

Plan Overview

A Data Management Plan created using DMP Tool

DMP ID: <https://doi.org/10.48321/D14548e4b3>

Title: Strawberry Hermit Crabs

Creator: Eva Gibbs-zehnder - **ORCID:** [0009-0004-1810-1755](https://orcid.org/0009-0004-1810-1755)

Affiliation: University of California, Berkeley (UCB) (berkeley.edu)

Data Manager: Melissa Murphy, Marcella Welter, Kat Osborn

Funder: Tetiaroa Society

Template: Tetiaroa Field Station

Project abstract:

The Strawberry Hermit Crab experiment is useful to understand more about the repercussions of nutrient depletion on atolls with invasive species- particularly Tiaraunu and Tahuna Iti. With the understanding of the crab species' eating habits, we can determine how nutrients are cycling within a certain area. However, the study was inconclusive and did not convey a significant preference for nutrient rich leaves.

Start date: 01-21-2024

End date: 01-29-2024

Last modified: 07-08-2024

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customize it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

Strawberry Hermit Crabs

Methodology

How will data be collected or produced?

<https://www.protocols.io/view/strawberry-hermit-crabs-dahm2b46>

Access, Data Sharing and Reuse

Will you require an embargo period prior to making your prepublication data available? If requested, an embargo period may be granted for up to [1 year] after the end date of the Project as specified in its Data Management Plan.

- No

Do you agree to share all prepublication data contributed to the Tetiaroa Data Trust under the CC-0 license?

- No

Will your project include the collection of material samples? For example, archeological, geochemical (geosamples), and biological (biosamples) materials.

- Yes

Please describe standards you will utilize to register sampling events, apply unique identifiers, implement relevant metadata standards, and track derived material samples, data, and outputs.

What are the further intended and/or foreseeable research uses for the completed dataset(s)?

Sequencing and Nutrient Analysis

State any expected difficulties in data sharing, along with causes and possible measures to overcome these difficulties.

Question not answered.

Documentation and Metadata

What documentation and metadata will accompany the data?

We documented Hermit Crab ID, Behaviour, Leaf Origin, Size

Ethics and Intellectual Property

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues? Demonstrate that you have sought advice on and addressed all copyright and rights management issues that

apply to the resource.

Question not answered.

How will you handle sensitive data. Make explicit mention of consent, confidentiality, anonymization and other ethical considerations, where appropriate.

Question not answered.

Are any restrictions on data sharing required – for example to safeguard research participants or to gain appropriate intellectual property protection?

Question not answered.

Describe restrictions on data sharing required due to privacy or IP protection.

Question not answered.

Short-Term Storage, Security, and Data Management

Describe the planned quality assurance and back-up procedures, including security/storage and any use of encryption.

The data transcribed into 20 notebooks that may be digitized in the future.

How will you manage access and security?

We will have cobra snakes guarding the books

Specify the responsibilities for data management and curation within research teams participating in your project at all participating institutions.

Question not answered.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

Hermit Crab Preference of Nutrient Accessibility

What is the long-term preservation plan for the dataset?

Potential Digitization

Planned Research Outputs

Dataset - "Strawberry Hermit Crab Pisonia Leaf Preference"

The Strawberry Hermit Crab experiment is useful to understand more about the repercussions of nutrient depletion on atolls with invasive species- particularly Tiaraunu and Tahuna Iti. With the understanding of the crab species' eating habits, we can determine how nutrients are cycling within a certain area. However, the study was inconclusive and did not convey a significant preference for nutrient rich leaves.

Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Strawberry Hermit Crab Pisonia Leaf Preference	Dataset	2024-03-11	Open	None specified		Creative Commons Attribution 4.0 International	None specified	No	No