

Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed

1.1. Name of the Data, data collection Project, or data-producing Program:

Socioeconomic context for fisher-shark interactions in the Marianas

1.2. Summary description of the data:

This dataset includes qualitative interview data aggregated and entered into an excel csv file. We collected data primarily during two trips to Guam and the CNMI in September and November of 2019. Initial points of contact were identified through conversations with WPRFMC staff, and Guam and CNMI agencies and fishers with representation at WPRFMC meetings. These conversations aided the development of our interview guide and provided referrals to additional participants (as per the snowball sampling method). More than 100 fishers, managers, and researchers across Guam and the CNMI's Saipan, Tinian, and Rota were engaged through semi-structured interviews, fisher-organized meetings, and unstructured discussions in the field. We also conducted participant observations at multi-stakeholder meetings in Honolulu, Guam, and Saipan hosted by the WPRFMC and its Advisory Panels (AP) whenever possible. Data from interviews and participant observations were coded to track themes that emerged from the data. The coding scheme closely followed that of human dimensions research on fisher-shark interactions in the West Hawai'i region (Iwane 2019). This resulted in umbrella themes that housed participant commentary on dimensions of the fisher-shark interaction problem and its potential solutions. Other themes included participants' descriptions of sharks and shark interactions, perceptions of fisheries management and stakeholder engagement, and descriptions of power dynamics and knowledge types in fisheries. Finally, coding captured important contextual information about Marianas' fishing practices, cultures, economies, and participants' identities and fishing motives, which cannot be separated from participants' experiences in the Guam and CNMI communities.

1.3. Is this a one-time data collection, or an ongoing series of measurements?

One-time data collection

1.4. Actual or planned temporal coverage of the data:

2019 to 2020

1.5. Actual or planned geographic coverage of the data:

Mariana Archipelago

1.6. Type(s) of data:

(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)
Table (digital)

1.7. Data collection method(s):

(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)

2.1. Name:

Mia Iwane

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:

mia.iwane@noaa.gov

2.5. Phone number:

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

Mia Iwane

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

Yes

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):

Unknown

5. Data Lineage and Quality

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Lineage Statement:

This dataset includes qualitative interview data aggregated and entered into an excel csv file. We conducted semi-structured interviews and participant observation during fisher- and Council-organized meetings in September and November of 2019 with more than 100 fishers, managers, and researchers across Guam and the CNMI's Saipan, Tinian, and Rota. We used a mixture of key informant, purposive, and snowball sampling. Interviews were conducted in the English, the primary language of all interviewees. Interview transcripts were thematically coded in NVivo using a coding scheme similar to that of human dimensions research on fisher-shark interactions in the West Hawai'i region (Iwane 2019).

Process Steps:

- Data were coded into a coding structure that has 16 umbrella nodes, with up to four generations of child nodes.

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

No

6.1.1. If metadata are non-existent or non-compliant, please explain:

Missing/invalid information:

- 1.7. Data collection method(s)

- 5.2. Quality control procedures employed
- 7.4. Approximate delay between data collection and dissemination
- 8.3. Approximate delay between data collection and submission to an archive facility

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:**6.3. URL of metadata folder or data catalog, if known:**

<https://www.fisheries.noaa.gov/inport/item/65617>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NOAA Data Documentation Procedural Directive: https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

Yes

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?**7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:****7.2. Name of organization of facility providing data access:**

Pacific Islands Fisheries Science Center (PIFSC)

7.2.1. If data hosting service is needed, please indicate:**7.2.2. URL of data access service, if known:****7.3. Data access methods or services offered:**

contact Point of Contact or Data Steward

7.4. Approximate delay between data collection and dissemination:

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

TO_BE_DETERMINED

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):

Pacific Islands Fisheries Science Center - Honolulu, HI

Main Hawaiian Islands

8.3. Approximate delay between data collection and submission to an archive facility:

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

Data are currently stored on secured network drives at PIFSC, maintained by PIFSC IT services

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.