MEMORANDUM OF AGREEMENT

This Agreement executed and entered into this 25th day of November 2023 by and between

SAINT MARY'S UNIVERSITY, a non-stock, non-profit educational institution with SEC registration no. 3947, with office address at BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES represented herein by its President, DR. JOHN OCTAVIOUS S. PALINA herein referred to as SMU;

and

KALAHAN EDUCATIONAL FOUNDATION INC., a non-stock, non-profit association with SEC registration no. 53720, with office address at IMUGAN, STA. FE, NUEVA VIZCAYA, PHILIPPINES, represented herein by its Executive Secretary, MR. SAMUEL G. BALINHAWANG herein referred to as KEF.

WITNESSETH

WHEREAS, SMU is envisioned as a premier CICM Catholic educational institution drawn into communion by the Wisdom of God, dedicated to forming persons exemplifying excellence, innovation, and Christ's mission;

WHEREAS, KEF envisions a self-reliant and sustainable community committed to protecting the total environment and promoting cultural integrity with a mission to promote the economic, physical, mental, social, political, moral and spiritual development of the indigenous people within the Kalahan Reserve;

WHEREAS, SMU and KEF have discussed matters of mutual interest and have agreed to work for the benefit of the organizations, their clients and members and the communities they serve;

NOW THEREFORE, and in consideration of the above-mentioned premises and mutual covenants, terms and conditions hereinafter specified, the parties hereto agree to jointly undertake an educational partnership as follows:

- 1. That the parties shall do the following tasks:
- 1.1 Jointly develop and agree on specific projects, for the pursuit of, but shall not be limited to:
- 1.1.1 Research projects (biodiversity, environmental health, natural products,
- 1.1.2 Community extension services (mobile laboratory, lectures, trainings
- 1.1.3 Exchange of academic data and information;
- 1.1.4 Conduct of special projects beneficial and agreeable to the parties;
- 1.1.5 Fieldwork/internship activities of undergraduate and graduate students
- 2. That each specific area of cooperation and the terms under which such cooperation shall be implemented, shall be covered and specified under a separate written agreement, duly signed by the parties' authorized

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representatives and correspondingly approved in accordance with the necessary approval procedures;

- 3. That the parties to this agreement may collectively and/or individually seek financial assistance from international and/or local research and development institutions or funding agencies for the implementation of collaborative activities which are of joint knowledge and are mutually beneficial to the parties and which are consistent with the parties' respective mission, goals, and objectives;
- 4. That SMU shall undertake for its own account the following tasks:
 - 4.1 Make available its qualified faculty members and experts as teachers, resource persons, seminar speakers, trainers, consultants, etc. In the relevant programs of cooperation entered into the KEF;
 - 4.2 Payment of salaries and other forms of remuneration, and all other related costs that shall be attributed to the utilization of faculty members and experts from SMU in the relevant programs of cooperation entered into with KEF;
 - 4.3 Arrange and/or make provision for venues, equipment, library facilities, laboratory facilities, information technology and other facilities as may be required in the administration of the relevant programs of cooperation entered into with KEF;
 - 4.4 Always coordinate and seek guide from the KEF in every field activities of whatever nature conducted within the boundaries of the Kalahan Reserve.
- 5. That KEF shall undertake for its own account the following tasks:
 - 5.1 Make available its qualified faculty members and experts as teachers, resource persons, seminar speakers, trainers, consultants, etc. In the relevant programs of cooperation entered into with SMU;
 - 5.2 Payment of salaries and other forms of remuneration, and all other related costs that shall be attributed to the utilization of faculty members and experts from KEF in the relevant programs of cooperation entered into with SMU;
 - 5.3 Arrange and/or make provision for venues, equipment, library facilities, laboratory facilities, information technology and other facilities as may be required in the administration of the relevant programs of cooperation entered into with SMU;
 - 5.4 Permit and provide technical assistance to the field activities conducted by SMU within the boundaries of the Kalahan Reserve.
- 6. Property Rights and Privileges

That any or all research results, including patents, shall be the property of the parties, the share of each party to be mutually determined prior to commencement of any or all engagements. Neither of the parties shall use the name of the other nor any of its program participants in any announcements, publication, project proposals and the like, without prior consent by the other;

7. Exchange of Information

That any or all exchange of information contemplated by this Agreement shall be governed by specific non-disclosure arrangements;

8. Duration and Effectivity

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DATE: NOV 2 4 2023

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That this Agreement shall take effect immediately upon signing by the duly authorized representatives and shall remain in force for a minimum period of five (5) years and subject to renewal, upon the review and evaluation of the parties, unless otherwise earlier terminated for cause and in writing by any of the parties to this Agreement;

9. Modification of Agreement

That any or all modifications to this Agreement which may be required to meet or satisfy new circumstances and interests should be upon mutual consent of the parties, shall be covered by separate documents made available thirty (30) days prior to the affectivity of such, duly signed and approved by the parties' duly authorized representatives, and shall thereafter become integral part of this Agreement;

10. Termination of Agreement

That this Agreement may be terminated by any party by notifying the other in writing, at least ninety (90) days prior to the intended date of termination. All terms of contractual obligations shall remain in force and shall be deemed active and in effect immediately prior to the termination date.

IN WITNESS WHEREOF, the parties have hereunto affixed their signatures at the <u>DAGWEY HALL</u>, <u>BRGY. IMUGAN</u>, <u>STA. FE, NUEVA VIZCAYA</u>, PHILIPPINES, this <u>25th</u> day of <u>November</u>, <u>2023</u>.

SAINT MARY'S UNIVERSITY	KALAHAN EDUCATIONAL FOUNDATION
DR. OTHW OCTAVIOUS . S. PALLUA	
University President	KEF Executive Secretary
CTC No./ID No.	CTC No./ID No
Issued on	Issued on
Issued at	Issued at
EKSA L. CAJWAN Director, Center for Natural Sciences	Brgy. Bacneng BOT Representative
Deap, School of Health & Natural Sciences	Brgy. Baracbac BOT Representative

Dean, School of Graduate Studies

Dean, School of Graduate Studies

Dr. DARWIN DACUT

Director, Research Center

Director, Lingkod Maria Community
Development and Advocacy Center

TAMANX B BUGIFAG

Brgy. Imugan BOT Representative

CAPUTO C. PAGG

Brgy. Malico BOT Representative

Brgy. Sta. Rosa BOT Representative

Brgy. Sta. Rosa BOT Representative

SUBSCRIBED AND SWORN TO before me this _____of ___APR 7 1 2025 at Solano, Nueva Vizcaya, Philippines.

Doc. No. 361
Page No. 13
Book No. CCC | Series of 20, 25;

EPIFAND 19. CALIMA III Notarial Commusion No. 25-23 Notary Public Until 12-31-2025 SMU, Bayomborig, Nva. Vizcaya Roll of Attorney's No. 57855 IBP Lifetime, 1086895, 1/4/18; PTR No. 2962204, 12/19/2024



Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 1 of 12

NARRATIVE REPORT

SDG: 4, 11, 13, 15, 17

Title of Activity: Imugan Enviro-Culture Encounter

Date/Time: November 29-30, 2024

Venue: Imugan, Sta. Fe, Nueva Vizcaya

Organizers: CNS Biology Faculty and students

Objectives: This Imugan Enviro-Culture Encounter was guided by several objectives that include: enhancing understanding of forest ecosystems through direct observation, promoting awareness of indigenous communities' sustainable practices, and raising consciousness about biodiversity conservation. It also aimed to foster an appreciation for the cultural practices of the Indigenous peoples (Kalanguya); develop practical skills in field research and ecological documentation; inspire advocacy for environmental sustainability; and, support community education through the conduct of lectures and hands-on sessions for the students and teacher of Kalahan Academy.

Beneficiaries (if any): Junior High School students and teachers of Kalahan Academy, IMugan,

Sta. Fe, Nueva Vizcaya

Participants: CNS Biology faculty (Ms. Leeanna Alap, Ms. Vivien Almendra,

Ms. Gregg Austin Balanag, Mrs. Alicia Jubay, Mr. Jason Arnold Maslang and

25 BS-Biology students

A. Highlights of the Activity:

Saint Mary's University, as a Catholic University and a CICM institution, is committed to promoting a sustainable environment through environmental education. Thus, the University has invested in creating academic programs and community engagement activities to achieve such a goal. One of the curricular programs that serve as a forerunner in promoting a sustainable environment is the BSBiology program under the direction of the Center for Natural Sciences. The core and major subjects under the program provide the students the opportunity to learn *about* the environment, *in* the environment, and *for* the environment. Learning about the environment in the natural setting proved to be effective and meaningful. Students are given the opportunity to learn on site through field studies that are integrated in a number of subjects.

The two-day Imugan Enviro-Culture Encounter was an engaging field study aimed at highlighting the critical importance of biodiversity conservation. For students, studying



Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 2 of 12

pristine environments like Imugan is essential to understanding complex ecological interactions, assessing ecosystem health, and shaping effective conservation strategies. Beyond the ecological concepts learned in a natural setting, the enjoyment and awe of the beauty of the place, the encounter fostered meaningful engagement with the indigenous Kalanguya (IKalahan) community, whose sustainable practices and traditional ecological knowledge play a vital role in preserving Imugan's natural resources.

The academic community of SMU represented by the CNS faculty and students has demonstrated its support for community education by conducting lectures and hands-on sessions for the junior high school students and teachers of Kalahan Academy of Imugan, Sta. Fe. One-hundred (100) students and eight (8) teachers participated in the lecture sessions and hands-on activities provided by the SMU faculty and students through the Mobile Classroom Laboratory during the first day of the Enviro-Culture Learning Encounter.

In the evening of November 29, the SMU team and community members came together for a vibrant socio-cultural encounter. The event featured traditional dances, songs and traditions that highlighted the Kalanguyas'/Imugan heritage. The performances, led by the local residents created a sense of camaraderie and appreciation for the local traditions. The night ended on a celebratory note, reinforcing the connection between education and cultural preservation.

The second day was devoted to the immersion of students and the faculty in the forest ecosystem of Imugan. As an important academic activity, students were expected to accomplish a number of tasks relative to the competencies laid in the identified course syllabi. The immersion activity was facilitated by two local foresters who are serving as consultants in the Committee on Environment of the Kalahan Educational Foundation, Imugan. The students and faculty were introduced to the diverse flora and fauna of the place. The two resource persons highlighted the importance of ecological sustainability and explained how biodiversity is maintained in its ecosystem. An added highlight of the immersion activity was the visit to the demonstration farm where a funded project on seed banking of indigenous crop species is on-going. Through the brief lectures provided, the participants gained knowledge and insights on maintaining indigenous crop species in the ecosystem, traditional farming methods and other practices relative to sustainable farming.

Throughout the day, the participants engaged in reflective discussions about their experiences in the immersion activity. Majority of the students including the faculty expressed a newfound appreciation for the interplay between the natural environment and cultural heritage. It is with hope that the encounter will be inspired to adopt sustainable practices and actively contribute to the promotion of environmental sustainability.



	Document Code	EOMS-QAO-FO-010, Rev. 00
	Effectivity Date	2024/12/08
_	Page/s	Page 3 of 12

B. Summary of the Activity Evaluation

Day 1. (November 29, 22024) Mobile Classroom Laboratory

The activities held in Day 1 consisted of a brief opening program and briefing on the conduct of the Mobile Classroom Laboratory for the high school students of Kalahan Academy including their teachers. A total of ninety-two (92) students and five (5) teachers participated in the day's activities that included lecture sessions on the following topics: 1) Pteridophytes by Ms. Gregg Austin Balanag; 2) Bryophytes by Ms. Vivien Junelle Almendra, and, 3) Protozoa and Associated Diseases by Ms.Leeanna Alap. Practical work utilizing the microscope and basic laboratory procedure in preparing soil and water sample for microscopic examination were facilitated by both the Biology students and their faculty members. Educational games were also played by the students. A summary of the feedback of the beneficiaries is presented in the table below. As shown in the table, about 84% of the recipients/beneficiaries who were able to evaluate the activity expressed a very satisfactory experience with the services that were offered in the planned activity; only five (5) expressed a satisfactory overall experience. About 62% appreciated the usefulness of the activity as very satisfactory. Other items in said feedback survey form can be considered in the enhancement of future services that will be offered to clienteles.

	Ve	ery	Satisf	actory	Unsatisfactory	Very
	Satisfa	actory				Unsatisfactory
	N*	%	N*	%		
Product/Service						
Usefulness	20	62.5	12	37.5		
Quality	16	50	16	50		
Delivery	12	37.5	10	62.5		
-						
Representatives/						
Implementers						
Responsiveness	21	65.6	11	34.4		
Friendliness	24	75	8	25		
Preparedness	19	59.4	13	40.6		
Gender Sensitive	20	62.5	12	37.5		
Overall Experience	27	84.4	5	15.6		

^{*}The team was not able to get the feedback of the participants/recipients due to a remiss in the reproduction of documents.

Day 1. (November 29, 2024) - Socio-cultural sharing-learning.

The socio-cultural sharing learning held in the evening consisted of storytelling and conversations on Kalanguya social practices and traditions and their practices in



Γ	Oocument Code	EOMS-QAO-FO-010, Rev. 00
]	Effectivity Date	2024/12/08
	Page/s	Page 4 of 12

managing the natural environment as part of their culture. The traditional dances that the culture bearers performed with pride were heartwarming to witness. The performances of the community members and the students from SMU created a sense of camaraderie. The night's activity conveyed the importance of integrating cultural expression with academic activities to foster a sense of community and appreciation for heritage. The parties evidently enjoyed the socio-cultural sharing and the night ended on a celebratory note, reinforcing the connection between education and cultural preservation.

Day 2. (November 30, 2024) - Guided Forest Walk/Forest Exploration, Biodiversity Studies and other Field Tasks.

Day 2 was dedicated to immersing the students and faculty in the forest ecosystem of Imugan. The activity was facilitated by 2 experienced foresters, For. Tina Omas and For. Patricio Cosep II, as resource persons. The two professionals introduced to the participants the diverse flora and fauna of the place, highlighted the importance of ecological sustain- ability and explained how biodiversity is maintained within the ecosystem. The students including the faculty learned to identify native species, some of which are used in traditional medicine and food preparation. Following the forest exploration, the group visited local farms where the foresters discussed about traditional farming methods. The participants gained insights into how these practices contribute to biodiversity conservation, economic sustenance, and eventually, environmental sustainability. The two resource persons also discussed the importance of balancing traditional farming methods with modern techniques to address contemporary environmental challenges.

Throughout the day, participants engaged in reflective discussions about their experiences. Many expressed a newfound appreciation for the interplay between ecosystem conservation and protection and cultural heritage. By the end of the encounter, the participants were inspired to adopt sustainable practices and contribute to the preservation of nature and culture.

Overall, the Imugan Enviro-Culture Learning Encounter has provided an opportunity to combine academic learning, practical application, and cultural immersion, leaving participants with valuable knowledge and memorable experiences.

Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 5 of 12

B. Appendices

1. Attendance Sheet (scanned)

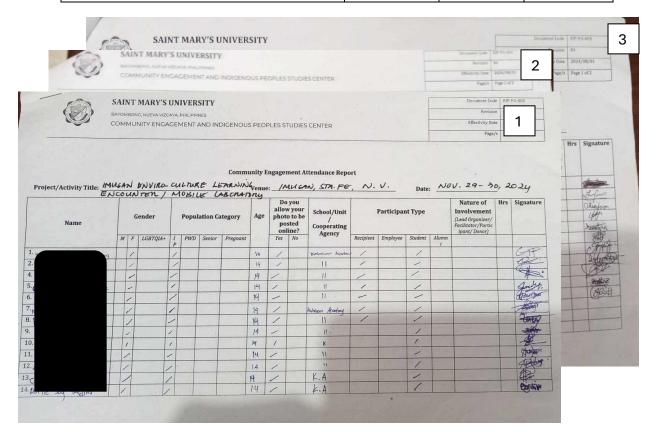
Summary of participants, beneficiaries/recipients of the Imugan Enviro-Culture Learning Encounter.

Implementers'/Extensionists' profile:

Category	Male	Female	Total
Faculty	1	4	5
Students	6	19	25

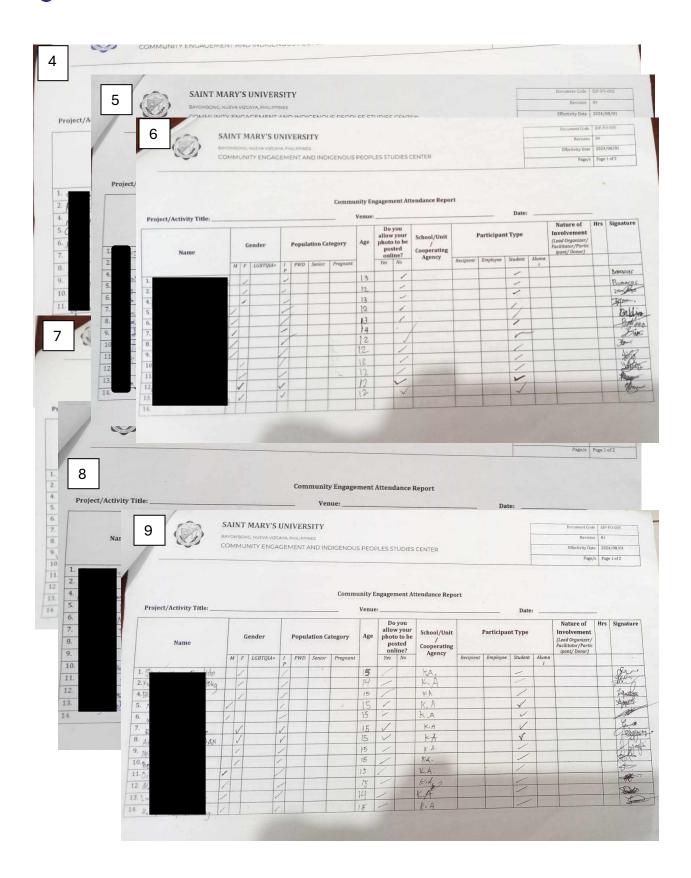
Beneficiaries/Participants' Profile

Category	Male	Female	Total
Community leaders/Culture bearers	6	1	7
Kalahan Educ'l Foundation Staff	2	1	3
Teachers (Kalahan Academy)	0	5	5
Technical Staff	0	3	3
Students	37	55	92
	45	65	110





Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 6 of 12



Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 7 of 12

2. Program of Activities





November 29, 2024

8:30 -8:45 AM - WELCOME REMARKS SMU FACULTY IMUGAN/KEF OFFICIALS

8:45 - 9:45 AM - LECTURE 1 GETTING TO KNOW IMUGAN

9:45 - 10:45 AM - LECTURE 2 BRYOPHYTRTES: MA'AM VIVIEN ALMENDRA PTERIDOPHYTES: MA'AM AUSTINE BALANAG

10:45 - 11:45 AM - BRIEFING FOR FIELD WORKS PRACTICAL WORKS/ FIELD ACTIVITIES FOR ECOSYSTEM STUDIES

LUNCH

1:00 - 1:30 PM - GROUPINGS AND ORIENTATION FOR MOBILE LABORATORY

1:30 - 4:00 PM - MOBILE LABORATORY PROPER TO BE ASSISTED BY BIOLOGY STUDENTS

4:00 - 5:00 PM - GAMES AND PRIZES DIMONO GAME AND STEREOGRAM

5:00 -5:30 PM - CLOSING REMARKS

SOCIOCULTURAL NIGHT AT 7:00 PM





IMUGAN ENCOUNTER (DAY 2)
CLOSING
November 30, 2024

7:30 - 8:00 AM - ASSEMBLY AND BRIEFING FOR FOREST WALK 8:00 -11:00 AM - FOREST WALK

LUNCH

1:30 - 2:30 PM - INTERACTIVE SESSION HUNTING, FORAGING, AND FARMING PRACTICES

2:30 - 3:00 PM - FIELD RESEARCH ACTIVITY SOIL WATER ANALYSIS 3:00 - 3:30 PM - REFLECTION AND GROUP DISCUSSION

3:30 - 3:40 PM - THANKSGIVING MESSAGE FOR THE COMMUNITY (SMU FACULTY)

3:40 - 4:00 PM - AWARDING OF CERTIFICATES
MA'AM AUSTINE BALANAG AND MA'AM ALICIA JUBAY

4:00 -4:30 PM - DEPARTURE

SOCIOCULTURAL NIGHT AT 7:00 PM

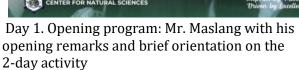


Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 8 of 12

3. Photo Documentation

Photos below showing activities accomplished during Day 1 (November. 29. 2024) Lecture sessions and hands-on activities facilitated by faculty and students.















Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 9 of 12





Day 1 (November 29, 2024): 6:00pm - 10:00pm - Socio-cultural sharing



Conversation with the IP elders/culture bearers





Kalanguya traditions and practices expressed through their dances





SAINT MARY'S UNIVERSITY

BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

INSTITUTIONAL DEVELOPMENT AND QUALITY ASSURANCE OFFICE

Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 10 of 12





★ BSBio 3 rendering a Christmas song



BSBio4 – dancing with the beat of the gongs



 Biology faculty learning how to play the djembe



Faculty members'turn to dance

Team SMU and Team Imugan

Day 2 (November 30, 2024) Guided Forest walk/exploration: Biodiversity study and indigenous knowledge and practices on natural resources conservation.



Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 11 of 12



CNS faculty with Forester Tina Omas in a discussion on indigenous practices in protecting and conserving forest resources



The Biology Forest Explorers





Forester. Tina Omas and Forester. Patricio Cosep delivering a brief lecture on preservation of indigenous crop species

Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
Page/s	Page 12 of 12



SMU-CNS Team @ IMUGAN ENVIRO-CULTURE LEARNING ENCOUNTER

Prepared by:

Alicia Z. Jubay Dr. Elsa L. Cajucom