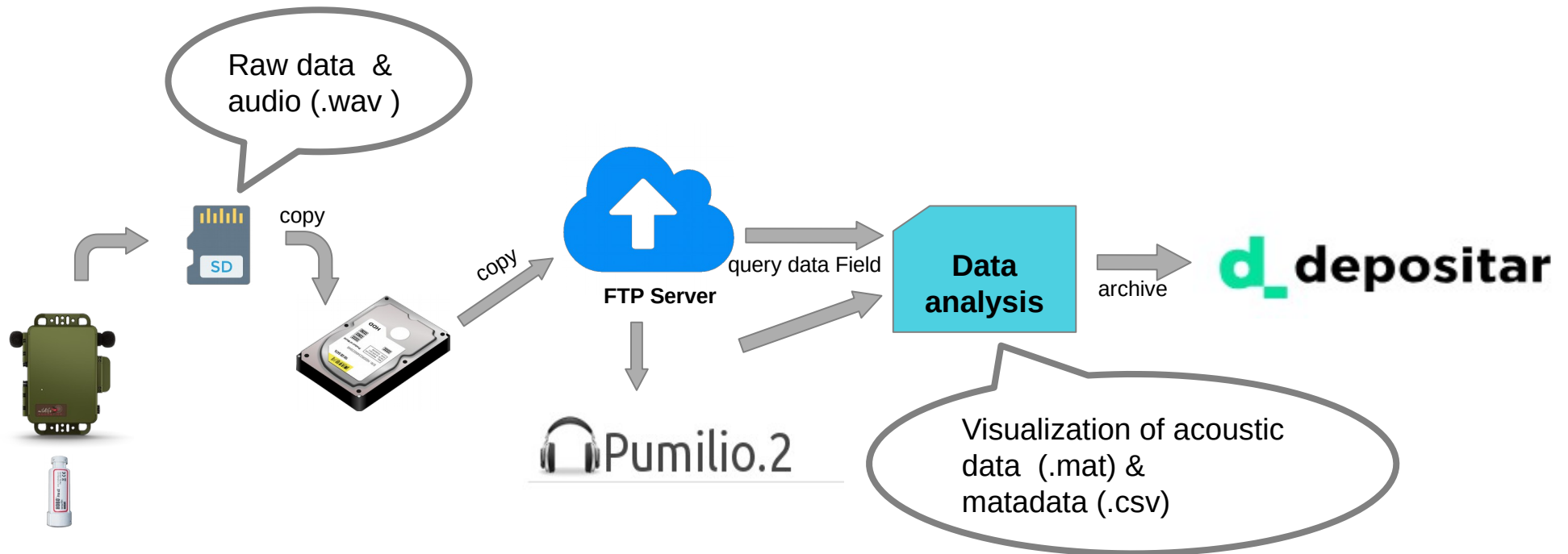
Data Management Plan

Data Collection

- What data will you collect or create?
- How will the data be collected or created?

Documentation and Metadata

- What documentation and metadata will accompany the data?



Manually

Semi-automatically

Manually

Project Composition and Roles

Partner (Site manager)

- **Maintain** the sensor.
- **Check** the data quality.
- **Back up** all files from SD card to HD.
- **Rename** all the wav files.
- **Upload** all files of a deployment of a monitoring site to the shared FTP server.
- **Recording** the basic environmental and ecological descriptions.

Data manager

- **Check** the data quality.
- **Rename** all the wav files.
- **Upload** all files of a deployment of a monitoring site to the shared FTP server.
- **Recording** the basic environmental and ecological descriptions.
- **Upload** the associated file in *depositar* (metadata archive).

Researcher / Project Manager

- **Register** the wav files from FTP.
- **Process** all the wav files to generate necessary parameters **to** obtain a csv sheet.
- **Query** the Sound ID and associated with analyzed parameters in a csv sheet.
- **Upload** the csv file in *depositar* (metadata archive) or PlotDB (for interactive visualization).

data.depositar.io

Topics

- Asian Soundscape Monitoring Network
- Natural and physical sciences

Project Asian Aquatic Soundscape

Dataset
site1

Dataset
site2

⋮

Project Asian Forest Soundscape

Dataset
site1

Dataset
site2

⋮

Project Ultrasoundscape in Taiwan

Dataset
site1

Dataset
site2

⋮

Keywords

- biodiversity
- geophony
- biophony
- anthrophony
- Vietnam 、 Thailand
- Soundscape ...

Tags

- biological sounds
- long-term monitoring
- Chiroptera ...

Formats

- csv 、 mat ...

Data on *depositar*

Asian Soundscape Monitoring Network

<https://data.depositario.org/group/asian-soundscape-monitoring-network>

Asian Soundscape Monitoring Network

Followers 0 Datasets 4

Projects

- Asian Forest Sound... (2)
- Asian Aquatic Sound... (1)
- Ultrasoundscape in ... (1)

Topics

- 08. 自然與物理科學 / Natur... (4)
- Asian Soundscape Mo... (4)

Keywords

- soundscape (4)

Tags

- biological sounds (2)
- Soundscape (2)
- algae reef (1)

4 datasets found

Order by: Relevanc

The soundscape of Lienhuachih Research Center, site LHCO

Habitat of the monitoring site The monitoring site located in a natural broad-leaved fo...
dominated by tree species of Lauraceae and Fagaceae at 818 meters in altitude. Me

WAV

自然谷聲景監測

與台灣環境資訊協會共同合作新竹縣芎林鄉自然谷環境信託園區的長期聲景監測。

CSV MAT

Ultrasoundscape in Dongyanshan Forest Recreation Area 2

Basic information Site code : TW_BRCAS_TYDY Latitude : 24.81695 Longitude : 121.23111
Altitude : 854 Habitat : Mixed broadleaf forest Device and configuration Recorder : S...
Serial...

CSV

Algae Reef Soundscape

Underwater soundscapes of algae reefs at Taoyuan, Taiwan. Acoustic Recorders. So...
300STD recorders were used to collect underwater recordings. Two SoundTrap reco

CSV mat

Algal Reef Soundscap e

追蹤者

0

➔ 跟隨

📄 專案



Asian Aquatic Soundscape

此專案沒有任何說明

🌐 社交

📄 Google+

🐦 Twitter

📘 Facebook

🔒 授權 ⓘ

CC-BY 4.0 [OPEN DATA](#)

📍 Dataset extent



Map tiles & Data by [OpenStreetMap](#)

📁 資料集 🏷️ 主題 🕒 動態牆 📜 歷史紀錄

🔧 管理

Algal Reef Soundscape

Underwater soundscapes of algal reefs at Taoyuan, Taiwan.

Acoustic Recorders. SoundTrap 300STD recorders were used to collect underwater recordings. Two SoundTrap recorders were used in three surveys: SoundTrap 300STD #1 SN1208004643; SoundTrap 300STD #2 SN805347354.

Configuration of Audio Recording. (1) Duration: 5 min. (2) Sampling Rate: 96kHz. (3) Channels: 1. (4) File Format: WAV (converted by SUD). (5) Audio Gain: High. (6) High Pass Filter: Off.

Field Deployment. Each SoundTrap recorder was fixed vertically on an angle steel at the bottom. The recorder was exposed in the air during low tide, so the collection of underwater recordings were only possible 3 hours before and after the high water.

Data Processing. We used the LTSA_gui (<https://github.com/schonkopf/long-term-spectrogram>) to visualize the spectral-temporal change of long-duration recordings. By the median-based long-term spectrogram, we employed the periodicity-coded non-negative matrix factorization (<https://github.com/schonkopf/soundscape-viewer>) to separate the audio data into two components: (1) high-frequency biological chorus, and (2) low-frequency ambient noise. The relative intensities of the two components were analyzed.

資料與資源

📄 Spatiotemporal change of soundscape

This csv describes the Location, Latitude, Longitude, Survey Number, Tide...

📄 Field recordings at BY

Audio archive on Asian Soundscape

📄 Field recordings at G1

Audio archive on Asian Soundscape

📄 Field recordings at G2

Audio archive on Asian Soundscape

📄 Field recordings at YX

Audio archive on Asian Soundscape

📄 Field recordings at YA

Audio archive on Asian Soundscape

📄 Long-term spectrogram of the Survey 1 at BY

Please use Soundscape_Viewer (<https://github.com/schonkopf/soundscape-viewer>)...

📄 Long-term spectrogram of the Survey 1 at G1

Basic site information

Spatiotemporal change of soundscape (.csv)

Audio archive (Pumilio)

Visualization of acoustic data (.mat)

🔍 探索

🔍 探索

🔍 探索

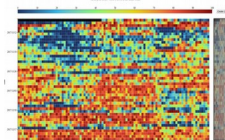
🔍 探索

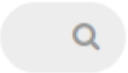
🔍 探索

🔍 探索

🔍 探索

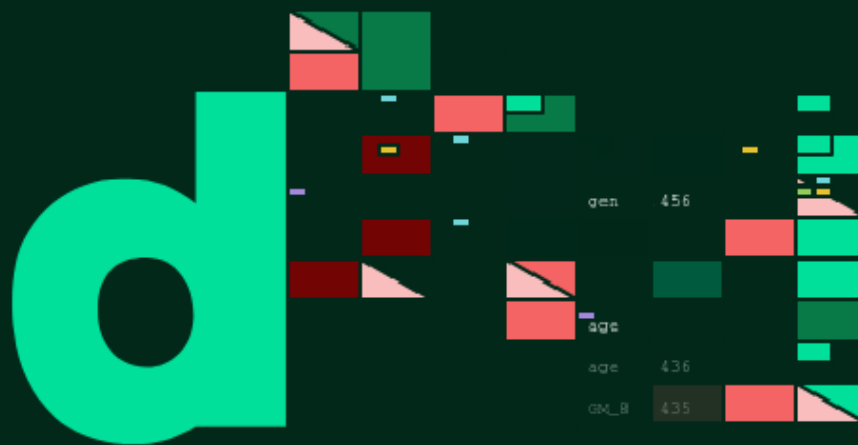
🔍 探索

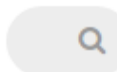




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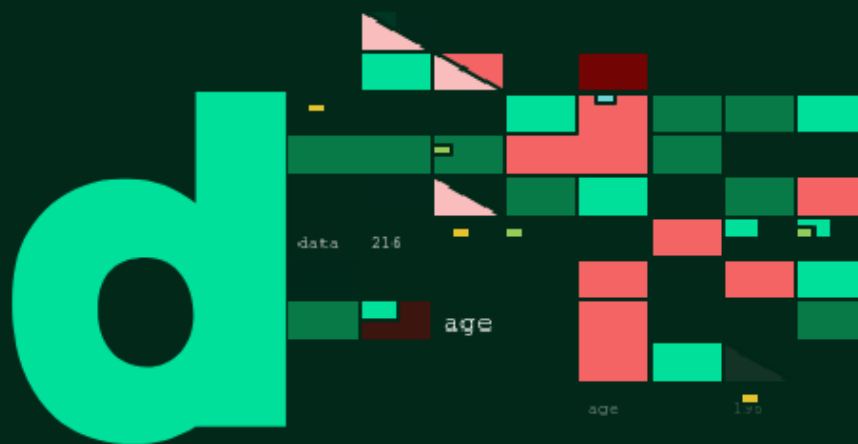
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Roadkill



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Geography and places



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Mathematics and logic



Natural and physical sciences



People and self



Philosophy and thinking



Religion and belief systems

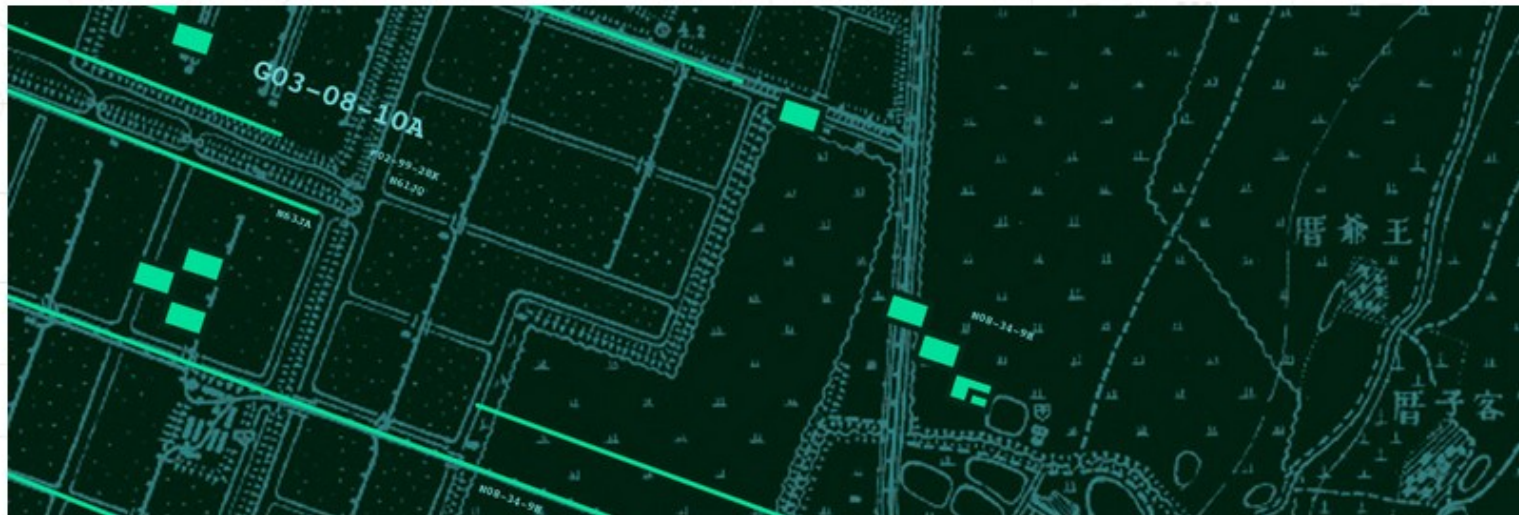


Society and social sciences



Technology and applied sciences

Selected Datasets



Taiwan History and Culture in Time and Space

Do you know that there are ancient waterway routes around Taiwan?

Have you heard about the routes for gold prospecting in Eastern Taiwan during the Dutch Formosa period?

Partners

[Center for GIS, RCHSS, Academia Sinica](#)

[Electronic Cultural Atlas Initiative \(ECAI\)](#)

[Chia-nan Interdisciplinary Project](#)

[Collaborative Zuojhen Project](#)

[Asian Soundscape Monitoring Network](#)

[Taiwan Roadkill Observation Network](#)



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[Source code available on GitHub](#)

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Thank You!

<http://data.depositar.io/>

<http://demo.depositar.io/>

data.contact@depositar.io

