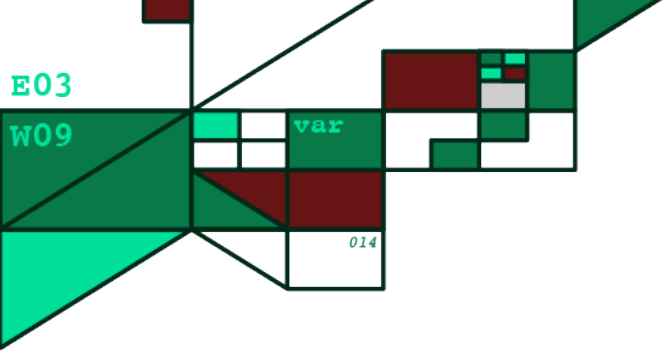


depositar
研究資料寄存所

Updates on the *depositar* – An Open Repository for All

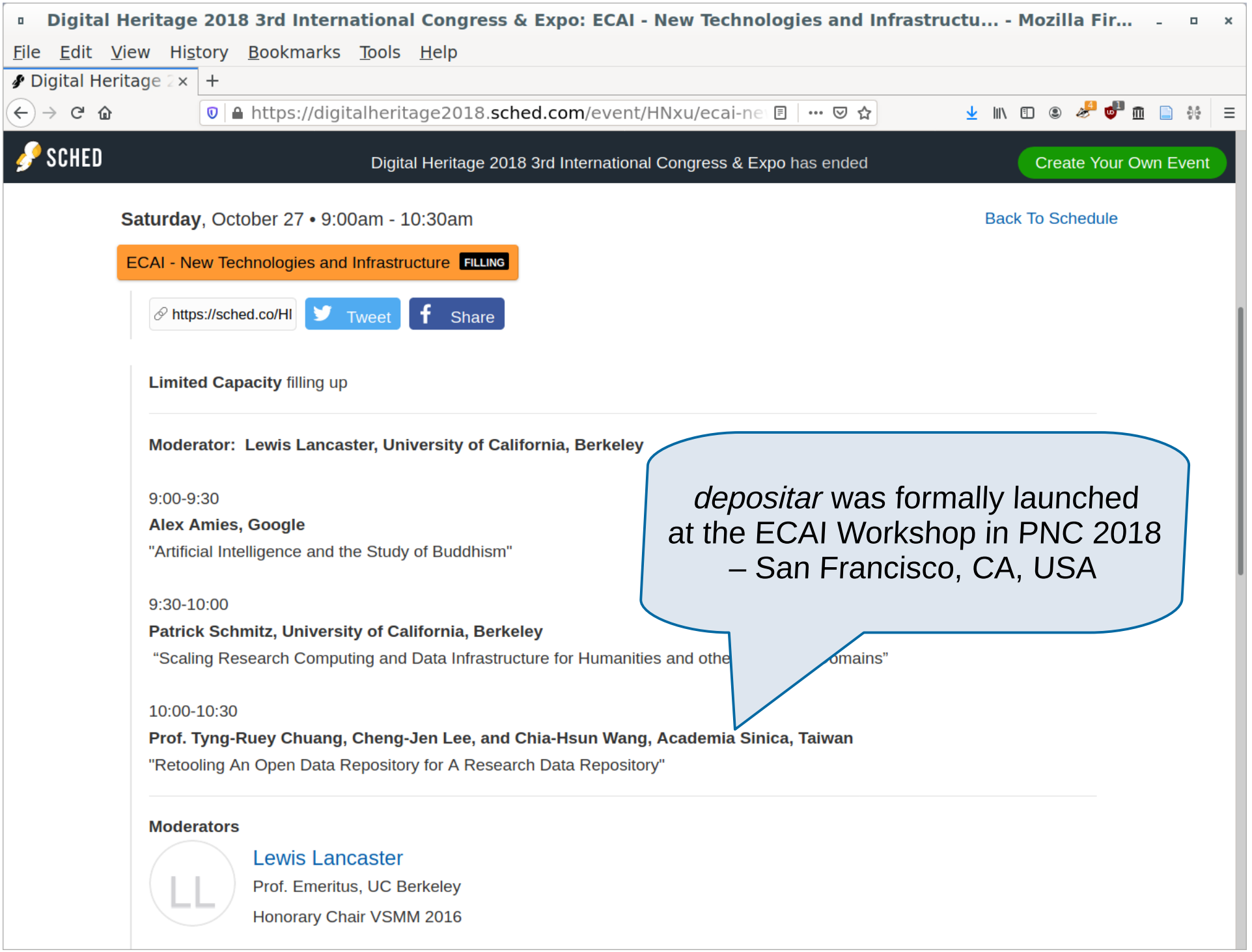
ECAI Workshop @ PNC 2021 Annual Meeting

2021-09-29

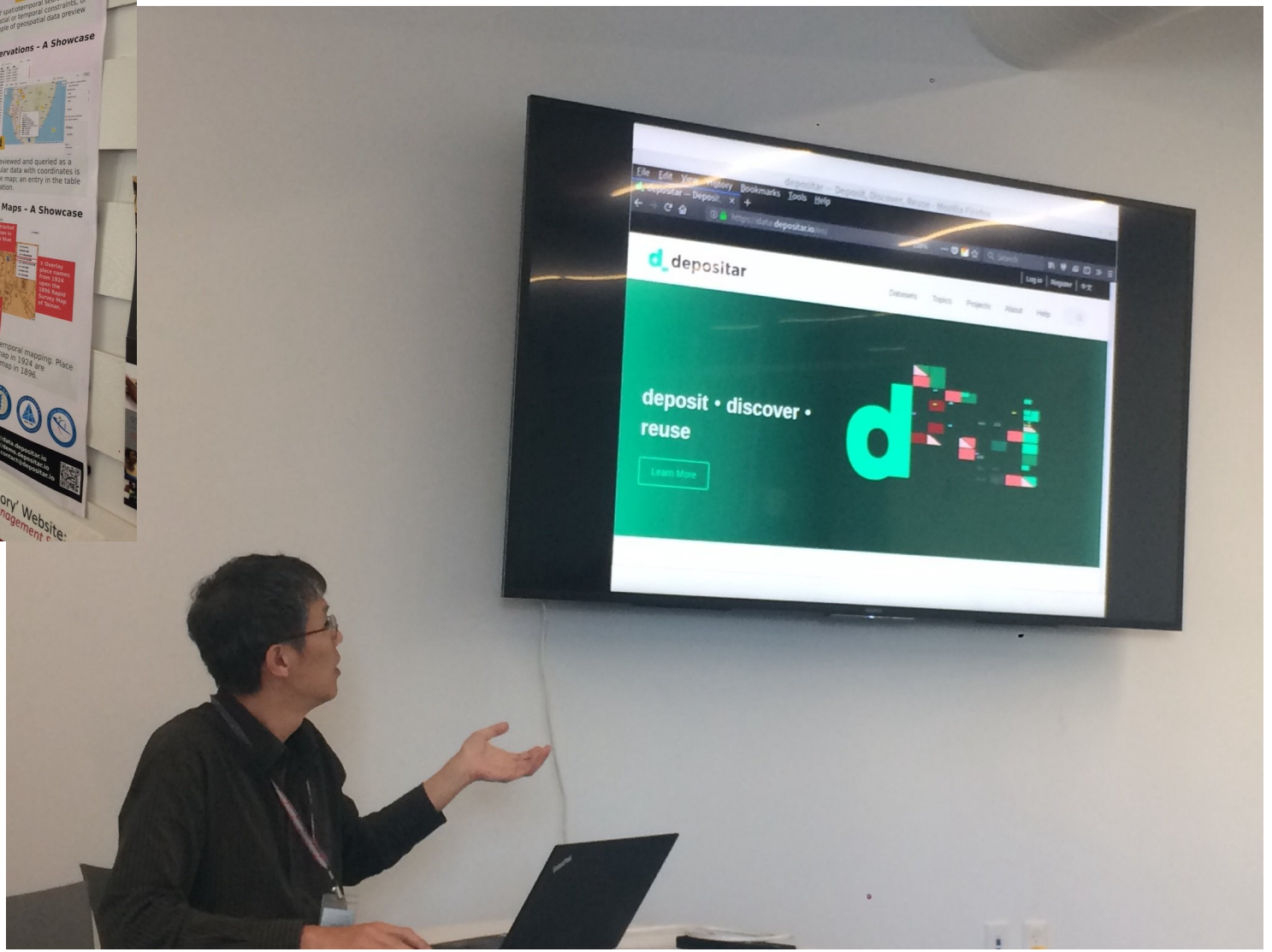
Tyng-Ruey Chuang
with Ming-Syuan Ho, Cheng-Jen Lee, and Chia-Hsun Ally Wang

Institute of Information Science, Research Center for Information Technology Innovation, and
Research Center for Humanities and Social Sciences (GIS Center)
Academia Sinica

https://m.odw.tw/u/trc/m/pnc-2021/


Digital Heritage 2018 3rd International Congress & Expo: ECAI - New Technologies and Infrastructu... - Mozilla Fir...
File Edit View History Bookmarks Tools Help
Digital Heritage
https://digitalheritage2018.sched.com/event/HNxu/ecai-ne
SCHED
Digital Heritage 2018 3rd International Congress & Expo has ended
Create Your Own Event
Saturday, October 27 • 9:00am - 10:30am
Back To Schedule
ECAI - New Technologies and Infrastructure FILLING
https://sched.co/HI
Tweet
Share
Limited Capacity filling up
Moderator: Lewis Lancaster, University of California, Berkeley
9:00-9:30
Alex Amies, Google
"Artificial Intelligence and the Study of Buddhism"
9:30-10:00
Patrick Schmitz, University of California, Berkeley
"Scaling Research Computing and Data Infrastructure for Humanities and othe omains"
10:00-10:30
Prof. Tyng-Ruey Chuang, Cheng-Jen Lee, and Chia-Hsun Wang, Academia Sinica, Taiwan
"Retooling An Open Data Repository for A Research Data Repository"
depositar was formally launched at the ECAI Workshop in PNC 2018 – San Francisco, CA, USA
Moderators
LL
Lewis Lancaster
Prof. Emeritus, UC Berkeley
Honorary Chair VSMM 2016


Deposit, Discover, and Reuse Research Data with depositar
What is depositar ?
For Your Datasets
For Your Projects
It's Open and Free!
Data Discovery and Preview
Roadkill Observations - A Showcase
Place Names & Maps - A Showcase
Construction of a Global Sharable 'National Memory' Website:
Case Study of Taiwan Memory Online Exhibition and Management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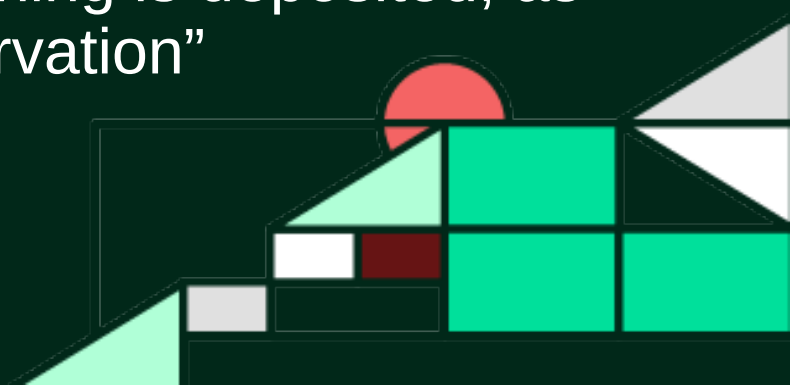
FOLLOW U

depositar – An Open Repository for All

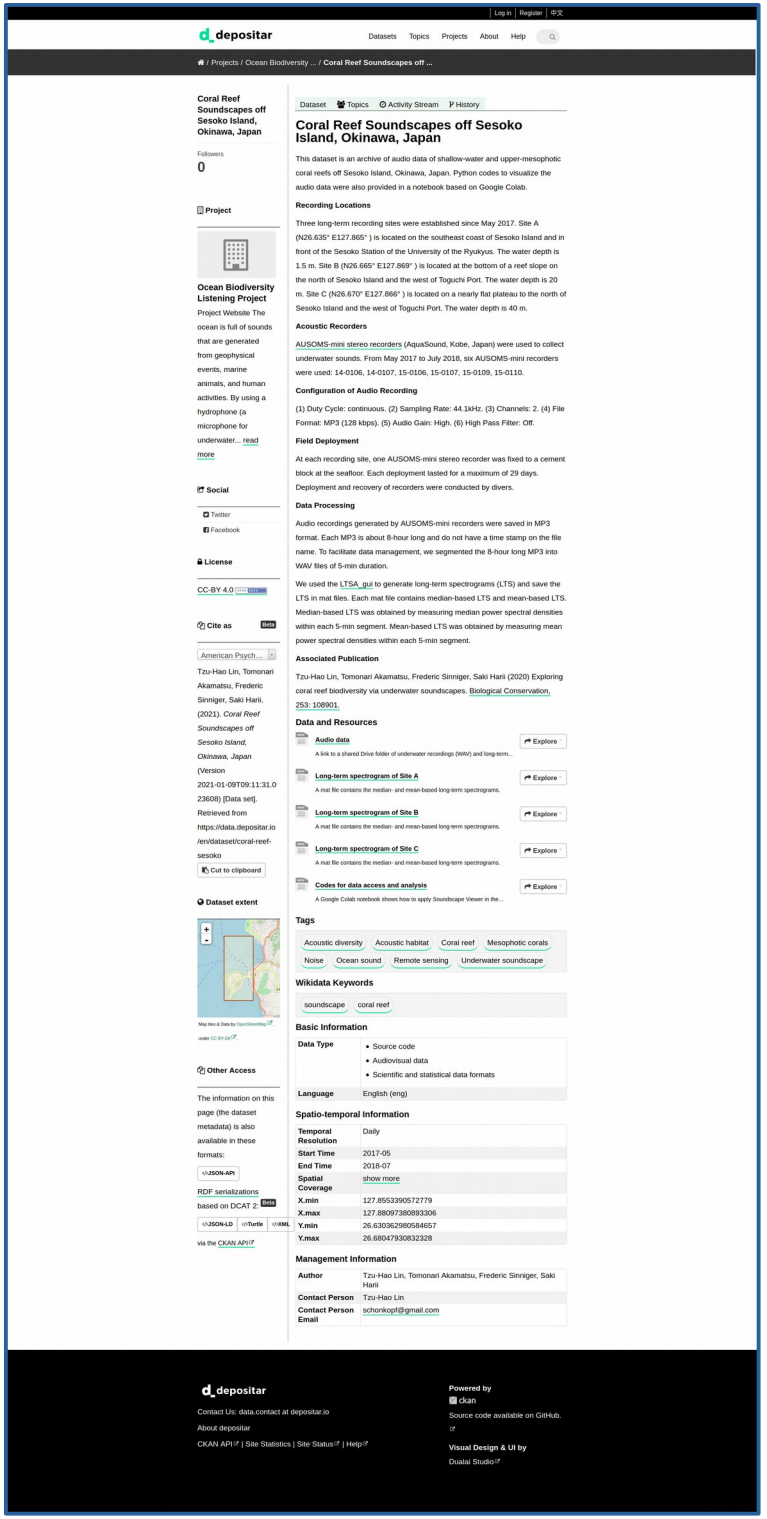
- Built on top of CKAN with customized extensions
  - Code contributed upstream to CKAN development
- Free software, free registration, free content
  - FAIR: “Findable, Accessible, Interoperable, Reusable”
- More a depository than a publisher
  - publisher: engage in “acquisition, copy editing, production, (e-)printing, marketing and distribution”
  - depository: “a place where something is deposited, as for storage, safekeeping or preservation”



p. 22, “Retooling An Open Data Repository For A Research Data Repository” slideset for the ECAI Workshop in PNC 2018.

Infrastructure from below

- Research data management is infrastructure work
  - basic but not sexy; mismatch in needs and resources
  - culture of collaboration; priority in coordination
  - need to be a community of practices
- Infrastructure with small pieces from below
  - common licenses, vocabularies, formats, protocols, etc.
  - reusable tools (e.g. CKAN) and references (Wikidata)
  - resource pooling: people, CPU, storage, bandwidth, etc.
  - engaging in communication: code, data, experience, etc.



A Sample Dataset at *depostar*

https://data.depositar.io/en/dataset/coral-reef-sesoko

A tour:

- Long description of the dataset and the project
- Data and (external) resources
- Tags and Wikidata keywords
- Basic information
- Spatio-temporal information
- Management information
- License
- Citation snippet
- Data endpoints
  - JSON-API
  - RDF serializations

Coral Reef Soundscapes off Sesoko Island, Okinawa, Japan

Followers

0

Project

Ocean Biodiversity Listening Project

Project Website The ocean is full of sounds that are generated from geophysical events, marine animals, and human activities. By using a hydrophone (a microphone for underwater... read more

Dataset | Topics | Activity Stream | History

Coral Reef Soundscapes off Sesoko Island, Okinawa, Japan

This dataset is an archive of audio data of shallow-water and upper-mesophotic coral reefs off Sesoko Island, Okinawa, Japan. Python codes to visualize the audio data were also provided in a notebook based on Google Colab.

Recording Locations

Three long-term recording sites were established since May 2017. Site A (N26.635° E127.865°) is located on the southeast coast of Sesoko Island and in front of the Sesoko Station of the University of the Ryukyus. The water depth is 1.5 m. Site B (N26.665° E127.869°) is located at the bottom of a reef slope on the north of Sesoko Island and the west of Toguchi Port. The water depth is 20 m. Site C (N26.670° E127.866°) is located on a nearly flat plateau to the north of Sesoko Island and the west of Toguchi Port. The water depth is 40 m.

Acoustic Recorders

AUSOMS-mini stereo recorders (AquaSound, Kobe, Japan) were used to collect underwater sounds. From May 2017 to July 2018, six AUSOMS-mini recorders were used: 14-0106, 14-0107, 15-0106, 15-0107, 15-0109, 15-0110.

Configuration of Audio Recording

(1) Duty Cycle: continuous. (2) Sampling Rate: 44.1kHz. (3) Channels: 2. (4) File Format: MP3 (128 kbps). (5) Audio Gain: High. (6) High Pass Filter: Off.

Field Deployment

At each recording site, one AUSOMS-mini stereo recorder was fixed to a cement

Social

Twitter

Facebook

License

CC-BY 4.0 OPEN DATA

Cite as Beta

American Psych…

Tzu-Hao Lin, Tomonari Akamatsu, Frederic Sinniger, Saki Harii. (2021). *Coral Reef Soundscapes off Sesoko Island, Okinawa, Japan* (Version 2021-01-09T09:11:31.023608) [Data set]. Retrieved from https://data.depositar.io/en/dataset/coral-reef-sesoko

Cut to clipboard

Deployment and recovery of recorders were conducted by divers.

Data Processing

Audio recordings generated by AUSOMS-mini recorders were saved in MP3 format. Each MP3 is about 8-hour long and do not have a time stamp on the file name. To facilitate data management, we segmented the 8-hour long MP3 into WAV files of 5-min duration.

We used the LTSA_gui to generate long-term spectrograms (LTS) and save the LTS in mat files. Each mat file contains median-based LTS and mean-based LTS. Median-based LTS was obtained by measuring median power spectral densities within each 5-min segment. Mean-based LTS was obtained by measuring mean power spectral densities within each 5-min segment.

Associated Publication

Tzu-Hao Lin, Tomonari Akamatsu, Frederic Sinniger, Saki Harii (2020) Exploring coral reef biodiversity via underwater soundscapes. Biological Conservation, 253: 108901.

Data and Resources

Audio data — Explore

A link to a shared Drive folder of underwater recordings (WAV) and long-term...

Long-term spectrogram of Site A — Explore

A mat file contains the median- and mean-based long-term spectrograms.

Long-term spectrogram of Site B — Explore

A mat file contains the median- and mean-based long-term spectrograms.

Long-term spectrogram of Site C — Explore

A mat file contains the median- and mean-based long-term spectrograms.

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

Other Access

The information on this page (the dataset metadata) is also available in these formats:

</>JSON-API

RDF serializations based on DCAT 2: Beta

</>JSON-LD | </>Turtle | </>XML

via the CKAN API

Tags

Acoustic diversity | Acoustic habitat | Coral reef | Mesophotic corals | Noise | Ocean sound | Remote sensing | Underwater soundscape

Wikidata Keywords

soundscape | coral reef

Basic Information

Data Type	• Source code • Audiovisual data • Scientific and statistical data formats
Language	English (eng)

Spatio-temporal Information

Temporal Resolution	Daily
Start Time	2017-05
End Time	2018-07
Spatial Coverage	show more
X.min	127.8553390572779
X.max	127.88097380893306
Y.min	26.630362980584657
Y.max	26.68047930832328

Management Information

Author	Tzu-Hao Lin, Tomonari Akamatsu, Frederic Sinniger, Saki Harii
Contact Person	Tzu-Hao Lin

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

其他存取方式

此頁面上的資訊 (資料集之後設資料) 也提供以下格式：

</>JSON-API

RDF 串列化輸出 (修改自 DCAT 2)： Beta

</>JSON-LD | </>Turtle | </>XML

經由 CKAN API

標籤

Acoustic diversity | Acoustic habitat | Coral reef | Mesophotic corals | Noise | Ocean sound | Remote sensing | Underwater soundscape

Wikidata 關鍵字

聲景 | 珊瑚礁

基本資訊

資料類型	• 原始碼 • 影音資料 • 科學與統計資料
語言	英文 (eng)

時空資訊

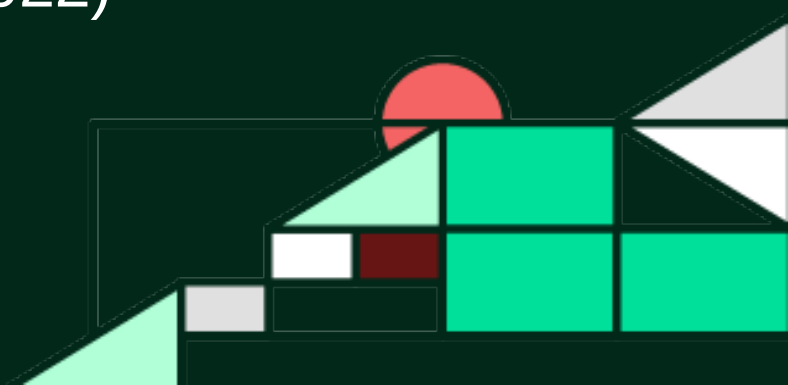
時間解析度	日
起始時間	2017-05
結束時間	2018-07
空間範圍	顯示更多
空間範圍.X.min	127.8553390572779
空間範圍.X.max	127.88097380893306
空間範圍.Y.min	26.630362980584657
空間範圍.Y.max	26.68047930832328

管理資訊

產製者	Tzu-Hao Lin, Tomonari Akamatsu, Frederic Sinniger, Saki Harii
聯絡人	Tzu-Hao Lin

Updates on *depositar* (since 2018)

- Google Dataset Search
  - We didn’t do anything special; “it just happened”
- User Communities
  - Researchers, citizen groups, and gov. agencies
- Terms of Use; Privacy Policy
- Doing more on Research Data Management outreach
  - RDM Workshops (2018 and 2021) and Website
  - MOST three-year grant (2019 – 2022)
- @_depositar – we are on twitter!



Biological Conservation 253 (2021) 108901

Contents lists available at ScienceDirect

Biological Conservation

journal homepage: www.elsevier.com/locate/biocon

Exploring coral reef biodiversity via underwater soundscapes

Tzu-Hao Lin [a,*], Tomonari Akamatsu [b,**], Frederic Sinniger [c], Saki Harii [c]

[a] Biodiversity Research Center, Academia Sinica, Taiwan
[b] The Ocean Policy Research Institute, The Sasakawa Peace Foundation, Japan
[c] Tropical Biosphere Research Center, University of Ryukyus, Japan

ARTICLE INFO

Keywords:
Ocean sound
Mesophotic corals
Remote sensing
Noise
Acoustic habitat
Acoustic diversity

ABSTRACT

Information on biodiversity is essential to evaluate the ecological status of coral reefs. Sounds produced by reef-associated organisms have been used as a biodiversity indicator. However, the interference from abiotic sounds and the lack of a comprehensive audio library have impeded effective evaluation. This study investigated the application of underwater soundscapes as a remote-sensing method to detect biological and anthropogenic activities. Using techniques including the visualization of long-duration recordings, source separation, and clustering, soundscapes were separated into sounds of anthropogenic and biological sources. Our results revealed the dynamics of biological sounds among coral reefs off Sesoko Island, Okinawa, Japan. Biological sounds were much more prominent in shallow-water reefs than in upper-mesophotic reefs, but their spectral features and compositions differed. The shallow-water reefs were dominated by broadband sounds of crustaceans and low-frequency transient fish calls, whereas the upper-mesophotic reefs were characterized by a diverse array of fish choruses and transient sounds. We also discovered that shipping noise heavily interfered with the soundscapes from the upper-mesophotic reefs and represented an invisible threat to life in the low-light habitat. The applied techniques of soundscape information retrieval revealed the distinct ecological status of coral reefs and the behavior change of sound-producing organisms in high temporal resolution. Implementation of soundscape monitoring can generate ecological information on habitat quality, reef biodiversity, human activities, and their interactions. Global collaboration on underwater soundscapes will establish a data-informed platform and help stakeholders assess the resilience of coral reefs to environmental and anthropogenic stressors.

1. Introduction

Marine ecosystems provide irreplaceable services and currently face significant pressures due to climate change, human disturbance, and excessive use of marine resources. The United Nations has recognized these threats and placed the conservation of marine ecosystems as one of its sustainable development goals (UN General Assembly, 2015). Coral reefs support various social and economic activities, such as fisheries, coastal protection, and tourism, of many maritime tropical and subtropical nations (Moberg and Folke, 1999; Barbier, 2017; Spalding et al., 2017; Woodhead et al., 2019). These benefits rely on the abundant biodiversity in coral reefs. However, coral reefs have undergone recurrent high-frequency bleaching episodes over the past 20 years due to increased sea surface temperatures (Hughes et al., 2017, 2018). Therefore, detailed information on the spatiotemporal changing patterns of marine biodiversity and interactions with human activities is crucial for the conservation management of coral reefs.

Biodiversity monitoring in coral reefs remains challenging, partially due to the distinct reef environments and their unique fish assemblages (Pearman et al., 2018; Dumalagan et al., 2019). A comprehensive and long-term assessment of reef biodiversity, environmental characteristics, and human activities may not be feasible because of limited resources for observation and survey opportunities, especially for developing regions or remote reefs. An underwater sensing system capable of monitoring the changing patterns of marine biodiversity, with the ability to diagnose potential risks due to environmental and anthropogenic stressors, is required for establishing management strategies of coral reefs and for providing alerts to the early-warning signs of ecosystem changes (Schmeller et al., 2017; Obura et al., 2019).

A potential solution for such an underwater sensing platform is through monitoring ocean sounds. One autonomous recorder can store long-duration audio recordings, with improved time resolution of

* Correspondence to: T.-H. Lin, Biodiversity Research Center, Academia Sinica, 128 Academia Road, Sec. 2, Nankang, Taipei 11529, Taiwan.
** Correspondence to: T. Akamatsu, The Ocean Policy Research Institute, The Sasakawa Peace Foundation, 1-15-16 Toranomon, Minato, Tokyo 105-8524, Japan.
E-mail addresses: lintzuhao@gate.sinica.edu.tw (T.-H. Lin), akamatsu.tom@gmail.com (T. Akamatsu).

https://doi.org/10.1016/j.biocon.2020.108901
Received 18 June 2020; Received in revised form 23 November 2020; Accepted 27 November 2020
Available online 10 December 2020

With the recent development of underwater technology and audio information retrieval techniques, a soundscape monitoring network can generate numerous acoustic data that contain ecological information in multiple dimensions, including the quality of the acoustic habitat, community of sound-producing organisms, and potential effects due to human activities. The generated information will allow managers and stakeholders to conduct a more comprehensive assessment of ecosystem health at scale.

fore, an underwater soundscape monitoring network would enable the integration of noise management into spatiotemporal planning and risk assessment of ecosystem-level consequences.

Data availability

The audio dataset used in preparing this paper are available from the corresponding authors on reasonable request. A dataset of the LTS is available on depositar (https://data.depositar.io/en/dataset/coral-reef-sesoko).

CRediT authorship contribution statement

Tzu-Hao Lin: Conceptualization, Methodology, Software, Validation, Data curation, Formal analysis, Resources, Writing – original draft. **Tomonari Akamatsu**: Conceptualization, Methodology, Resources, Data curation, Writing – reviewing and editing, Funding acquisition. **Frederic Sinniger**: Conceptualization, Visualization, Investigation, Data curation, Writing – reviewing and editing. **Saki Harii**: Conceptualization, Investigation, Writing – reviewing and editing, Funding

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Followers

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Project Website The ocean is full of sounds that are generated from geophysical events, marine animals, and human activities. By using a hydrophone (a microphone for underwater... read more

Dataset | Topics | Activity Stream | History

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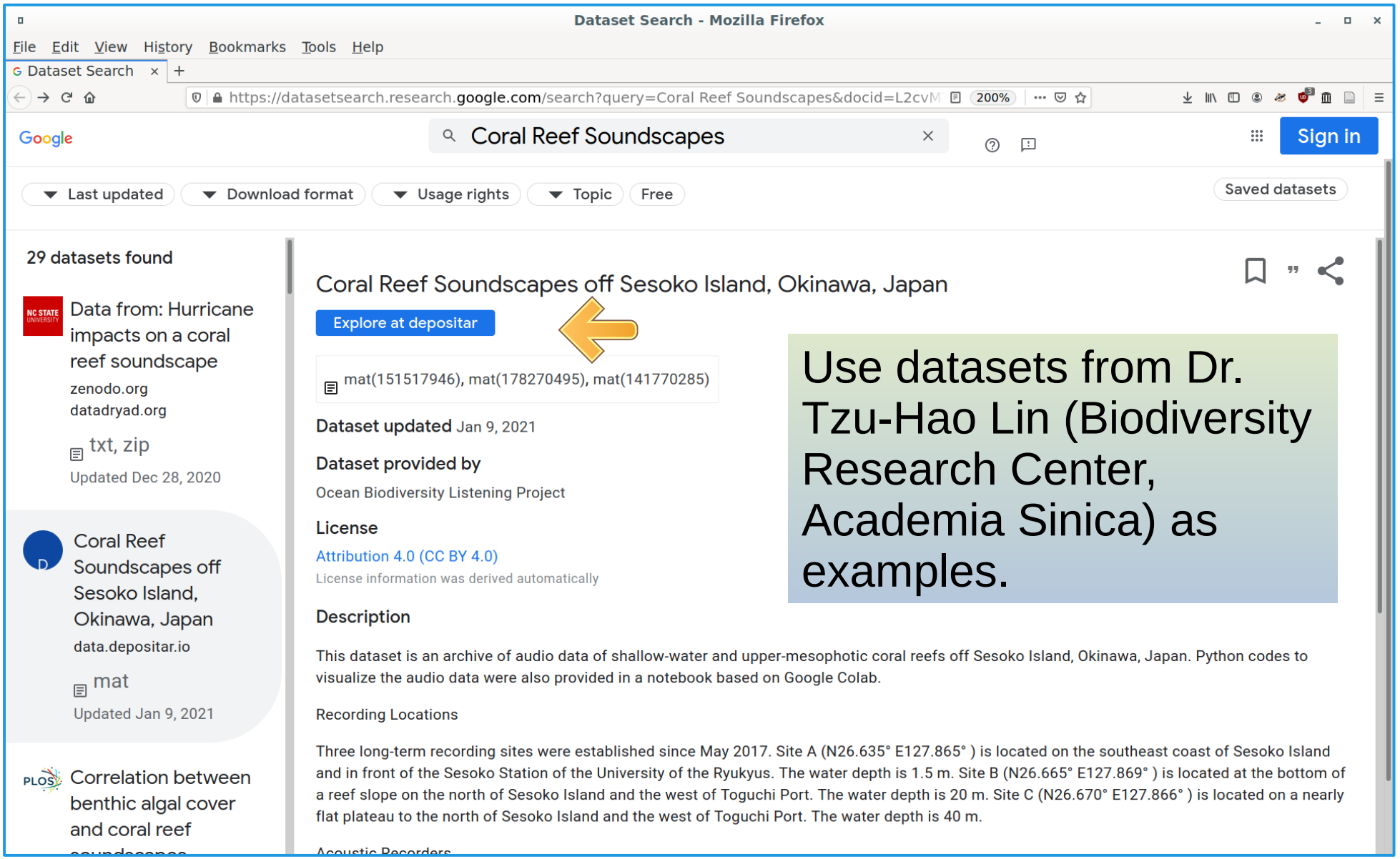
At each recording site, one AUSOMS-mini stereo recorder was fixed to a cement

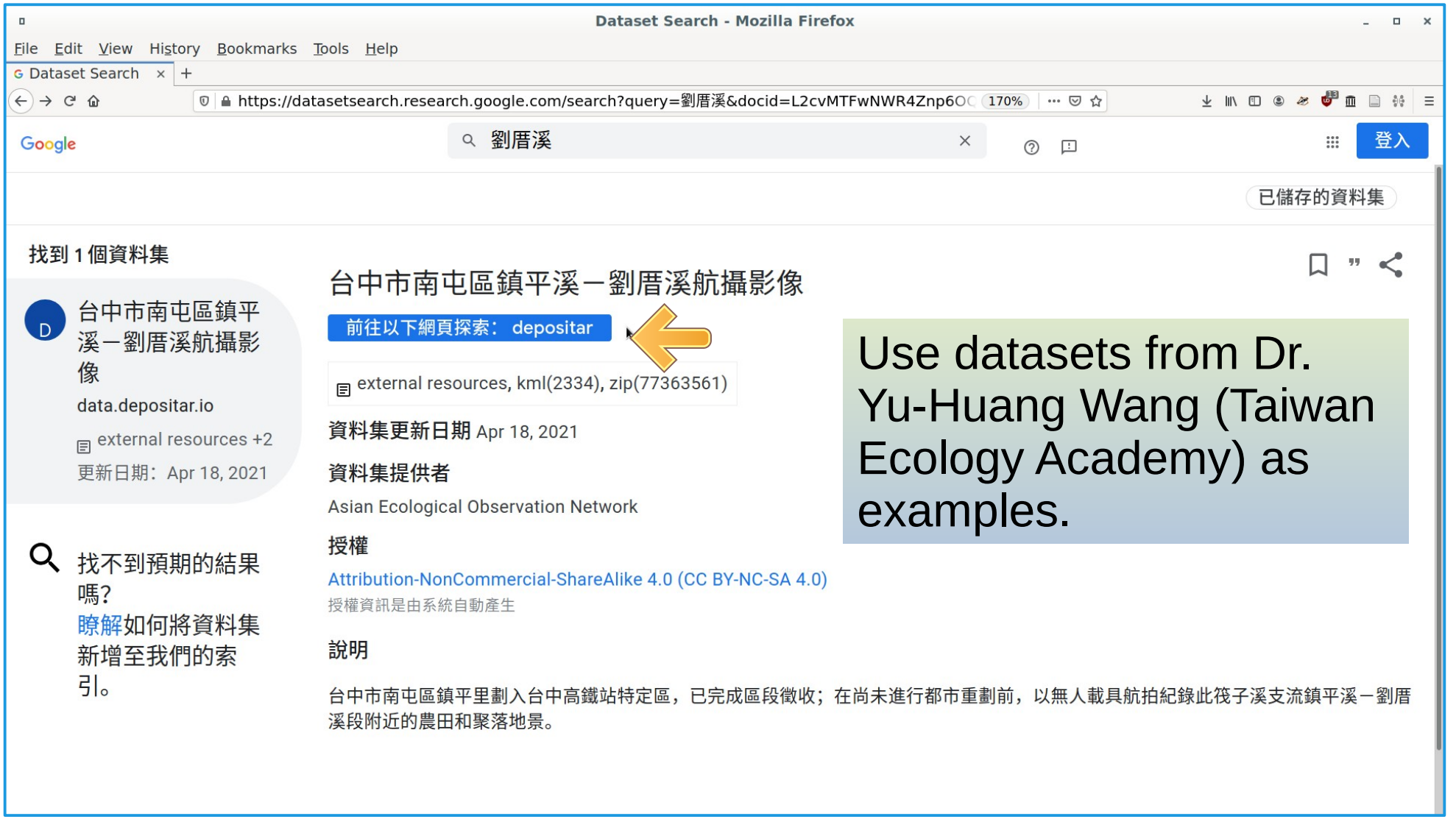
Data Discovery via Google Dataset Search

https://datasetsearch.research.google.com/search?query=Coral Reef Soundscapes



More Google Dataset Search

https://datasetsearch.research.google.com/search?query=劉厝溪



https://data.depositar.io/dataset/6ac93

資料與資源

航拍規劃中心線

規劃航線中心線KML檔

探索

OAM正射影像連結 (Link to OpenAerialMap)

發布於OAM的正射影像連結 (Link to accessing the ortho-mosaics published on the...

探索

2021-04-13 正射影像Google圖磚 (Google Earth tiles)

Google圖磚壓縮檔。解壓縮後，點選開啟資料夾中的kml檔，即可使用Google Earth...

探索

2021-04-13 台中市南屯區鎮平溪－劉厝溪航攝影像

中央研究院網格計算中心WebODM計算成果下載連結；建議使用Firefox瀏覽器開啟連結，瀏覽影像2D、3D影像資料。

探索

空中360影像

空中360影像Google Street View連結。

探索

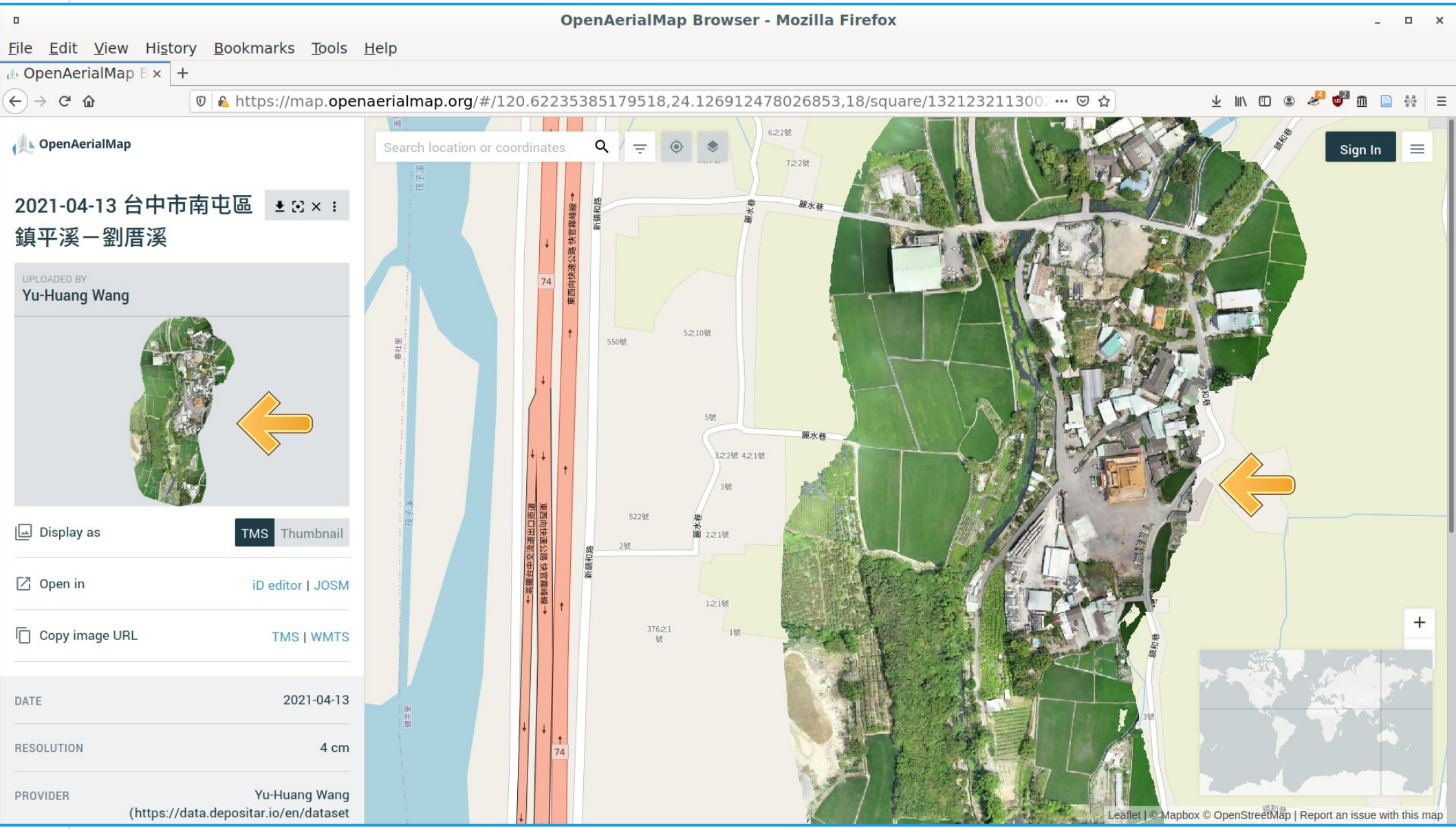
標籤

南屯區　台中市　地景變遷　筏子溪　都市重劃

Wikidata 關鍵字

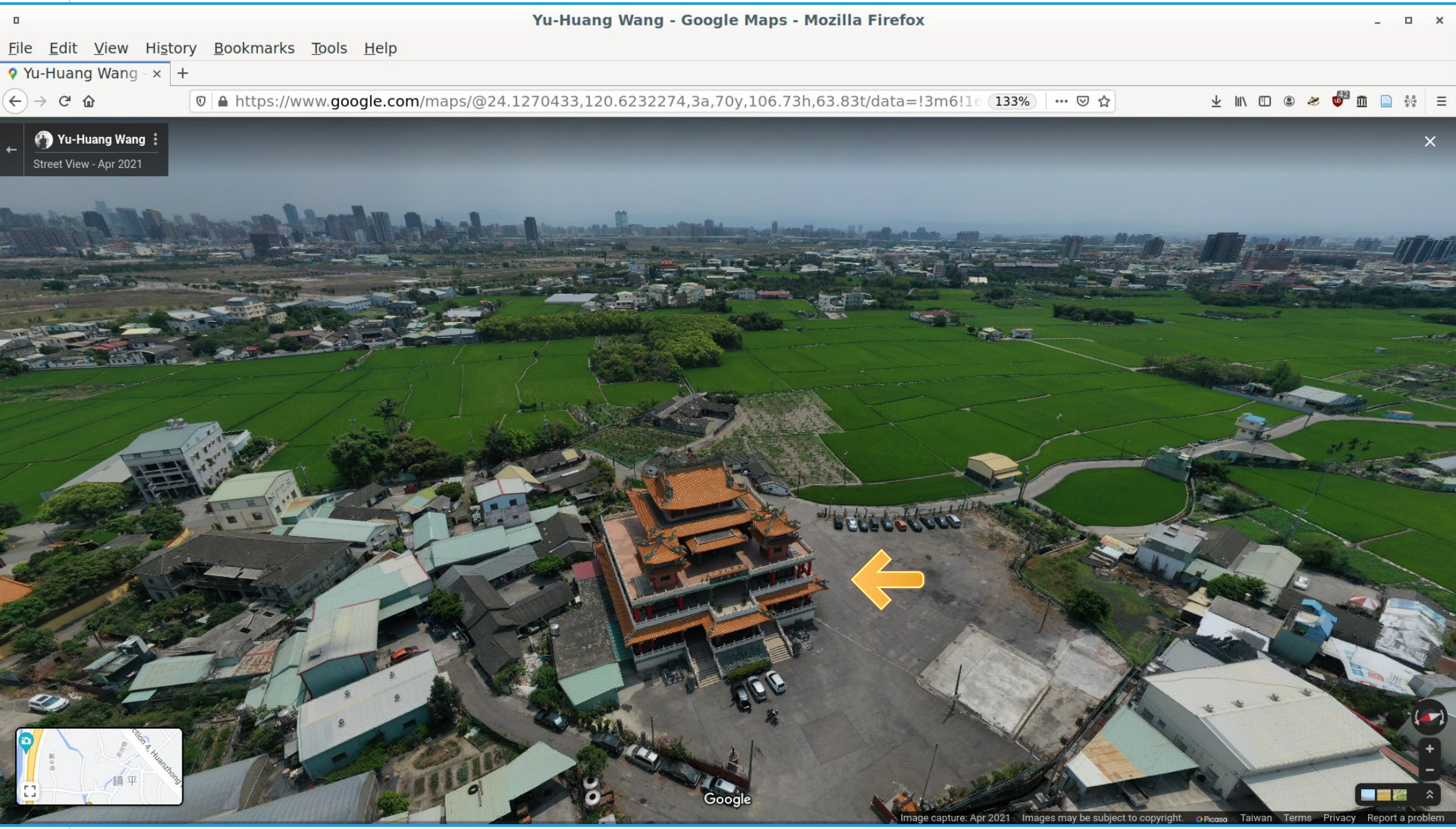
正射影像　riverscape　筏子溪　光球　南屯區　無人航空載具　臺中市

Orthophotos (links to Open Aerial Map)



https://map.openaerialmap.org/#/120.62299489974974,24.127955278046894,15/square/13212321130023323/607c4f45bfb5350008e665a2

360° Panoramas (links to Google Street View)



https://goo.gl/maps/zZZwQ3PkstQzrXYN7

2021 研究資料管理工作坊

Research Data Management Workshop 2021

首頁 議程 講者 活動須知 報名

2021 / 10 / 07　09:30 – 18:00

全線上會議

線上報名

關於

活動訊息：

本活動配合台灣疫情的變化，及國內大專院校的開學時間，將工作坊日期調整為至 10 / 7 舉辦，改全**線上模式**，因與原先規劃舉辦日期間隔已久，如欲參加需重新報名，造成不便敬請見諒。－　20210901

「2021 研究資料管理工作坊」將於 10 月 7 日以**全線上模式進行**。舉辦工作坊的目的在於提供一個場合，促進研究者關注討論研究資料的管理議題，希望借此機會讓不同學科領域的研究者，就研究資料管理相關的原則、實踐、及觀點進行交流。

無論是個人獨立研究、小型研究計畫、大型研究團隊、或是跨領域跨機構的長期研究合作，在研究過程中必定蒐集生產樣態眾多、數量龐大的研究資料，這些資料的有效管理以及長期使用，已成為國際研究社群極度關注的議題。各國的科學研究機構，因此對於其所出資補助的專題研究計畫，也逐漸要求在計畫提出的時候，需有資料管理方案 (Data Management Plan, DMP)。而計畫執行期間的研究資料管理，以及過程中所產生資料的審慎保存與日後取用，也成為研究人員必須面對的議題。

根據英國數位策展中心（Digital Curation Centre）對於研究資料管理的說明，研究資料的管理或生命週期，共會經歷「資料管理規劃」、「管理活躍資料」、「資料選取與提交」、「資料寄存」、「資料目錄」等環節；在各環節外，尚需有「研究資料管理政策與策略」和「經營規劃與可永續性」，以及相關的「指引、訓練、與支持」等作為輔助。

此次工作坊規劃了多場議程。其中**第一階段為「生物多樣性及生態環境研究資料管理」，第二階段為「多面向的研究資料管理」，第三階段為「氣候、海洋、空氣品質研究資料管理」**。希望呈現並討論研究工作中遇到的資料管理規劃、最佳實踐、以及資料共享使用所面臨的種種議題。

第四階段為「研究資料管理經驗分享」，除了探討研究資料管理的國際趨勢、基礎概念、資料寄存服務外，亦邀請科技部永續學門多項整合型計畫的研究團隊，分享資料管理方案 (DMP) 的執行經驗，並進行討論。**第五階段為「個人資料處理及研究資料管理」**，將就敏感性資料的管理實務進行探討。

這項活動由中研院資訊科學研究所、資訊科技創新研究中心、人文社會科學研究中心地理資訊科學研究專題中心、科技部及 CODATA Taiwan 合辦，由研究資料寄存所籌辦。

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2021 研究資料管理工作坊

Research Data Management Workshop 2021

首頁 議程 講者 活動須知 報名

2021 / 10 / 07　09:30 – 18:00

全線上會議

線上報名

活動議程

時間	議程	主題	講者
09：30 - 09：50		報　到	
09：50 - 10：00		歡迎致詞	李德財　院士
10：00 - 11：30	**議題一：生物多樣性及生態環境研究資料管理** 主持人：莊庭瑞 (中央研究院資訊科學研究所)	讓資料的價值被看見能否鼓勵資料的管理與開放？（以台灣生物多樣性網絡的經驗為例）	柯智仁　(行政院農業委員會特有生物研究保育中心)
		資料管理是否能有 SOP ─ TaiBIF 資料庫管理者的視角	劉璟儀　(中央研究院生物多樣性研究中心)
		建立資料管理與開放為基礎的政府資訊公開和公民參與 ─ 以公共工程生態檢核為例	王豫煌　(台灣石虎保育協會 / 台灣生態學會)
11：30 - 11：45		休　息	
11：45 - 12：30	**議題二：多面向的研究資料管理** 主持人：莊庭瑞 (中央研究院資訊科學研究所)	從東南亞蝙蝠研究探討跨國生物多樣性資訊管理	黃俊嘉　(Southeast Asian Bat Conservation and Research Unit)
		科技部永續學門資料管理方案 (Data Management Plan) 試辦計畫	李明旭　(國立中央大學水文與海洋科學研究所)
		To Be Announced	賴國峰　(前 CCC 編輯部)
12：30 - 13：30		午　餐　｜　BoF	
13：30 - 15：00	**議題三：氣候、海洋、空氣品質研究資料管理** 主持人：李明旭 (國立中央大學水文與海洋科學研究所)	以氣候變遷資料服務為導向的資料管理計畫	劉子明　(國家災害防救科技中心)
		不只是資料：架構客製化的海洋科學資訊服務	翁其羽　(國立臺灣大學海洋研究所)
		AirBox 資料管理的演進與秘辛	陳伶志　(中央研究院資訊科學研究所)
15：00 - 15：15		休　息	
15：15 - 16：45	**議題四：研究資料管理經驗分享** 主持人：鄭瑋 (國立台灣大學圖書資訊學系)	研究團隊經驗分享（科技部永續學門專題計畫）	黃鈺芳　(計畫名稱：個人保養產品之抗紫外線成份環境荷爾蒙暴露、健康風險與管理策略研究) 連宛渝、林秉毅　(計畫名稱：整合永續發展目標之生態系統服務與土地治理：以濁水溪流域為例) 周子琳　(計畫名稱：台灣氣候智慧調適與跨領域氣候風險評估之研究)
		研究資料管理概論	王家薰　(中央研究院資訊科學研究所)
		研究資料管理國際趨勢	何明諠　(中央研究院資訊科技創新研究中心)
		開放的研究資料寄存庫	李承鑫　(中央研究院資訊科學研究所)
		綜合討論	
16：45 - 17：00		休　息	
17：00 - 18：00	**議題五：個人資料處理與研究資料管理** 主持人：王柏堯 (中央研究院資訊科學研究所)	To Be Announced	邱文聰　(中央研究院法律學研究所)
		To Be Announced	吳全峰　(中央研究院法律學研究所)
		綜合討論	

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2018 研究資料管理工作坊

Research Data Management Workshop

首頁 關於 議程 講者 地點 報名

2018 / 12 / 13　09:00 - 15:30

中央研究院 資訊科學研究所 106 會議室

線上報名

議程

時間	議程	主題	講者
09：00 - 09：20		報　到	
09：20 - 09：30		歡迎致詞	王大為（中研院資訊科學研究所）
09：30 - 09：45		國際資訊科學學院中與研究資料相關之教學及研究現況	林奇秀、鄭瑋（台灣大學圖書資訊學系）
09：45 - 10：45	**議題一：研究計畫與研究資料管理** 主持人：王大為（中研院資訊科學研究所）	生態觀測資料的管理與共享：以無人載具和生態檢核計畫資料為例 Video Slide	王豫煌（台灣生態學會）
		野生生物時空分布調查資料的管理與開放 Video Slide	柯智仁（農委會特有生物研究保育中心）
		以研究資料管理流程推動全球生物多樣性資訊學展望的一個觀點 Video Slide	柯智仁（中研院生物多樣性研究中心）
		分散式雲端基礎架構與 e-Science Video Slide	嚴漢偉（中研院資訊科技創新研究中心）
10：45 - 11：00		茶　點	
11：00 - 11：15		貝蒙論壇研究行動方案計畫 Video Slide	林財富（成功大學環境工程學系）
11：15 - 12：30	**議題二：研究資料庫與研究資料寄存** 主持人：陳舜伶（中研院法律學研究所）	海洋學門資料庫發展線上應用服務的實戰經驗分享 Video Slide	邱銘達（台灣大學海洋研究所）
		推動調查資料保存與開放的執行成效——以科技部人文司專題研究計畫為例 Video Slide	王文心（中研院人社中心調查研究專題中心）
		基於文史 GIS 研究資料之網路基礎設施 Video Slide	廖泫銘（中研院人社中心地理資訊科學研究專題中心）
		小學堂文字學資料庫的資料管理與開放 Video Slide	莊德明（中研院歷史語言研究所）
		人類基因資料的開放與管理 Video Slide	何之行（中研院歐美研究所）
		開放的研究資料寄存服務 Video Slide	莊庭瑞（中研院資訊科學研究所）
12：30 - 13：30		午　餐	
13：30 - 15：30	**CKAN 同好會** （技術交流）	討論範圍包括但不限於下列議題： 一、使用者介面與體驗 (UI/UX) 二、擴充套件 (各式資料預覽、個案展示、後設資料等) 三、內容管理系統 (CMS) 整合 四、部署環境設定與維護 五、互操作 (與其他平台交換資料) 六、如何推廣 CKAN (中文文件翻譯等) Slide	李承鑫（中研院資訊科技創新研究中心） 王家薰（中研院資訊科學研究所）

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資源 實踐 消息 關於

國際合用的研究資料管理實用指南－增訂版

"Practical Guide to The International Alignment of Research Data Management -- Extended Edition" 已翻譯為台灣華語版本。

撰寫資料管理方案（DMP）

資料管理方案（Data Management Plan, DMP）是一份描述研究資料將如何被蒐集、使用、管理、（短期或長期）保存、分享等歷程的文件。DMP 時常是研究團隊在資料管理上的第一步。

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挑選可信賴的資料儲存庫

研究人員需能分辨可信賴的資料儲存庫，以便妥善儲存和共享資料。對於研究人員及其機構、資助機構而言，識別合適的資料儲存庫會是一項富有挑戰的任務。

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生態環境運動者的資料管理：專訪王豫煌博士

8 月 20 2021

By 何明諠

「這週遭是台中市南屯區目前僅存的都市農田，但是已被重劃為高鐵台中車站門戶特定區，也都已經完成區段徵收了。」2021 年 4 月 13 日，王豫煌頂著烈日，設置他的無人機設備。那裡是距台中高鐵烏日站約十分鐘車程的地方，以天順宮為中心，時值春夏交際，環顧四周，所見多是農村聚落與綠色稻田；然而若再往外延伸，景色隨即劇烈轉變：一片片閒置、荒廢的空地，空地上則插了許多建商的大型廣告看板。

相關資料集

台中市南屯區鎮平溪－劉厝溪航攝影像

https://data.depositar.io/zh_TW/dataset/6ac93

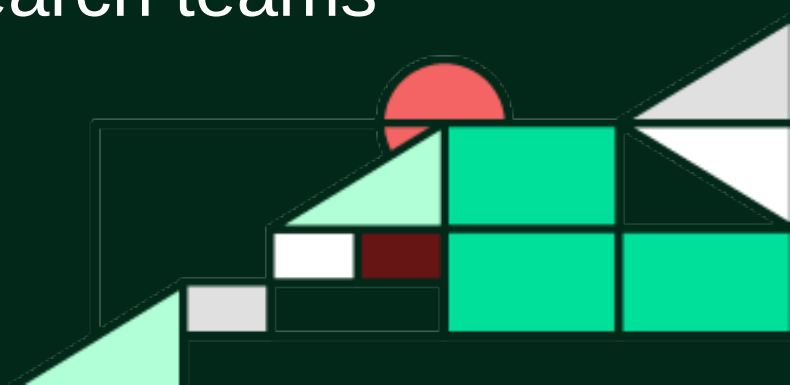
台中市南屯區鎮平里劃入台中高鐵站特定區，已完成區段徵收；在尚未進行都市重劃前，以無人載具航拍紀錄此筏子溪支流鎮平溪－劉厝溪段附近的農田和聚落地景。

DATASET EXTENT

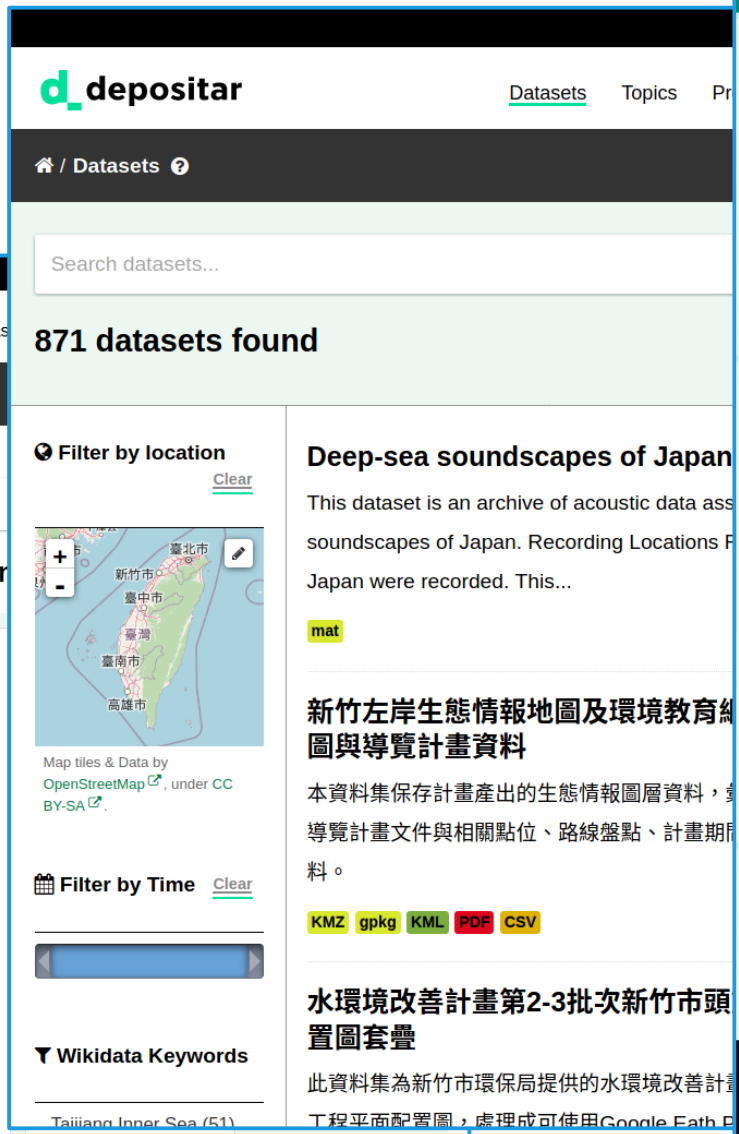
https://data.depositar.io/dataset/se_rdm_guides

Work in Progress

- Archival Resource Keys (ARKs)
- New “front-end” for the *depositar*
- Handling large collections of media files
- Web archiving and more
- Doing more on Research Data Management
  - put RDM (plans) into good practices
  - connect to collaborative research teams



https://data.depositar.io/



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Thank You!

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The *depositar* is a collaboration at the Institute of Information Science, the Research Center for Information Technology Innovation, and the Research Center for Humanities and Social Sciences (GIS Center) in Academia Sinica, Taiwan. The project has been supported, in part, by grants from Taiwan's Ministry of Science and Technology.

「研究資料寄存所」是中央研究院資訊科學研究所、資訊科技創新研究中心、人文社會科學研究中心（地理資訊科學研究專題中心）的協作專案，部份經費來自台灣科技部的專題研究計畫。