



公益信託商船三井モーリ  
シャス自然環境回復保全・  
国際協力基金/第2回活動成  
果報告会

HOKKAIDO UNIVERSITY  
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） ACTIVITY REPORT

The Project team

with Prof. Yasuzumi FUJIMORI, Drs.  
Hisae KASAI, John BOWER, Shingo  
AKITA, Makoto TOMIYASU, Ayaka  
MATSUDA and students from Hokkaido  
Univ.

With Prof Yoko MITANI from Kyoto Univ.

Advised by Dr. Naoki TOJO





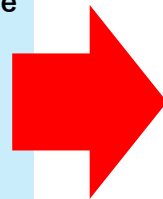
# BLUE FRONTIER PROJECT

## Stakeholders

① Citizens of Mauritius, especially members of fishing villages and communities, ② Mauritian researchers and students of higher education institutions, ③ Aquatic resource users such as water-based tourism operators and restaurants, ④ Government officials and administrative agencies

**Target area** Mauritius mainland and Rodrigues Island  
(center of operations on the east coast)

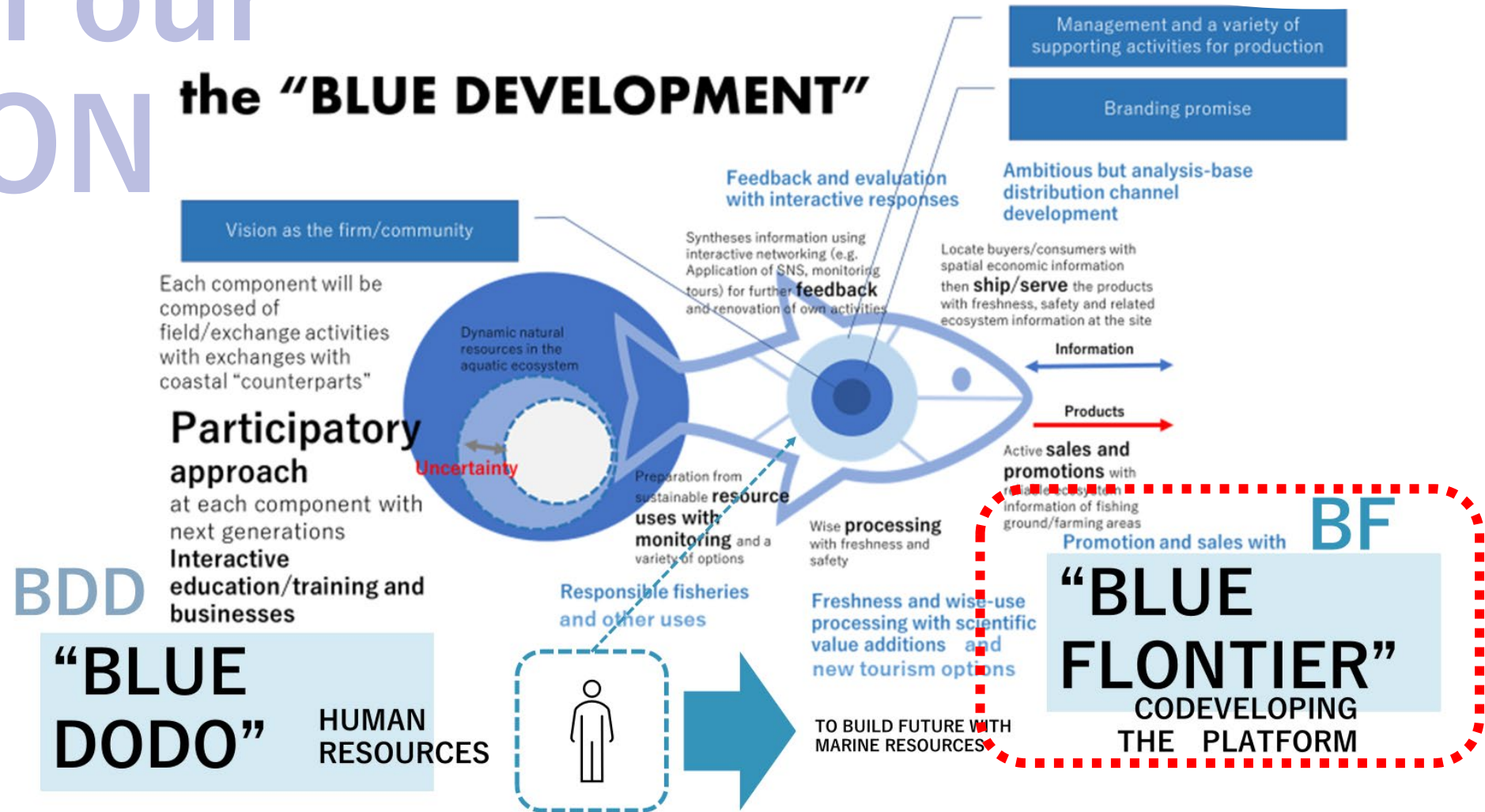
- 1 Collaborative research activities are conducted in areas of fishings and other aquatic resources uses as well as of aquatic ecology
- 3 Capacity development of/dissemination for target community members is made in following items: Production efficiency, sustainability of households, management of aquatic resources uses, and ecosystem conservation
- 4 Models of new/improved market channels (w/ Product, tourism) are designed and developed
- 5 Models of sustainable development/conservation with aquatic resources are developed based on the experiences from other activities, with adequate socio-economic investigations ("Blue Economics" modeling)



A **value chain** based on the sustainable use of aquatic resources by fishing communities along the Mauritanian coast will be developed (Porter 1985), and a **comprehensive fisheries socio-economic development model and management model** based on this will be verified and proposed together with local stakeholders.

+ Training young/senior stakeholders as "members", academic findings, GIS database, Application...

# From our VISION



1. Comprehensive approach for complex problem solving
2. Knowledge cocreation approach with stakeholders

**TWO** fundamental approaches

# Activities with the Model community

- Expecting “local to local” dissemination
- Building understandings through activities
- Practices with scientific reasons with digestible explanations



A VARAETY  
OF  
COWORKIN  
GS  
BF

- INVOLVEMENT OF DIRECT STAKEHOLDERS
- While considering their households, need to provide scientific insights...SINCERE COMMUNIAION with CLARIFICATION and INCENTIVES
- COWORKING and COCREATION



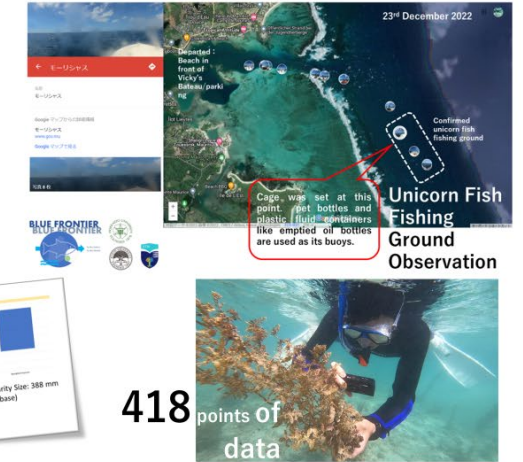
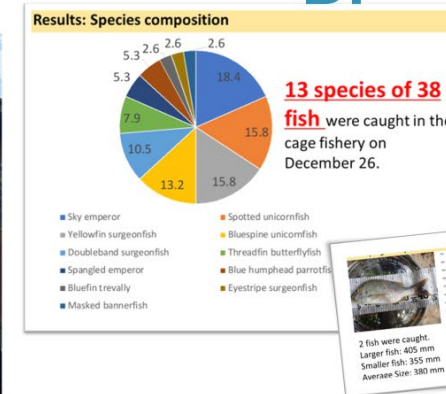
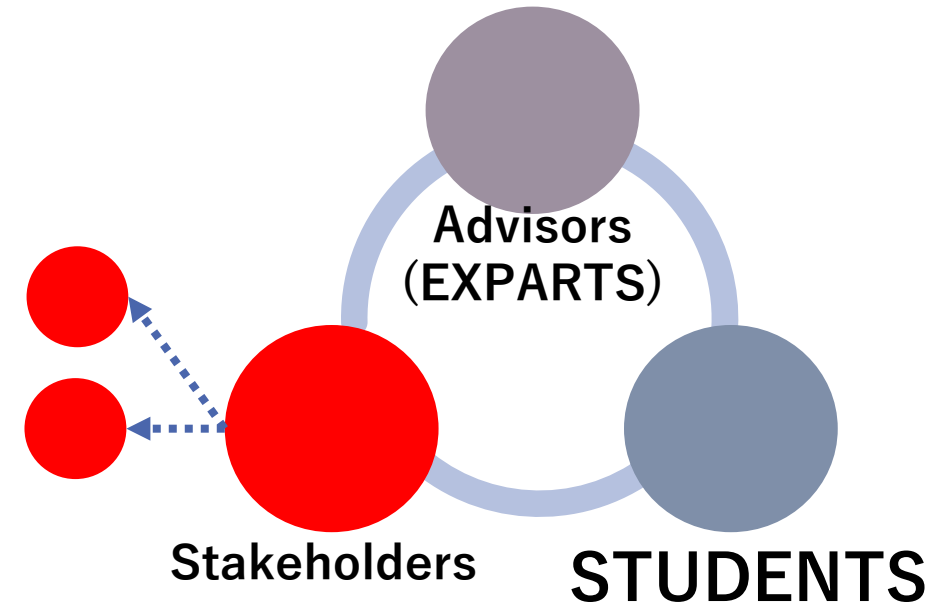
Providing manuals for higher values





# Active co-working was established by students

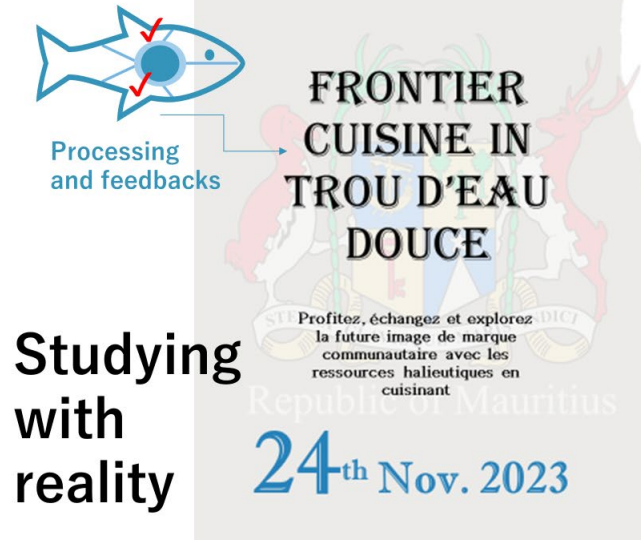
ACTIVITIES in CHALLENGES of NATURAL ENVIRONMENT and DATA/INFORMATION LIMITED SITUATION



- ACTIONS enhanced by **University Students**...“AMBITIOUS FELLOWS with the BLUE”

- University students has been the link of the counterparts with their research
- Educational activities have been working as the “glue” of different project members

# Exchanges for each component of “value chain”

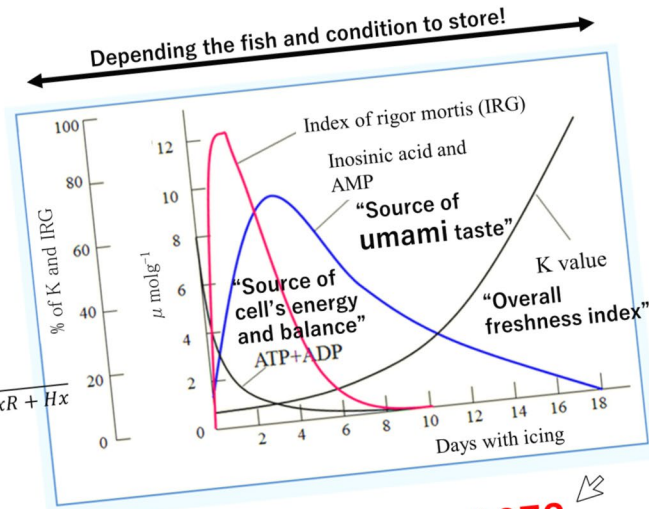
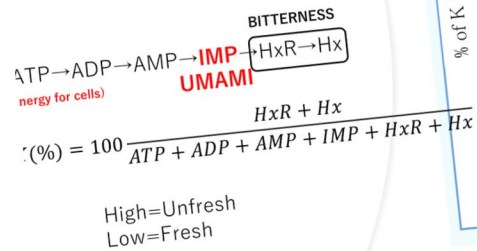


- A variety of stakeholders along distribution channels from model communities participated activities for exchanges



# Academic knowledges contributes to their value chain

Cooking has begun since right after your fishing!



NOGUCHI, 1972



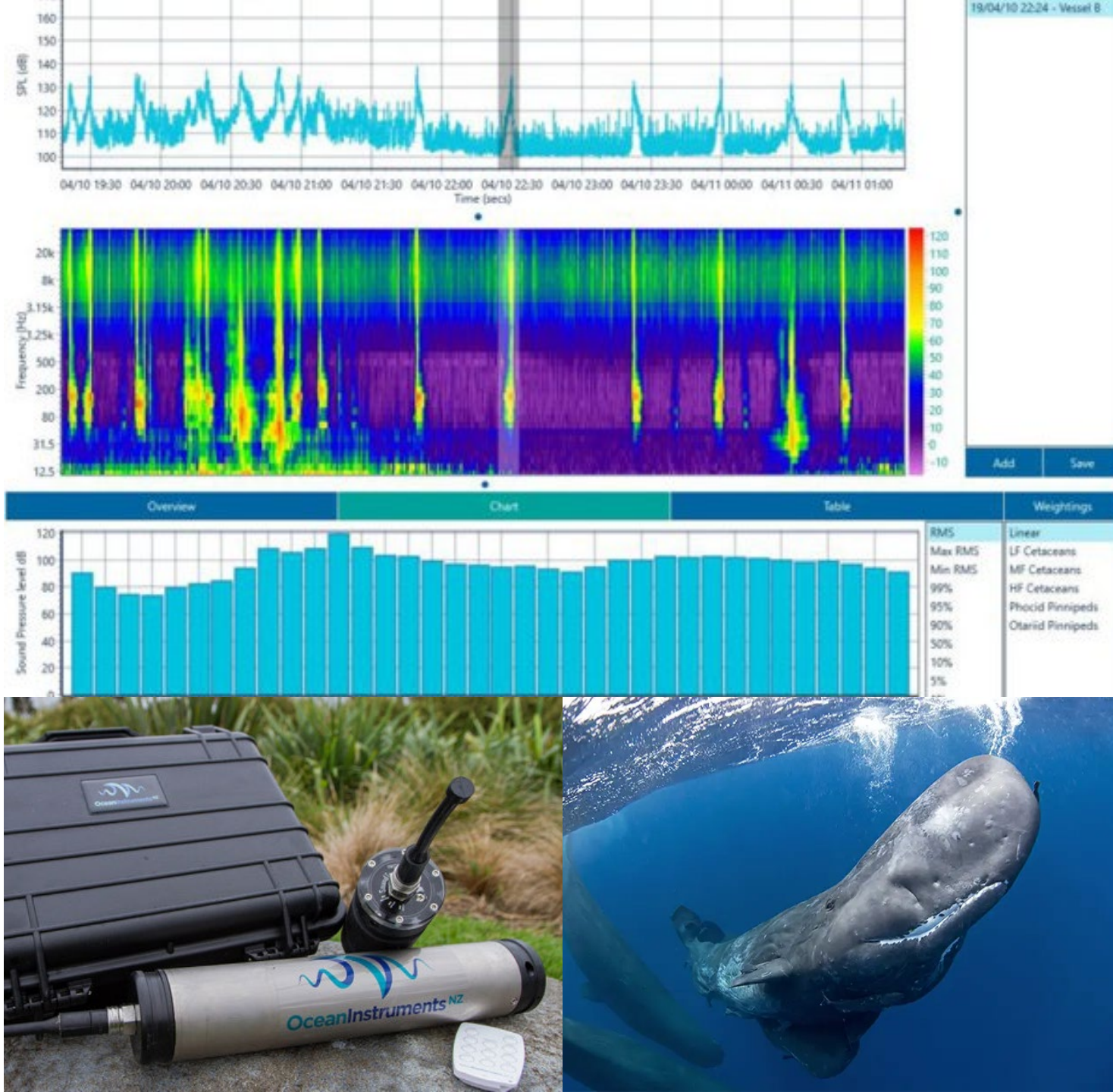




Find better  
relationship for  
recreational  
uses

# Talking to marine “colleagues” for future development

- From FY2023, experiment of the “sound trapping” method is beginning
- Potential application of citizen-science base monitoring is also investigated
- Keystone of the ecosystem need to be understood and cared from perspective of the fisheries sciences also





# Active year, 2023

- Finally established tight bond with model community
- Then many research-development activities are lunched
- A butch of outputs



Month	Activities for FY2024(Please list all the activities)
<b>April</b>	Annual activity confirmation, preliminary survey coordination and online consultation First on-site mission in 2023
<b>May</b>	First field mission in 2023: Survey of cage fishery resources
<b>June</b>	Reviewing the on-site mission and exchanging opinions among experts
<b>July</b>	MOL online meeting (JAPAN HQ) CPs visit, activity meeting Drafting and mutual confirmation of joint research agreement with University of Mauritius
<b>August</b>	Visit of CPs, activity meeting Conclusion of joint research agreement with University of Mauritius Start of development of application for dissemination Preparation and trial of other dissemination materials On-site survey design, team meeting
<b>September</b>	Preparation and testing of dissemination program materials
<b>October</b>	Preparation for the 2nd mission Draft "game" of resource management and cooperative fishing was completed Meetings for further activities
<b>November</b>	2nd on-site survey in 2023: Coastal environment and resource monitoring, Explanation of live-killing and ice-fixing experiments, technology transfer Experiment to increase added value of locally produced fish through cooking Inspection and advice on processing plants
<b>December</b>	Continuation of the second on-site survey in 2023: Kickoff of ecosystem survey in FADs Kickoff of seaweed specimen preparation activity with the University of Mauritius Experiment to increase added value of locally produced fish through cooking Collecting GIS database information (Invitation activities postponed)
<b>January</b>	Collecting information on activities to be disseminated and establishing a system Planning activities for the next year, including invitations
<b>February</b>	Prepare annual report materials Collect reports from the field (postponement of reports until next year due to proofreading) Monitor seaweed specimen collection and pictorial book creation activities
<b>March</b>	On-site report meeting, planning and consensus building Start of improvement of dissemination tool as an application Confirm and share activity results among members, compile information for the faculty meeting in April of the next academic year, submit annual report to committee in May, and disseminate information together with the on-site report meeting information in 2024



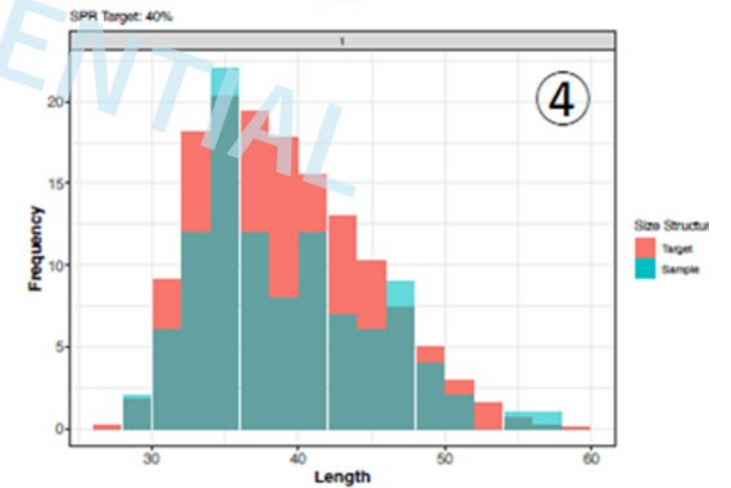
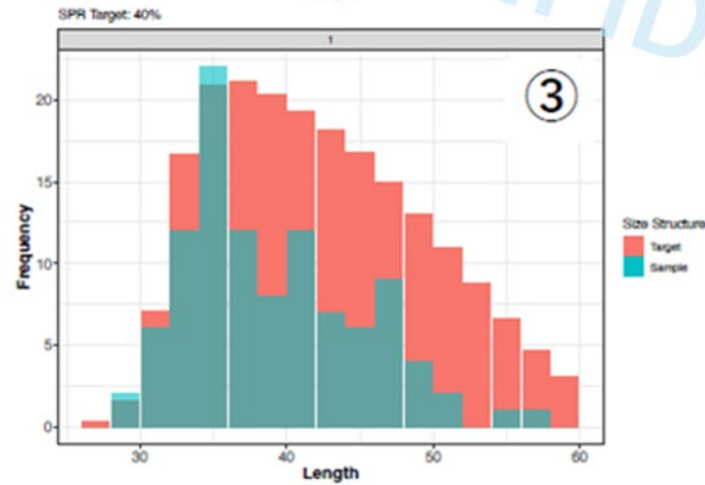
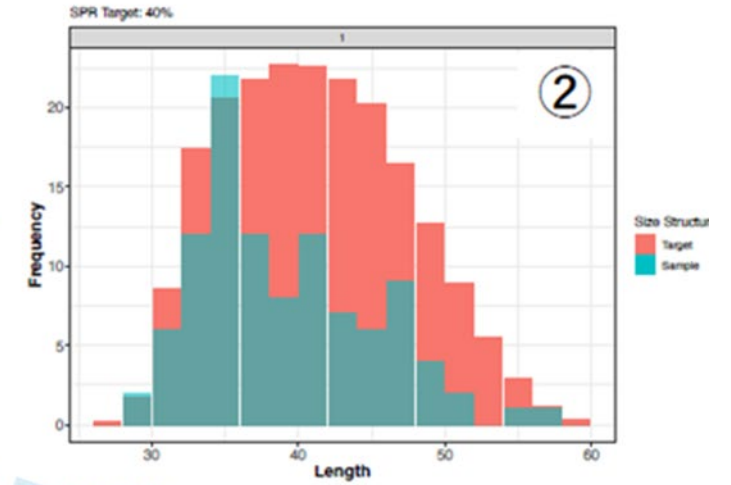
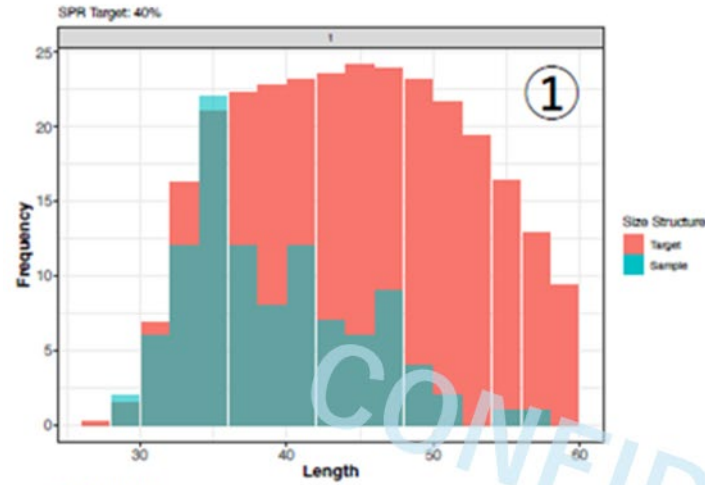
# Some statistics

- Meetings: >14 technical workshops with stakeholders (total >124 participants), 3 academic sessions with 7 lectures in University of Mauritius
- 3 young locals has been practically trained
  - Cooperatives and policy development for guidance of stakeholders]
  - Marine resource uses and monitoring
  - Tourism with marine ecological knowledges
- Publications:
  - 2 theses done, 1 thesis is ongoing
  - 3 Manuscripts are ongoing
- In June and September 2024, presentations with Mauritian researchers
  - Symposium are planned to be held in September





Significant  
results and  
suggestive  
discussions



KAWAMOTO, 2024



# Toward FY2024 Activities

- We were able to confirm an increased awareness of participation, with suggestions from local counterparts and active communication, consultation, and planning for FY2024.
- We continue to work to “materialize” a new, comprehensive fisheries socio-economy development model
  - Both conceptual and QUANTITATIVE



# For further information

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<https://www.facebook.com/blue.frontier.hu>

