

## **Employing a Feasibility Study as a tool for Establishing a Regional Biobank of High Risk Biological Agents and Emerging Dangerous Pathogens**

The project seeks to improve biobanking of high risk pathogens while recognizing the right for security and health, without compromising legal, social, ethical and/or ethnic boundaries.

Implementing Organizations / Country : Philippines and Singapore

Project Lead : Plebeian Medina (*Philippines*)

Co Lead : Raymond Valentine Lin Tzer Pin (*Singapore*)

### **Objective**

Determine the feasibility of establishing a regional biobank facility for high risk and emerging dangerous pathogens.

### **Activities**

#### **2021 1<sup>st</sup> Quarter**

##### **Coordination and planning**

Compliance to administrative requirements

Project planning and coordination with the ASEAN secretariat,

Meeting with Singapore Co lead country for planning and strategy,

Communication with RITM management about the project and

Coordination with the foundation who could offer complete project development management

#### **2021 2<sup>nd</sup> Quarter**

Target / Deliverable : **Completion of the Project Team compose of the following:**

1. 1 Project Lead (Philippine)
2. 1 Co Lead (Singapore)
3. 3 Project Lead Consultants
4. 5 Lead Advisers
5. 10 ASEAN representatives
6. 4 RITM BRMO Committee Representatives
7. 2 Contractual Employees (SG 15)
8. 2 Project Organizers
9. 1 Project Assistant / Admin Aide
10. 1 Foundation who offers complete project Development Package

Activities :

I. Drafting TOR, agreements, contracts, qualification standards and other related legal documents, scope and recommending approval, and defining the necessary qualification for the Project Team

II. Meeting with the the lead consultants to discuss the project framework, structure, objectives, procedures, defining scopes and limitations and finalization of the timelines

III. Invitation of International Biobank and biosecurity experts who will serve as consultants for the project

IV. Invitation of feasibility study participants (ASEAN representatives)

V. Screening and hiring of employee (Project Development Officer and Senior Science Research Specialist) / contract will start on June 15, 2021

VI. Contract / Agreement / Commitment signing for employee and consultants, participants

## **2021 3<sup>rd</sup> Quarter**

Target / Deliverable : Creation of Official Feasibility Study Tool and Guide

### Activities

#### I. 1<sup>st</sup> ASEAN Regional Meeting and Consultation

- a) Understanding Biobanks, Biobanking and its role for high risk Pathogens
- b) Establishing the need for biobanks and biobanking
- c) Biobanks around the world
- d) Biosafety and Biosecurity Implications of Biobanks
- e) How to conduct a feasibility study
- f) What to we need to include in a biobank feasibility study
- g) Reference to use for conducting biobank feasibility study

#### II. Regional Workshop I

- a) To draft the feasibility study tool (questionnaires and feasibility study guide)

#### III. Consultation Meeting (consultation with International biobank and biosecurity experts)

- a) To finalize the feasibility study tool and discussion guide (developed during the first regional workshop)
- b) Ensure the clarity of Feasibility Study Tool (questionnaires and study guide)
- c) Discuss how to conduct the feasibility study

#### IV. Regional Workshop / Writeshop II

- i. Data gathering, analysis and evaluation

## **2021 4<sup>th</sup> Quarter**

#### V. Regional Workshops

Target : Prepare Feasibility Study Report

- a) Regional Workshop / Writeshop III
  - i. Data gathering, analysis and evaluation
- b) Regional Workshop / Writeshop IV  
Preparation of Feasibility Study Report

## **2022 1<sup>st</sup> Quarter**

Target: Final Feasibility Study Report

#### VI. Consultation Meeting (consultation with International biobank and biosecurity experts)

- a) Presentation of Initial result and consultation with International biobank and biosecurity experts
- b) Gathering final comment and recommendation from International biobank and biosecurity experts (consultants)

#### VII. Project Lead Meeting

Drafting of Feasibility Study Result

#### VIII. Project Lead Meeting

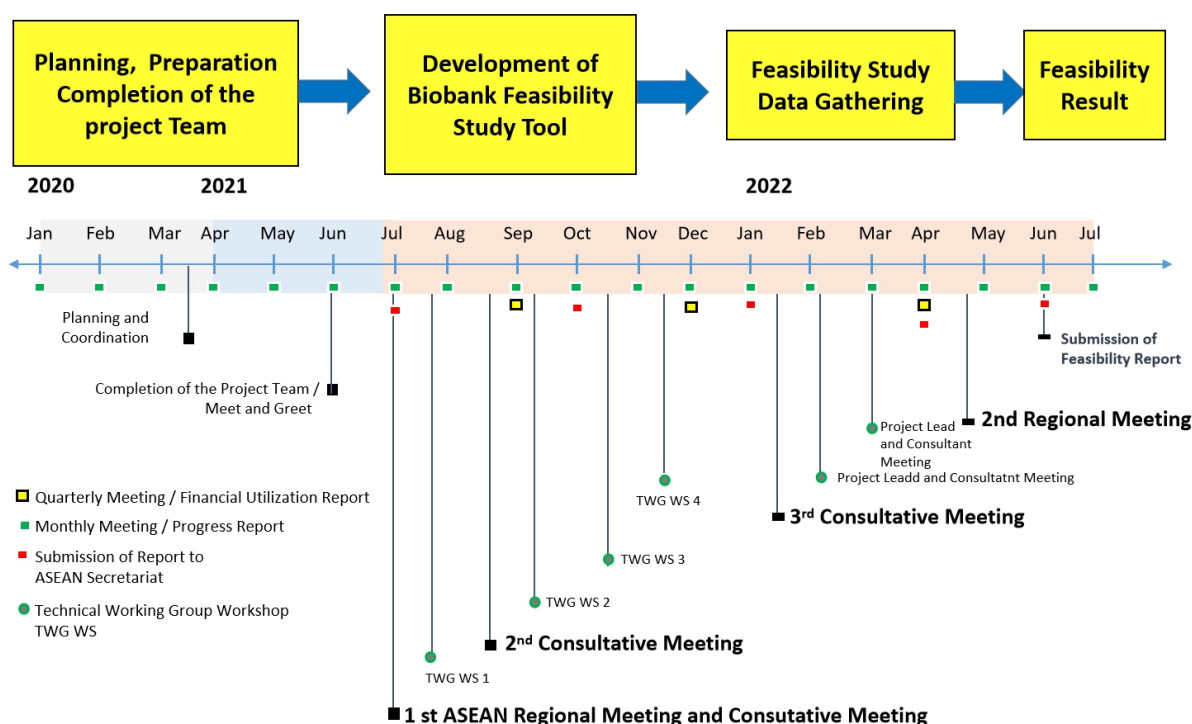
Finalization of Feasibility Study Result

## **2022 2<sup>nd</sup> Quarter**

#### IX. 2<sup>nd</sup> ASEAN Regional Meeting and Consultation

- a) Presentation of Feasibility Study Result
- b) Submission of Feasibility Study to GPP Canada Secretariat

## Project Timeline



## Monitoring and Evaluation Arrangements

Monitoring and evaluation shall be carried out by the Project Management Team (Foundation) and the Biorisk Management Office of RITM through the hired contractual employees.

Monitoring will be conducted at least quarterly through project management review meeting. Written reports submitted to GPP Canada, through the secretariat.

## Deliverable

See the attached deliverable for 2021 quarter 2, 3 and 4 and for 2022 quarters 1 and 2

## Budget

I. Program / Activity Cost	CAD
A. Communication, transportation and meal allowance	21,000.00
B. Equipment and supplies	5,675.45
II. Operational Cost	
C. Personnel (2 SG 15 employees)	28,800.00
D. Professional Fee / Consultants / Advisers	58,100.00
E. Administrative	8,750.00
III. Contingency Fund (10% of the program cost)	2,307.60
<b>OVERALL TOTAL</b>	<b>124,993.00 CAD</b>

## Project Composition

Implementing Country	:	Philippines and Singapore
Foundation	:	Field Epidemiology Training Program Alumni Foundation (FETPAFI) <i>See attached business profile</i>
Project Lead	:	Plebeian Medina ( <i>Philippines</i> ) Biorisk Management Office Research Institute for Tropical Medicine Department of Health - Philippines
Co Lead	:	Dr. Raymond Valentine Lin Tzer Pin ( <i>Singapore</i> ) Director, National Public Health Laboratory National Centre for Infectious Diseases Ministry of Health, Singapore

Lead Consultants  
from the *International Society for Biological and Environmental Repository* (ISBER)

Lead Consultant 1	:	Dr. Zisis Kozlakidis ( <i>see CV</i> )
Lead Consultant 2	:	Dr Deborah Leiolani Garcia ( <i>see CV</i> )
Lead Consultant 3	:	Dr Lo Hong Cheong ( <i>see CV</i> )

Lead Adviser 1	:	Dr. Amado O Tandoc III, MD, FPSP Laboratory Research Division, Chief Research Institute for Tropical Medicine Department of Health - Philippines
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Lead Adviser 2	:	Mr. Alan B. Calaor <i>Previous head of the Special Pathogens Laboratory and Rabies Research Laboratory, Research Institute for Tropical Medicine, currently working as Microbiologist and Researcher in Florida (see CV attached)</i>
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Lead Adviser 3	:	Dr. Phyu Sabai Biosafety specialist <i>from the National University of Singapore</i>
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Lead Adviser 4	:	Dr. Viji Vijayan Research Operations, Safety and Central Procurement Duke-NUS Medical School   8, College Road Singapore 169857
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Lead Adviser 5	:	Identified, <i>to be confirmed</i>
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ASEAN representatives	:	1. <i>Brunei Darussalam</i> 2. <i>Cambodia</i> 3. <i>Indonesia</i> 4. <i>Laos</i> 5. <i>Malaysia</i> 6. <i>Myanmar</i> 7. <i>Philippines</i> 8. <i>Singapore</i> 9. <i>Thailand</i> 10. <i>Vietnam</i>
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#### RITM Representatives

Biorisk Management Committee :  
1. Catherine Ann Pi Sacopon (NTRL)  
*(BRMO Committee Deputy Chair)*  
2. Catherine Calzado, (Virology)  
3. Alexander Sadiasa (Microbiology)  
4. Dave Tangcalagan (Parasitology, SPL second-line responder)

Contractual Employees : Two Science Research Specialist II (SG 15)  
*(to be hired)*

BRMO Project / Session Organizer :  
1. Abigail Padua Miranda, *(BRMO)*  
*(IFBA Biosecurity Certified Professional)*  
2. Michelle Casagan-Tannagan, *(BRMO)*  
*(IFBA Biosecurity Certified Professional)*

Project Admin Assistant : 1. Randy Olpindo , *(BRMO)*

#### Biobank Feasibility Study Coordination Mechanisms and Reporting Line

