

FY2025

北海道大学水産科学研究院

Project "Blue Frontier": ブルーフロンティア・プロジェクト (モーリシャス持続可能な水産開発プロジェクト)

2025年度年次レポート

REPORT

本年度の活動は例年の、日本側専門家による2回の現地を軸にしつつ、各分野の課題の地図化や関連研究の発表などを行って成果の見える化をすすめた。一方で、最終年度に向けた「普及」「社会還元」への注力をふやしていった。現地側関係者、特に事故現場の対岸、マエブールへ住民の働きかけを意識した活動を行った。

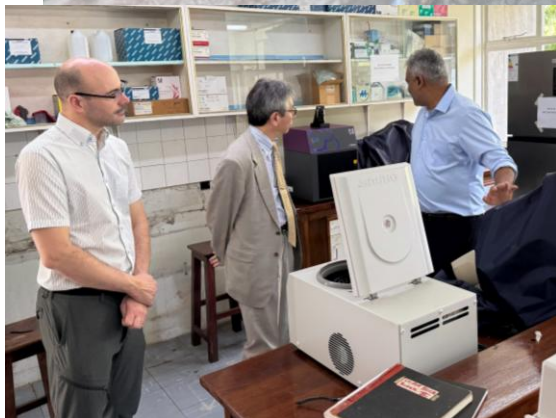
This year's activities followed the "ordinal schedule", centering on two on-site visits by Japanese experts. We also focused on visualizing our achievements through activities such as mapping challenges in various fields and presenting related research. Meanwhile, we increased our focus on "dissemination" and "social contribution" as our preparation for the final year. We conducted activities with local stakeholders, particularly in Mahebourg, across the river from the accident site, with a focus on engaging with residents.



MOL Mauritius International Fund
for Natural Environment Recovery and Sustainability



4月・April	年度活動確認, 調査事前調整/Confirmation of annual activities, preliminary arrangements for the survey.
5月・May	現地のパートナーとの打ち合わせ/Meeting with local partners
6月・June	2025年度第一回現地調査 マエブールでの漁業者・観光業者とのワークショップ 現地ミッション振り返り, 専門家間意見交換 First field survey of FY2025 Workshop with fishermen and tourism operators in Mahebourg Review of the field mission and exchange of opinions among experts
7月・July	
8月・August	普及のための資料準備やツールのデザイン・試行などを含む準備活動 Preparatory activities including preparing materials for dissemination and designing and testing tools.
9月・September	2025年度第2回現地派遣に向けた普及ワークショップ準備 国際学会発表にかかる資料作成 各研究チームの成果の取りまとめ, 論文作成) Preparation for the second field dispatch in FY2025: Preparation of materials for presentations at international conferences; Summarization of research team results and paper writing.
10月・October	現地調査の計画確認・詳細設計 2025年度第2回現地調査準備 現地情報の精査, 調査参加専門家間打ち合わせ Confirmation of the field survey plan and detailed design Preparation for the second field survey in FY2025 Scrutiny of field information, meetings among participating experts
11月・November	国際学会発表 (PICES ANNUAL MEETING 2025: https://meetings.pices.int/meetings) 2025年度第2回現地調査 普及プログラム資料作成, 試行 Second field survey in FY2025: Preparation and trial of dissemination program materials.
12月・December	2025年度第2回現地調査継続 現地報告会, 計画設計と合意形成...現地において小規模セミナーと意見交換会の開催 Continuation of the 2nd Field Survey in FY2025 Field Report Meeting, Planning and Design, and Consensus Building... Holding of small-scale seminars and exchange meetings on-site
1月・January	発信用活動情報の整理・論文作成活動・脱稿/Organizing information on activities for dissemination, Paper writing activities and completion
2月・February	年次報告資料準備・他島嶼国における水産開発にかかる知見の収集・取材 (スリランカほか)・現地活動のモニタリング/Preparation of annual report materials, Collection of information and interviews regarding fisheries development in island nations (Sri Lanka, etc.), Monitoring of on-site activities
3月・March	年次報告内容の精査, 発信メディア・ニュースレター作成, 論文作成活動の継続/Review of annual report content, creation of dissemination media and newsletters, and continuation of research paper writing activities.



たしかにマエブールでは、知識の共有や水産対象となる魚種に関する調査研究は行われていたし、滞在しながら地域の住民、特に漁業者との交流は前年度も図られていた。しかしながら、本格的に他地域で作られた開発モデルを説明し、働きかけるための活動を行った今年度、現地のステークホルダーの様々な思いとあらためて直面することとなった。

Certainly, knowledge sharing and research on fish species targeted for fisheries were conducted in Mahebourg, and interaction with local residents, especially fishermen, had taken place during the previous year. However, this year, when we began activities to explain and promote development models developed in other regions, we were once again confronted with the diverse perspectives of local stakeholders.



6月にはセミナーを合わせて二日間、数時間に及ぶ意見交換の末、漁業者やそれに連なる仲買業者の抱える不安や課題を改めて確かめることができた。設備や道具が得られても使うべきモチベーションがある関係者に分配されない。アイディアや知識はある程度得られても、維持管理や組織化のノウハウがない、経験やモデルになる事例がないということが、特に若い漁業者から指摘された。

12月にはそういった若い漁業者たちの受け皿になりうる組織づくり、経営体づくり、モデル化を模索した。案件で培った知識をもとに起業したグループとの意見交換を行い、ノウハウの整理を開始した。

In June, after two days of seminars and several hours of discussion, we were able to reaffirm the anxieties and challenges faced by fishermen and their related brokers. Even when equipment and tools are acquired, they are not distributed to stakeholders who have the motivation to use them. While ideas and knowledge are acquired to some extent, there is a lack of know-how for maintenance and organization, as well as a lack of experience and model examples, which was particularly pointed out by young fishermen.

In December, we explored the creation of organizations, business models, and systems that could serve as a support system for these young fishermen. We exchanged opinions with a group that had started a business based on the knowledge gained from the project, and began organizing the know-how.

With People With Ocean



こういった、地域のステークホルダーへの働きかけは、漁業者に対してだけでなく海での活動を行う観光業者に対しても行ってきた。今年度は特にマエブール、周辺の事故現場を含むエリアで活動を行う業者の協力を得て、若手ガイドの観察対象のクジラやイルカについての勉強会を行い、彼女たち・彼らの業務の中で可能な持続可能な海洋資源の利用への取り組みを考えた。

The Project's outreach efforts to local stakeholders have extended not only to fishers but also to tourism operators engaged in marine activities. This year, in particular, with the cooperation of operators working in the area including the Mahebourg and surrounding accident sites, we held study sessions on whales and dolphins, which are the subjects of observation tour options for young guides, and considered ways for them to utilize marine resources sustainably within their work.



活動の基盤となる研究活動は、この年度において多くの成果を得ることができた。各分野から国際誌での3件の論文、5件の国際学会での発表を含む15件の科学的な報告・発表がなされ、モーリシャス人とともに注がれた開発基盤の知見整理の努力が花開く年度となった。

FADs and livelihoods: Evaluating the socio-economic impact of offshore fisheries in Mauritius

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Abstract

Fish Aggregating Devices (FADs) have become central to artisanal fisheries in many small island

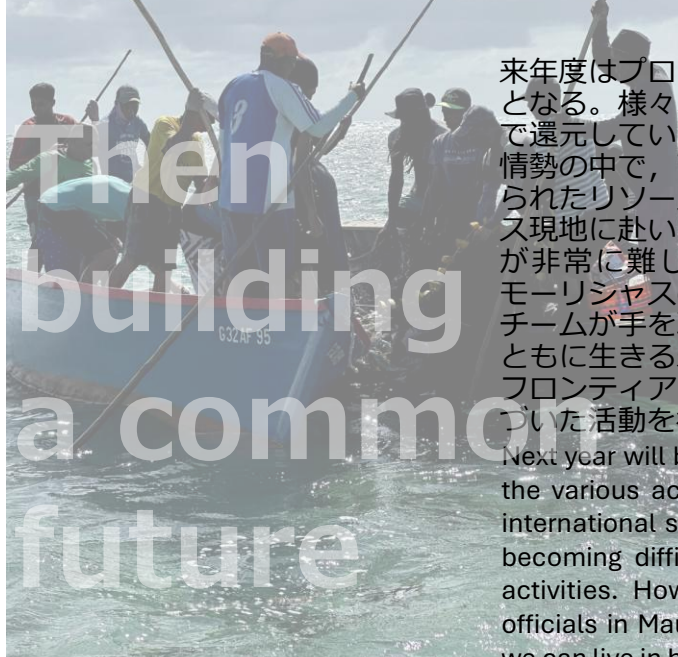
Developing States (SIDS) but their socio-economic impacts remain understudied

The research activities as the foundation of our co-developmental activities yielded many results this year. Fifteen scientific reports and presentations were made from various fields, including three papers in international journals and five presentations at international conferences, making this a year in which the efforts to organize knowledge on the development base, made in collaboration with the Mauritians, bore fruit.



海藻学の分野では新種発見を含む学術的かつ将来のモーリシャスにとっての海洋資源を規定する重要な研究成果を得た。また、漁具・漁法を含む漁業学の分野では、現地漁師との信頼関係にもとづいた共同調査にもとづいた研究の成果が発表されるとともに、モーリシャスの現場で詳細にわたり現地語で説明された。知識を研究成果にとどまらず、共有される知財としてわかりやすいかたちにして還元する努力が今年度もさかんに行われた。

In the field of phycology, important research results were obtained that will shape the future of marine resources for Mauritius, including the discovery of new species. In the field of fisheries science, including fishing gear and methods, the results of research based on collaborative surveys with local fishermen, built on trust, were published and explained in detail in the local language at the Mauritian site. Efforts were actively made this year to return knowledge not just as research results, but as shareable intellectual property in an easily understandable form.



来年度はプロジェクトの最終年度となる。様々な成果をさらに現場で還元していきたい。現在の国際情勢の中で、高騰する諸費用、限られたリソースの中、モーリシャス現地に赴いての作業や共同活動が非常に難しくなっているが、モーリシャスの水産関係者と日本チームが手を取り合って青い海とともに生きる未来を作る、そんなフロンティア・スピリッツのもとづいた活動を行ってきたい。

Next year will be the final year of the project. We want to further apply the various achievements we have made to the field. In the current international situation, with soaring costs and limited resources, it is becoming difficult to travel to Mauritius for work and collaborative activities. However, we want to work hand in hand with fisheries officials in Mauritius and the Japanese team to create a future where we can live in harmony with the blue ocean, based on a frontier spirit.

