

## Plan Overview

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*A Data Management Plan created using DMP Tool*

**DMP ID:** <https://doi.org/10.48321/D1WM20>

**Title:** Project Indigo, a non-profit dedicated to empowering Pacific indigenous communities through innovative research, cultural heritage preservation, and economic development

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**Project Administrator:** Benjamin Garry Mitchell

**Funder:** University Impact

**Template:** Digital Curation Centre

### **Project abstract:**

Executive Summary: Project Indigo

Welcome to Project Indigo, a pioneering non-profit venture committed to empowering Pacific indigenous communities through transformative research experiences, innovation, and the preservation of cultural heritage.

Mission and Vision:

Project Indigo aims to drive economic development, safeguard cultural heritage, and foster sustainable innovation among Pacific indigenous communities. We aim to establish a "Pacific Innovation Ecosystem" (PIE), harmonizing tradition and progress for thriving communities.

Business Concept:

Our holistic approach integrates research, adaptive innovation, a global online presence, strategic collaborations, and a cutting-edge technology platform. Beyond Pacific indigenous communities, we engage a worldwide network, including philanthropists, investors, social entrepreneurs, and organizations invested in indigenous empowerment.

Competitive Advantage:

Project Indigo distinguishes itself with adaptive innovation, a robust online presence, global collaborations, and a B2B Tech platform empowering social entrepreneurs. A monetization strategy ensures sustainability and scalability, following a structured two-year timeline for impactful, long-term outcomes.

#### Financial Highlights:

Securing fiscal sponsorships exceeding \$73,000, we embark on qualitative exploratory research in indigenous communities, beginning with Yarrabah, Australia. This investment covers research expenses, establishes the foundation for our Tech platform, and forms crucial partnerships for growth.

#### Product/Service Offerings:

Initiatives span cultural heritage preservation, economic empowerment programs, innovation and technology solutions, a global engagement platform, and philanthropic impact initiatives. Emphasizing transparency, active engagement, global reach, technology-driven solutions, and collaborative network building.

#### Marketing and Sales Strategy:

Our messaging highlights impact, transparency, and global engagement by targeting individual philanthropists like Sarah Chang and supportive institutions. A robust online presence, diverse pricing strategy, content marketing, collaborative efforts, institutional networking, and email campaigns drive promotion.

#### Operational Plan:

Day-to-day operations involve meticulous project management, content creation, networking, tech platform maintenance, and consultancy services. The production process encompasses content creation, tech platform development, consultancy services, and project execution. Collaborating with suppliers, utilizing various facilities, and ensuring efficient operational processes are integral.

#### Management and Organization:

Led by a visionary Founder and Executive Director, our management team includes vital roles such as Project Manager, Content Director, Tech Lead, and Consultancy Manager. Our organizational structure is focused yet versatile, with dedicated teams for content creation, tech development, and consultancy services, all aligned under a structured leadership.

#### Financial Projections:

A steady annual increase of 10.5% reflects a positive trajectory for Project Indigo. Year 1 anticipates a profit of \$30,457.50, growing to \$34,115.10 in Year 2 and \$37,927.67 in Year 3. This approach signifies stability, growth, and sustained financial health.

#### Funding Requirements Plan:

To launch successfully, we seek fiscal sponsorships totaling \$25,000 and aim for seed funding of \$350,000 in Year 1. Additional donors and a 10.5% increase in seed funding contribute to sustained growth. These combined resources

create a robust financial foundation for Project Indigo's sustainable impact.

Incorporation into 501(c)(3):

Project Indigo is actively pursuing incorporation as an Australian-owned US 501(c)(3) non-profit organization, targeting completion by the last quarter of 2024 to the first quarter of 2025. This transition to independent nonprofit status aligns with our commitment to long-term sustainability, ensuring autonomy and increased avenues for funding.

Conclusion:

Our commitment to transparency, innovation, and collaboration positions us as a visionary force for positive change in the lives of Pacific indigenous communities.

#ProjectIndigo #EmpoweringCommunities

**Start date:** 06-08-2024

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# **Project Indigo, a non-profit dedicated to empowering Pacific indigenous communities through innovative research, cultural heritage preservation, and economic development**

## **Data Collection**

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### **What data will you collect or create?**

Data Management Plan for Project Indigo Research

Storage and Reuse of Materials:

**Storage Location:** All research materials, including interview recordings, transcripts, survey responses, and related documents, will be stored securely on password-protected computers. Access to these computers will be restricted to authorized research team members.

**Physical Documentation:** Any physical documents will be stored in locked filing cabinets at a secure and controlled location. These cabinets will be accessible only to authorized team members, ensuring the confidentiality of hard-copy materials.

**Reuse of Materials:** Materials will be reused solely for analysis, reporting, and academic publications related to Project Indigo. Any reuse beyond the project scope will require explicit consent from participants or adherence to ethical guidelines and legal requirements.

Access Management:

**During the Project:** Access to research materials will be limited to authorized team members directly involved in data analysis, interpretation, and report writing. Each team member will have a unique login for the computers storing the digital data, with access rights tailored to their role.

**After the Project:** Post-project, access to stored materials will be restricted to the principal investigator and designated personnel responsible for long-term data archiving. Passwords for digital storage and keys for physical filing cabinets will be securely managed and accessible only to authorized individuals.

**Data Management Plan:** A comprehensive data management plan will be developed using the DMPTool. This plan will outline detailed procedures for data collection, storage, sharing, and eventual disposal. The plan will conform to the requirements of section 3.1.45 of the National Statement and will be submitted as an attachment for REC review.

**Backup Procedures:** Regular backups of digital research materials will be conducted to prevent data loss. Backup files will be stored securely in a separate location to ensure redundancy in case of unforeseen events such as hardware failures or data corruption.

**Secure Data Transfer:** If data needs to be transferred between team members, secure methods such as encrypted emails or password-protected file-sharing platforms will be employed. This ensures the confidentiality and integrity of the information during transit.

**Disposal of Data:** After the project, data will be retained for the minimum period required for validation, verification, or follow-up inquiries. After this period, any physical or digital data that is no longer required will be securely and permanently deleted or destroyed.

**Ethical Considerations:** All data management procedures will align with ethical considerations to ensure participant confidentiality, privacy, and compliance with legal requirements. The research team is committed to upholding the highest integrity and respect for participants throughout the data management process.

### **How will the data be collected or created?**

Project Indigo will adopt a mixed-methods approach, akin to the successful research methodology employed to investigate the Pacific Innovation Ecosystem (PIE) and assess Fiji's development and sustainability. This approach combines quantitative analysis and ethnographic research, providing a holistic exploration tailored to the unique context of Yarrabah, Australia.

**Quantitative Research:** The quantitative phase will draw data from governmental reports, international databases, and scholarly articles, similar to the approach taken in the previous research on Fiji. To ensure a comprehensive and current dataset, existing data related to Yarrabah's geopolitical, technological, educational, and environmental dimensions will be collected over an extended period.

**Ethnographic Research:** For the ethnographic component, Project Indigo will conduct fieldwork in Yarrabah, aligning with the community's schedule and preferences. The target participant group will encompass community members, cultural leaders, and key representatives. The focus will be on their perspectives on local challenges, cultural preservation, and aspirations for sustainable development.

**Interview Process:** Semi-structured interviews will allow flexibility to delve into diverse perspectives. Key themes will include community concerns, cultural preservation, sustainable development, and the unique challenges Yarrabah faces. The interviews will be scheduled at times convenient for the participants, ensuring an accommodating and contextually rich environment.

**Digital Recordings/Photographs:** Similar to the previous research, digital recordings will capture the interviews, facilitating accurate transcription and analysis. However, considering the sensitivity of the topics discussed and the need to respect privacy and cultural considerations, the use of photographs will be omitted.

**Research Timeline and Location:** The ethnographic research in Yarrabah will align with the community's schedule and preferences. The interviews will be conducted over a specific timeframe, ensuring the participation of key representatives from the community. The location will be determined based on the preferences and comfort of the participants.

**Participant Compensation:** Participants in the ethnographic research will not receive financial compensation. This decision is grounded in ethical considerations, recognizing the community's cultural context. Financial incentives may not align with the community's preferences and values.

**Justification for Non-Financial Compensation:** Non-financial compensation will take the form of acknowledging the significance of participants' perspectives, providing a platform for their voices, and contributing to the local and global discourse on community well-being and sustainable futures. Respecting the community's cultural values and ethical considerations will guide the research team's approach.

In summary, Project Indigo's research methods, inspired by the proven approach in the prior PIE and Fiji's development research, are designed to comprehensively explore Yarrabah's unique context. The mixed-methods approach and careful consideration of participant compensation align with ethical standards and the community-centric focus of the research.

## **Documentation and Metadata**

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### **What documentation and metadata will accompany the data?**

Comprehensive documentation and metadata will accompany the data to ensure its integrity, usability, and ethical handling. The documentation will include:

**Data Management Plan (DMP):**

Detailed plan outlining how data will be handled throughout the research process.

Protocols for data collection, storage, access, sharing, and preservation.

**Participant Information Sheets and Informed Consent Forms:**

Document the informed consent process, including participant information sheets detailing the research purpose, procedures, and ethical considerations.

Signed consent forms indicating participants' agreement to participate.

**Quantitative Research Metadata:**

Detailed information on quantitative data sources, including governmental reports, international databases, and scholarly articles.

Documentation of the data extraction process and any transformations applied.

**Ethnographic Research Metadata:**

Descriptions of the UNPFII conference, including the schedule, participant demographics, and the context of interviews.  
Information on interview transcripts, including details on the semi-structured format and key themes explored.  
Project Indigo MOU:

Memorandum of Understanding signed by participating organizations and individuals, specifying collaboration terms and support.

Published Reports and Publications:

Citations and references for academic papers, reports, and publications derived from the research.  
Descriptions of methodologies used in the generation of insights and recommendations.

Contextual Information:

Background information on Far North Queensland indigenous communities, specifically Yarrabah and the Torres Strait Islands.

Acknowledgment of the traditional land owners and custodians.

These documents collectively form a comprehensive set of metadata, ensuring transparency, traceability, and the ethical handling of data throughout the research lifecycle.

## **Ethics and Legal Compliance**

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### **How will you manage any ethical issues?**

The management of ethical issues is a paramount consideration throughout the research process. The following strategies will be implemented to address and manage ethical concerns:

Ethics Review Board Approval:

An Ethics Review Board (ERB) will thoroughly review the research protocol to ensure compliance with ethical standards and guidelines.

Informed Consent:

Participants will be informed about the purpose of the research, procedures, and potential risks.

Informed consent will be obtained from all participants, ensuring voluntary and knowledgeable participation.

Privacy and Confidentiality:

Participant confidentiality will be strictly maintained.

All collected data, including personal information, will be de-identified or anonymized to protect participant privacy.

Data Security:

Secure storage measures will be implemented, utilizing password-protected systems and encryption for digital data.

Physical documents will be stored in locked filing cabinets to prevent unauthorized access.

Respect for Cultural Sensitivities:

Sensitivity to cultural nuances and protocols will be prioritized, especially when engaging with indigenous communities.

Acknowledgment and respect for the traditional land owners and custodians will be integral to the research.

Transparent Communication:

Transparent and open communication with participants will be maintained throughout the research process.

Any changes to the research protocol will be communicated promptly, and participant consent will be reaffirmed.

Monitoring and Reporting:

Regular monitoring of ethical considerations will be conducted throughout the research.

Any ethical concerns or breaches will be reported promptly to the Ethics Review Board.

Participant Well-being:

The research team will prioritize the well-being of participants.

Support mechanisms will be in place to address any emotional distress or concerns arising from participation.

Feedback Mechanisms:

Participants will have the opportunity to provide feedback on the research process. Any concerns raised by participants will be addressed promptly and transparently. The research aims to uphold the highest standards of integrity, transparency, and participant well-being by adhering to these ethical practices.

### **How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?**

Managing copyright and Intellectual Property Rights (IP/IPR) is crucial to ensure ethical use of data and respect for contributors. The following strategies will be implemented to manage copyright and IP/IPR issues:

#### Clear Ownership and Use Agreement:

Participants will be informed about the ownership and use of the data through an explicit agreement. The agreement will outline how the data will be used, shared, and preserved, establishing expectations.

#### Attribution and Recognition:

Participants' contributions will be appropriately acknowledged, and their intellectual property rights will be respected. Any public use of the data will include proper attribution to contributors.

#### Consent for Data Use:

Informed consent will explicitly cover data use and potential sharing for research purposes. Participants will be aware of how their data will be utilized, ensuring transparency in the research process.

#### Limitations on Data Use:

Restrictions on data use, if any, will be communicated to participants. Any data sharing or reuse limitations will be established based on participants' preferences and ethical considerations.

#### Data Sharing Protocols:

Data-sharing protocols will be established, outlining the conditions under which the data can be shared. Sharing will adhere to legal and ethical standards, respecting participants' rights.

#### Secure Storage and Access Controls:

Specific storage measures will be in place to prevent unauthorized access. Access controls ensure that only authorized individuals within the research team can handle the data.

#### Intellectual Property of the Research Team:

The research team's intellectual property rights over methodologies and tools will be clarified. Ownership and usage of any tools developed during the research will be explicitly outlined.

#### Legal Consultation:

Legal experts will be consulted to ensure the research process complies with copyright laws and intellectual property regulations.

#### Regular Review and Updates:

Copyright and IP/IPR considerations will be regularly reviewed throughout the research. Any updates or changes will be communicated transparently to participants. By implementing these strategies, the research aims to uphold the rights of participants, maintain ethical standards, and ensure responsible use of data by copyright and intellectual property regulations.

## **Storage and Backup**

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### **How will the data be stored and backed up during the research?**

Data storage and backup during the research will follow a systematic approach to ensure data integrity, security, and accessibility. The following measures will be implemented:

#### Secure Storage Infrastructure:

Data will be stored on password-protected computers and servers to prevent unauthorized access. Sensitive information will be stored on encrypted devices to enhance security.

#### Cloud-Based Storage:

A cloud-based storage solution with robust security features will be employed for data backup. Cloud storage ensures redundancy and accessibility from multiple locations.

#### Regular Backups:

Automated backup processes will be established to duplicate data regularly. Frequent backups will mitigate the risk of data loss in case of technical failures.

#### Version Control:

Version control systems will be implemented to track changes and revisions in datasets. This ensures that different versions of data are accessible for analysis and comparison.

#### External Hard Drives:

Critical data will be periodically backed up on external hard drives stored in secure locations. This provides an additional layer of protection against unforeseen circumstances.

#### Data Integrity Checks:

Periodic integrity checks will be conducted to identify and rectify any data corruption or errors. Regular maintenance will be performed to keep the data repository in optimal condition.

#### Access Logs and Audits:

Access logs and audits will be maintained to monitor who accesses the data and when. This helps in identifying any unauthorized attempts to access or modify the data.

#### Secure Data Transfer Protocols:

Secure protocols will be used for data transfer between team members to prevent interception. Encryption will be applied during data transmission to maintain confidentiality.

#### Data Storage Policy:

A comprehensive data storage policy will be developed and communicated to all team members. The policy will outline procedures for storing, accessing, and backing up data.

#### Contingency Planning:

Contingency plans will be established to address unforeseen events, such as hardware failures, ensuring minimal disruption to the research.

By adhering to these measures, the research aims to establish a resilient and secure data storage environment that safeguards against data loss, unauthorized access, and technical challenges during the research process.

### **How will you manage access and security?**

Managing access and security for the research data will prioritize confidentiality, integrity, and controlled access. The following strategies will be implemented:

#### Role-Based Access Control:

Access to research data will be granted based on predefined roles and responsibilities. Different levels of access will be assigned according to the specific needs and roles of team members.

#### Authentication Measures:

Strict authentication measures will be in place to ensure that only authorized personnel can access the data. Password protection and multi-factor authentication will be enforced for secure access.

#### Access Logs and Monitoring:

Access logs will be maintained to record details of individuals accessing the data. Continuous monitoring of access logs will help detect any suspicious activities.

#### Data Encryption:

Data will be encrypted both during storage and transmission to prevent unauthorized interception. Encryption algorithms will be used to secure sensitive information.

#### Secure Data Transfer Protocols:

Secure protocols will be employed for any data transfers within the research team.  
Encryption during data transmission will be a standard practice to maintain data security.  
Restricted Physical Access:

Physical access to storage devices will be restricted to authorized personnel only.  
Storage locations will be secure, with controlled access to minimize the risk of physical breaches.  
Regular Security Audits:

Regular security audits will be conducted to assess the effectiveness of security measures.  
Any vulnerabilities identified will be promptly addressed to maintain a secure environment.  
Training and Awareness:

Team members will undergo training on data security protocols and best practices.  
Awareness campaigns will be conducted to foster a culture of data security within the research team.  
Data Handling Policies:

Policies governing data handling, including copying and transferring, will be established.  
Adherence to these policies will be a requirement for all team members.  
Confidentiality Agreements:

Team members must sign confidentiality agreements, reinforcing their commitment to data security.  
Breach of confidentiality may result in disciplinary actions.  
Secure Collaboration Platforms:

Collaboration platforms with robust security features will be used for sharing and working on research data.  
Platform access will be restricted to authorized collaborators.  
By implementing these access and security measures, the research aims to establish a robust framework that protects the integrity and confidentiality of the data throughout the research lifecycle.

## **Selection and Preservation**

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

Data of long-term value includes:

Quantitative Research Data:

Geopolitical, technological, educational, and environmental data related to Yarrabah's development.  
Demographic information, governmental reports, and scholarly articles.

Ethnographic Research Data:

Interview transcripts and recordings capturing perspectives on climate change, sustainable development, and indigenous rights.

Participant observations and contextual insights from the UNPFII conference.

Metadata Documentation:

Detailed documentation and metadata accompanying the data, including the Data Management Plan (DMP).  
Project-related information includes participant consent, data sources, methodology, and data use conditions.

Consent Forms and Participant Information Sheets:

Documents demonstrating explicit informed consent from participants.

Information sheets outline the research's purpose, procedures, and ethical considerations.

Project Indigo MOU:

Memorandum of Understanding signed by participating organizations and individuals, outlining collaboration and support.

Published Reports and Publications:

Academic papers, reports, and publications derived from the research outcomes.

Insights, recommendations, and lessons learned from Project Indigo's application of the PIE theory.

The preservation plan involves securely archiving these data types in established repositories, ensuring accessibility for validation, verification, and future research inquiries. Adequate documentation and metadata will accompany the data to facilitate its proper use and understanding by future researchers and stakeholders.

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

The long-term preservation plan for the dataset involves ensuring the integrity, accessibility, and usability of the data over an extended period. The following strategies will be implemented:

#### Data Documentation and Metadata:

Comprehensive documentation and metadata will accompany the dataset, providing detailed information on data structure, variables, and methodology.

Metadata will include information on the research context, methodologies, and any transformations applied to the data.

#### Data Storage in Established Repositories:

Consideration will be given to depositing the dataset in established data repositories such as AIATSIS or other relevant repositories that comply with recognized standards.

These repositories are equipped to ensure long-term preservation, curation, and access to research datasets.

#### Data Format and Standards:

The dataset will be stored in open and non-proprietary formats to enhance long-term usability.

Adherence to data standards and conventions will be maintained to facilitate interoperability.

#### Regular Backups:

Periodic backups of the dataset will be conducted to prevent data loss due to unforeseen circumstances such as technical failures or corruption.

Multiple copies of the dataset will be stored securely to mitigate risks.

#### Version Control:

Version control mechanisms will be employed to track changes made to the dataset over time.

This ensures a clear record of modifications and facilitates the retrieval of specific versions if needed.

#### Data Access Policies:

Access policies will be established to regulate access to the dataset over the long term.

These policies will balance the need for data sharing with considerations for confidentiality and ethical standards.

#### Data Security Measures:

Security measures implemented during the research phase will continue to be upheld to safeguard the dataset during long-term preservation.

The preservation plan will include continuous monitoring and updates to security protocols.

#### Legal and Ethical Considerations:

Compliance with legal and ethical standards will be maintained throughout the preservation period.

Any changes in legal or ethical requirements will be promptly addressed to ensure continued compliance.

#### Documentation of Preservation Strategies:

Preservation strategies will be documented to provide clear guidelines for future custodians or researchers who may access the dataset.

Documentation will include information on the dataset's structure, preservation methods, and access protocols.

#### Periodic Review and Assessment:

Regular reviews of the dataset's preservation status will be conducted to ensure that strategies remain effective.

Adjustments and enhancements to the preservation plan will be made as necessary.

By implementing these measures, the research aims to establish a robust long-term preservation plan that safeguards the dataset's integrity and accessibility for future research endeavors.

## **Data Sharing**

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### **How will you share the data?**

Data sharing will follow a carefully planned and ethical approach to ensure transparency, accessibility, and responsible use. The key strategies for sharing the data include:

#### Data Sharing Platforms:

Utilize reputable data-sharing platforms that align with ethical standards and promote open access to research datasets. Platforms such as AIATSIS or other recognized repositories will be considered for depositing and sharing the data.

#### Open Access Principles:

Embrace open access principles to facilitate the broadest possible dissemination of the dataset.  
Ensure the data is freely accessible to the research community, policymakers, and the general public.

#### Embargo Periods:

Implement embargo periods if necessary to address any immediate concerns related to the dataset, such as proprietary or sensitive information.

Communicate the duration of embargo periods and reasons for restricted access.

#### Attribution and Citation Guidelines:

Establish clear guidelines for attributing the dataset to the original research team, promoting responsible use and proper citation in subsequent research.

#### Data Documentation:

Provide comprehensive documentation alongside the dataset, explaining its structure, variables, and methodologies.  
Enhance the usability of the data by including metadata that aids researchers in understanding and interpreting the dataset.

#### Data Use Agreements:

Require data users to agree to specific terms and conditions outlined in data use agreements.  
These agreements will emphasize ethical use, proper citation, and compliance with any restrictions imposed on the dataset.

#### Collaborative Research Opportunities:

Encourage collaborative research opportunities by inviting other researchers to engage with the dataset.  
Foster partnerships that contribute to the broader understanding of the data and its implications.

#### Public Communication:

Develop a communication plan to inform the public about the availability of the dataset.  
Ensure that the broader community is aware of the research outcomes and the accessibility of the data.

#### Education and Training:

Provide educational resources and training materials to support users in understanding the dataset.  
Promote responsible and ethical use through guidance on data interpretation and analysis.

#### Compliance with Legal and Ethical Standards:

Ensure compliance with legal and ethical standards governing data sharing.  
Stay informed about any changes in regulations and adjust data-sharing practices accordingly.

#### Data Accessibility:

Strive for data accessibility that is inclusive and caters to diverse audiences.  
Consider different formats or platforms that enhance accessibility for individuals with various levels of technical expertise.  
By incorporating these strategies, the research aims to share the data that promotes collaboration and responsible use and contributes to advancing knowledge in the academic and broader community.

### **Are any restrictions on data sharing required?**

Certain restrictions on data sharing may be required to address specific concerns related to the dataset. The following considerations highlight potential reasons for imposing restrictions:

#### Embargo Periods:

During an initial period after the completion of the research, an embargo may be necessary to address proprietary or sensitive information.

This temporary restriction allows the research team to assess and mitigate potential risks associated with the data.  
Privacy and Confidentiality:

If the dataset contains identifiable information or sensitive details about individuals or communities, restrictions may be imposed to safeguard privacy.

Complying with privacy laws and ethical standards is paramount, and restrictions may limit access to certain dataset parts.

Commercial or Proprietary Information:

If the dataset includes commercially sensitive information or proprietary data, restrictions can be placed on sharing to protect intellectual property and business interests.

This ensures that confidential details are not exploited for commercial gain without appropriate agreements.

Legal and Ethical Compliance:

Compliance with legal and ethical standards may necessitate restrictions to prevent the dataset's unauthorized use or potential misuse.

Ensuring that data sharing aligns with regulatory requirements and ethical guidelines is crucial.

Security Concerns:

In cases where the data may be vulnerable to security threats or cyberattacks, restrictions on open access may be implemented to mitigate risks.

Protecting the integrity and security of the dataset is essential for responsible data sharing.

Researcher's Intentions:

Restrictions can be imposed based on the researcher's intentions, such as limiting access to collaborators or those with specific research goals.

This ensures that the dataset is aligned with the original research purpose.

Community or Cultural Sensitivities:

Respect for community or cultural sensitivities may lead to restrictions on data sharing to prevent potential harm or misinterpretation.

Prioritizing the well-being and interests of the communities involved is a crucial consideration.

The data use agreements will outline the specific nature and duration of any restrictions, providing clarity to potential users regarding the conditions for accessing and utilizing the dataset. These restrictions balance the goal of open science with the imperative to protect the integrity, privacy, and ethical considerations associated with the research data.

## **Responsibilities and Resources**

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### **Who will be responsible for data management?**

The responsibility for data management will be distributed among the research team, with designated roles and accountability to ensure comprehensive and effective dataset handling. The key individuals and their respective responsibilities are outlined below:

Principal Investigator (PI):

The Principal Investigator, Benjamin Isaiah Mitchell, will be responsible for the entire research project, including data management.

Responsibilities include overseeing the development and implementation of the data management plan, ensuring compliance with ethical standards, and making decisions regarding data access and sharing.

Data Manager:

A dedicated Data Manager will be appointed to handle day-to-day data management tasks.

This individual will be responsible for organizing, documenting, and securing the dataset and overseeing backup procedures and storage protocols.

Ethics and Compliance Officer:

An Ethics and Compliance Officer will be designated to ensure that the research adheres to ethical standards and regulatory requirements.

Responsibilities include monitoring data use agreements, handling ethical considerations related to data sharing, and

managing any issues related to informed consent.

IT and Security Team:

An IT and Security Team will be engaged to address technical aspects of data storage, backup, and security. Responsibilities include implementing secure storage solutions, establishing backup procedures, and monitoring data access to prevent unauthorized use.

Project Coordinator:

The Project Coordinator will play a role in coordinating communication among team members and ensuring that data management activities align with the broader research goals.

Responsibilities may include facilitating collaboration and addressing any challenges during the research process.

Collaborating Institutions and Peak Bodies:

Collaborating institutions, Aboriginal and Torres Strait Islander peak bodies, and community organizations will be informed about their role in data management.

Clear communication will be maintained to ensure that all stakeholders are aware of their responsibilities and obligations regarding data handling and sharing.

The collaborative nature of the research necessitates effective communication and coordination among team members. Regular meetings and updates will address emerging issues, discuss data management strategies, and ensure alignment with ethical, legal, and security considerations. The distributed responsibilities aim to create a robust data management framework prioritizing integrity, security, and compliance throughout the research lifecycle.

### **What resources will you require to deliver your plan?**

The successful implementation of the data management plan outlined above will require a range of resources to ensure efficiency, security, and compliance. The critical resources needed include:

Personnel:

We have a dedicated Data Manager with data organization, documentation, and security expertise.

Ethics and Compliance Officer with knowledge of ethical standards and regulatory requirements.

IT and Security Team with technical proficiency in data storage, backup, and security protocols.

Project Coordinator to facilitate communication and coordination among team members.

Training and Capacity Building:

Training programs for research team members to enhance their understanding of data management practices, ethical considerations, and security protocols.

Capacity-building initiatives to ensure that team members are equipped with the necessary skills to fulfill their roles effectively.

Technological Infrastructure:

Secure and reliable storage infrastructure, such as password-protected servers or cloud-based platforms, to store and organize the dataset.

Backup systems and procedures to prevent data loss and ensure data integrity throughout the research process.

Advanced data security measures, including encryption and access controls, to safeguard against unauthorized use.

Software and Tools:

Data management software for efficient organization, documentation, and dataset retrieval.

Tools for metadata creation and maintenance to accompany the data throughout its lifecycle.

Collaboration tools to facilitate communication and coordination among team members.

Legal and Ethical Guidance:

Legal consultation services to ensure that data management practices align with national and international regulations.

Ethical guidance to address any emerging ethical considerations related to data sharing, privacy, and participant consent.

Communication Platforms:

Reliable communication platforms for regular team meetings, updates, and discussions on data management strategies.

Secure channels for communication with collaborating institutions, peak bodies, and community organizations regarding data management responsibilities.

Documentation Resources:

Templates and documentation resources for developing data management plans, data use agreements, and informed consent forms.

Guidelines for documentation of metadata accompanying the dataset.

Collaboration with Institutions and Organizations:

Collaborative partnerships with institutions, Aboriginal and Torres Strait Islander peak bodies, and community organizations to leverage their resources and expertise in specific domains.

Financial Resources:

Adequate funding to support the procurement of technological infrastructure, software licenses, training programs, and legal consultations.

Budget allocation for any unforeseen expenses or emerging needs during the research project.

Periodic Audits and Monitoring:

Resources for periodic audits and monitoring activities to assess data management practices' effectiveness and promptly address any issues.

Educational and Outreach Materials:

Educational materials for participants to enhance their understanding of the research, data management procedures, and the implications of data sharing.

By securing these resources, the research team aims to establish a robust and comprehensive framework for data management, ensuring that the dataset is handled ethically, securely, and in compliance with legal and regulatory standards.

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## **Planned Research Outputs**

### **Collection - "Comprehensive Framework for Research Outputs: Project Indigo"**

The research output of Project Indigo encompasses a multifaceted approach, generating valuable insights, knowledge, and contributions across various domains. The critical research outputs include:

#### Comprehensive Research Report:

A detailed and comprehensive research report outlining the findings, analyses, and conclusions drawn from the study. This document serves as a primary output summarizing the research journey, methodologies, and outcomes.

#### Peer-Reviewed Publications:

Submit scholarly articles to reputable academic journals, contributing to the academic discourse and disseminating research findings to a broader audience. Peer-reviewed publications enhance the credibility and visibility of the research.

#### Conference Presentations:

Participation in relevant conferences and symposiums to present key findings and engage with the academic and professional community. Conference presentations provide a platform for discussion, feedback, and collaboration.

#### Policy Recommendations:

Formulation of policy recommendations based on the research outcomes. These recommendations aim to influence decision-making at various levels, including governmental policies, community initiatives, and organizational strategies.

#### Community Engagement and Workshops:

They conduct community engagement activities and workshops to share research insights directly with the participating communities. These sessions facilitate two-way knowledge exchange and empower communities to leverage the research outcomes for their development.

#### Educational Resources:

Development of educational materials derived from the research, including brochures, fact sheets, and guides. These resources enhance awareness and understanding of the research outcomes among diverse audiences.

#### Networking and Collaborations:

Establishment of networking opportunities and collaborations with Aboriginal and Torres Strait Islander peak bodies, community organizations, and other stakeholders. These collaborations foster ongoing partnerships and the potential for future research initiatives.

#### Media Engagement:

Various media channels disseminate research findings to the broader public, including press releases, interviews, and articles. Media engagement enhances the visibility of the research and its societal impact.

#### Online Platforms and Webinars:

Create online platforms like project websites and webinars to share research updates and findings and engage with a global audience. Webinars provide an interactive forum for discussions and knowledge dissemination.

#### Long-Term Data Repository:

Establishment of a secure and accessible long-term data repository to preserve the dataset for future research, ensuring the sustainability and ongoing value of the collected information.

#### Indigenous-Led Initiatives:

Support Indigenous-led initiatives and projects, utilizing the research outcomes to empower communities, promote cultural preservation, and contribute to sustainable development in collaboration with relevant stakeholders.

By diversifying the research outputs across these channels, Project Indigo aims to maximize its impact, reach, and relevance, fostering positive outcomes for both the participating communities and the broader research community.

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## **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?
Comprehensive Framework for Research Outputs: Proj ...	Collection	2024-10-31	Open	The Australian Institute of Aboriginal and Torres Strait Islander Studies (AIATSIS)	100 GB	Creative Commons Attribution Non Commercial Share Alike 4.0 International	First Nations Media Australia Australian Research Data Commons	Yes	Yes