

## Research Data Management Plan

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### Survey and biomass analysis of Rottneest Island marine life

Principal Investigator	Matthias Liffers
Data Management Plan Created by	Matthias Liffers
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Faculty	Science and Engineering

## 1 Research Project Details

### 1.1 Research Project Title

Survey and biomass analysis of Rottneest Island marine life

### 1.2 Research Project Summary

Simply copy a description from your proposal or ethics application.

### 1.3 Keywords

fish, biodiversity, tropical, marine

## 2 Research Project Data Details

### 2.1 Summary of the Research Project Data

This project involves the following data:

1. 50 physical datasheet records of underwater transect surveys
2. One digital record of transcribed survey data
3. Appr. 60 digital photographs of unidentified or ambiguous species taken by Canon PowerShot S100 cameras
4. One digital survey analysis file.

### 2.2 Summary of any Ethical, Confidentiality or Privacy Considerations

This project gathers observational data of marine vertebrates and has received Animal Ethics Committee approval (reference number 123456).

The data are not confidential and not subject to any privacy concerns.

### 2.3 Description of Research Project Data Organisation and Structure

Physical data sheets will be sorted by date in a single folder.

Digital records will be organised in a simple hierarchical structure e.g.

- Data
  - Survey
  - Photos

The photos will be named according to the partial species ID, survey number, date and time the photo was taken e.g.

Chromodoris\_S1\_20140306\_1157.jpg

The survey analysis file will be worked on and updated regularly. Weekly snapshots of the data file will be made, and each snapshot will be date stamped for easy identification e.g.

analysis\_file\_20140501.xlsx

### 3 Research Project Data Storage, Retention and Dissemination Details

#### 3.1 Research Project Data Storage Arrangements

For the duration of the project, the physical data sheets will be stored in a filing cabinet in the principal investigator's office. Upon completion, the principal investigator will work with central Records and Information Management to find a suitable long-term storage location.

When in the field, data will be stored on the principal investigator's laptop and backed up to an external USB hard drive on a nightly basis.

Upon return to Curtin University, all digital data will be transferred to Curtin's R Drive.

#### 3.2 Research Project Data Storage Volume

Physical data: One folder.

Digital data: During the project, at least 1.2GB of data storage will be required. After the project is finished, the RAW photos will be deleted and only 200MB will be needed.

#### 3.3 Research Project Data Safeguarding Measures

In the field, redundant copies of data will be kept on a password-protected laptop and a USB hard drive. Backups will be performed on a nightly basis after the data are transcribed from the physical datasheets.

When the field survey is complete, the data will be transferred to the Curtin R drive, which is set up according to standard Curtin Information Technology Services security and safeguarding protocols.

Weekly snapshots of the survey data analysis file will be made and stored on the R drive.

#### 3.4 Research Project Data Retention Requirement

7 years (All other research with outcomes that are classed as Minor)

#### 3.5 Research Project Data Collaboration

This project is in collaboration with the Marine Studies Institute of Oceania and its Reef Survey Team. MSIO staff will be made Curtin University associates so that they have access to the Curtin R Drive.

##### Curtin Staff

Jane Bloggs (principal investigator)

Jim Cricket (research student)

##### MSIO Staff

John Ghoti

Kym Lee

#### 3.6 Research Project Data Dissemination

The data collection metadata will be published to Research Data Australia and be assigned a DOI. This DOI will be used to cite the data collection in any publications. The data collection will be made freely available online after the expiration of the embargo period.

Research will be shared under a CC BY AU 3.0 license, endorsed by AusGOAL.

#### 3.7 Research Project Data Embargo Period

The data will be embargoed from open sharing until the final publication of all journal articles associated with this research project, or a one year after the conclusion of the research project, whichever comes sooner.

Requests for data sharing that come before the end of the embargo period will be considered on a case-by-case basis by the principal investigator.