



## FAMILY FARMING LIFESTYLE AND HEALTH IN THE PACIFIC

### D4.1: Report on first seminar at VARTC with 2 workshops (taking place in M18)

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**N.B:** the powerpoint and online presentations of this deliverable are available on the FALAH website: <https://falah.unc.nc/en/falah-events-presentation>

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## Report on first seminar at VARTC with 2 workshops (taking place in M18)

### METHODOLOGICAL ORIENTATION TEST - METHODOLOGICAL APPROACHES AND FIRST RESULTS

## 1. Summary

The document is the synthesis of the second FALAH seminar, organized at Port-Vila, Vanuatu, from 25 to 28 October 2022 by the joint teams of Vanuatu partners (Vanuatu agricultural research and technical Centre - VARTC and The Ministry of Education and Training - MoET). The seminar titled “**Methodological Orientation Test - Methodological Approaches and First Results**” took place over three days with two days of scientific presentations with 21 communications and one day of field trips around Efate Island. This seminar was preceded and followed by periods of preparation and training to local partners involved in the FALAH program. The 23-pages (and the 6-pages appendix) document outlines the work during, before and after the seminar. It covers the pre- and post-seminar components and is aimed at project participants and partners.

## 2. General introduction

### 2.1. Objectives of the seminar

The objectives of this seminar are, firstly, to find out how to collect information on WP2 on food and WP3 on health.

Secondly, it will be necessary to consider how to develop a common approach to combining information on these activities in order to meet the objectives of the FALAH project.

The first step will be to consider the initial results obtained by the teams in the field in Fiji, Vanuatu and the Solomon Islands.

To achieve these objectives, the seminar in Vanuatu, initially scheduled for April, was postponed to October due to the late opening of borders. It was therefore preceded by the June workshop in Fiji.

### 2.2. Preparation of the seminar

It was first necessary to prepare the contribution of the Ministry of Education and training (MoET) and the Vanuatu Agricultural Research and Technical Center (VARTC) teams so that they would work together in the organization of the seminar.

Despite the reversal of the timetable, the Vanuatu seminar followed on from the Fiji seminar, with the theme of "methodological orientation tests and the implementation of multidisciplinary approaches". The lack of fieldwork and exchanges between the teams meant that the initial results were not available.

The preparation of the seminar was done in several stages from July to September 2022. The preparations were carried out by **Prof. Jean-Marie FOTSING**, FALAH leader and scientific coordinator of the project (for Vanuatu in July, August and September) and by **Dr. Olivier GALY**, scientific co-coordinator and Work Package 3 manager (for the SINU team at the Solomon Islands National University in Honiara in September).

This work was presented during collective meetings and discussed with researchers present in Vanuatu and involved in research on agriculture and food.

Finally, field trips made it possible to identify the actors involved in agriculture and to define the points and stages of the field trip during the October seminar.

The preparatory meeting with the VARTC team was held in Santo with the participation of **Dr. Vincent LEBOT**, Research Director at CIRAD and scientific coordinator of the VARTC team, and team members **Ms. Juliane KAOH** and **Ms. Floriane LAWAC**, potential young FALAH doctoral researchers. One of the aims of the meeting was to define the doctoral research topics, draw up a travel schedule and set out the organizational arrangements for the seminar and participation in the FALAH-PIURN training sessions held in conjunction with the October seminar in Port-Vila.



Figure 1: MoET teams



Figure 2: VARTC teams

The three-day seminar provided an opportunity for presentations in the classroom, divided into sessions, be complemented by a day in the field trip, both in the urban and peri-urban areas of Port-Vila and in rural areas of the island of Efate. The seminar was preceded by two periods of preparation, the first in July and the second in September marked by training sessions for future doctoral students in the form of mini-seminars introducing them to research.

The preparatory work for the seminar was supplemented by visits to schools and farms by **Prof. Jean-Marie FOTSING** and **Mr. Pierre METSAN**. The purpose of these visits was to identify and select representative players and sites for the field trip on 27 October. Among the sites visited was the API Farm at Teouma Académie, an integrated agricultural complex that combines cultivated plots, temporary enclosures for small-scale livestock, natural areas with occasional fallow, poultry production areas and technical and living facilities in a relatively unspoilt natural environment with no use of chemical fertilisers or pesticides.

API Farm produces seeds and breeding chicks to supply small producers scattered across the islands of the archipelago. It has three employees, including a manager (**Mr. Pierre LECOEUVRE** in the centre of the photo) and two technicians. The FALAH leader and the focal point of the MoET team complete the photo on the left and **Prof. Jean-Marie FOTSING**.



Figure 3 : API farm (2 technicians, Mr. Pierre LECOEUVE, Prof. Jean-Marie FOTSING and Mr. Pierre METSAN)

The Vanuatu Scientific Seminar, which was held from 25 to 27 October 2022 at the National University of Vanuatu (NUV) campus in Port-Vila was initially planned as the first FALAH scientific event. It was postponed due to the closure of open borders in July 2022. Like the Fiji seminar which preceded it, its objective was to seek complementarities and convergences between Work Packages 2, 3 and 4 for the implementation of multidisciplinary through the activities of the FALAH program.

Then, the FALAH coordination team organized mini-training seminars for the teams in the design of individual research projects related to FALAH project at the National University of Vanuatu (NUV).



Figure 4: Mini-training seminar at the NUV



### 3. Seminar Report

The October seminar was preceded by preparatory meetings, meetings with institutions, specific training sessions in Vanuatu and the Solomon Islands and field visits.

#### 3.1. Opening ceremony

The seminar began with the opening ceremony, for which the participants were invited to the Malvatu Mauri by the chairman, **Chief Willie GRAY PLASUA**. The guests entered the hall to the rhythm of a dance performed to the sound of traditional songs.



Figure 5: Opening ceremony



Figure 6: Prof. Jean-Marie FOTSING (UNC), Chief Willie Gray PLASUA and Mr. Pierre METSAN (MoET)

**Chief Willie GRAY PLASUA** welcomed the participants, stressing the importance of traditional knowledge for agriculture and food security. A fine-sand drawing performance linking local practices and family farming was also presented.

**Professor Jean-Marie FOTSING**, scientific coordinator, reminded the audience of the history of the FALAH project and the importance of collaborative and multidisciplinary work, the place of Vanuatu in the preparation of the program, and the building of the partnership in articulation with the Master ADTO whose first class graduated in 2019 at the same time as the validation of the H2020 FALAH program.

**Professor Laurent SERMET**, Asia-Pacific Regional Director of the *Agence Universitaire de la Francophonie* (AUF), speaking from a distance, wished all the participants a successful workshop and reaffirmed the AUF's support in the Pacific, in particular for the National University of Vanuatu (NUV) and the other PIURN member universities, with the launch of the NERE NAHAL call for projects.

The ceremony continued with a speech by the President of the University of New-Caledonia (UNC), **Prof. Catherine RIS**, who emphasised the UNC's preeminent role in the construction, coordination and implementation of this major project for the Pacific region.

The Director of the IRD (Institut de Recherche pour le Développement) New-Caledonia, **Dr. France BAILLY**, and the Director of the IAC (Institut Agronomique de Nouvelle-Calédonie), **Dr. Laurent L'HUILLIER**, presented their institutions and their work in relation to the FALAH project.

Following these speeches, **Mr. Jean-Pierre NIRUA**, Vice-Chancellor of the National University of Vanuatu (NUV), declared that it was an honor to host the second FALAH delocalised workshop and welcomed all the partner institutions to the NUV.

**Mr. Gaston WADRAWANE**, New-Caledonian delegate to Vanuatu, stressed the importance of studying family farming and food security in the Pacific islands affected by climate change.

**Ms. Gwennan DELANNÉE**, Business Manager at the French Embassy in Vanuatu, reaffirmed France's support for this EU-funded project and for the strong cooperation between Vanuatu and France.

**Mr. Bergmans IATI**, Director General of the Ministry of Education and Training of Vanuatu, concluded the series of speeches with the recent creation of the NUV and its involvement in major scientific projects alongside regional and international partners.

The opening ceremony ended with a kava session for the guests at the Chiefs' Nakamal, followed by an official photo of the participants.

For the opening ceremony of the FALAH workshop, participants were invited to the Malvatu Mauri (Council of Chiefs) by the President, **Chief Willie Gray PLASUA**. He welcomed the attendees by highlighting the importance of traditional knowledge for agriculture and food security. A beautiful performance of sand drawing linking local practices and family farming was displayed.

**Professor Jean-Marie FOTSING**, scientific coordinator, reminded the audience the story of the FALAH project and the importance of collaborative and multi-disciplinary work. The Director for the Francophone University Agency (AUF) Asia Pacific, **Prof. Laurent SERMET**, wished all the participants a successful workshop and reaffirmed the support of the AUF in the Pacific, especially to the National University of Vanuatu (NUV) and to other PIURN Members Universities with the launch of the NERE NAHAL Call for Proposals.

The ceremony continued with the intervention of University of New-Caledonia (UNC) President, **Prof. Catherine RIS**, who underlined the preeminent role of the UNC in building this important project for the region. Research Institute for Development (IRD) New-Caledonia Director, **Dr. France BAILLY** and New Caledonia Institute of Agronomy (IAC) Director, **Dr. Laurent L'HUILLIER**, presented their institution and their work relating to the project.



Figure 7: Opening ceremony



Figure 8: Mr. Jean-Pierre NIRUA Vice Chancellor of National University of Vanuatu

Following these speeches, the Vice-Chancellor of the National University of Vanuatu (NUV), **Mr. Jean-Pierre NIRUA**, said it was an honor to host the second workshop and received all the partners institutions at NUV.

The Delegate of New-Caledonia in Vanuatu, **Mr. Gaston WADRAWANE** reminded the importance of studying family farming, food security in the Pacific Islands impacted by Climate Change and **Ms. Gwennan DELANNÉE**, Project manager at the French Embassy in Vanuatu, reaffirmed the support of France to this project funded by the European Union and the strong cooperation between Vanuatu and France. The ceremony was concluded by the General Director of the Vanuatu Ministry for Education and Training, **Mr. Iati BERGMANS**, who celebrated the implementation of the NUV and its participation in important scientific projects for the region. The opening ceremony ended with a kava session offered to the guests.



Figure 9: Mr. Gaston WADRAWANE, representative of the Government of New Caledonia in Vanuatu





Figure 10: Mr. Iati BERGMANS, General Director of MoET



Figure 11: Opening of the seminar and welcome ceremony

### 3.2. Scientifics presentations and communications

The scientific workshops, entitled "Methodological orientation test, methodological approaches and initial results", began in the afternoon with a presentation of the general program of the scientific days by scientific coordinators, **Prof. Jean-Marie FOTSING** and **Dr. Olivier GALY**.

#### 3.2.1. Session 1: Transversalities between WPs: methodological issues and pathways

##### 3.2.1.1. Introduction: Presentation of the integral program, importance of transversalities and spatialization

The first session focused on "Transversalities between WPs: methodological issues and pathways" start with a presentation of the Coordinators introduced FALAH workshop for three days and the importance of methodological orientation test bases on transversalities and spatialization. The workshop "**Methodological orientation test, methodological approaches and first results**" started with the first session on "Transversalities between Work Packages: Methodological issues and pathways".



Figure 12 and 13: Presentation of integral program of the seminar

### 3.2.1.2. Family farming produces in farmers plots and diets: toward a meaning and relevant typology of each country studied (Fiji, Vanuatu, Solomon, NC)?

**Doctor Séverine BOUARD** from the IAC presented the products of Family Farming in plots and farmers: towards a meaning and a relevant typology of studies in each country (Fiji, Vanuatu and New Caledonia). This introduction enabled participants to discuss the similarities and particularities of each of the FALAH project's research areas.



Figure 14 and 15: Similarities and particularities of each research fields of the FALAH project

**Mister Lino LINSARE** introduced participants to the National University of Vanuatu's digital research portal: <https://portal.univ.edu.vu/en/search>. This portal provides free access to research carried out in Vanuatu and brings together resources related to the country. He invited the audience to use and contribute to the portal.

### 3.2.1.3. Family farming and food supply to main markets in Santo

The presentation “Family farming and food supply to main markets in Santo” was presented by **Ms. Felicity NILWO ROGERS** (PhD student, MoET). This work done in WP2 Family farming shared advances on the first PhD year.

### 3.2.1.4. Nutrition and health methodologies in schools, communities in Solomons

The presentation by **Ms. Josephine MAELAU**, a PhD student at SINU, focuses on the health and nutrition challenges in the Solomon Islands (SI), particularly childhood stunting, wasting, underweight indicators, and adult obesity. The study stands out for its focus on evaluating nutrition transition and diet quality among indigenous populations.

The study uses an observational mixed-method cross-sectional design, collecting both qualitative and quantitative data from primary household cooks aged 15-50 and all household members at three geographically distinct sites across the SI. Data collection tools include focus group discussions, 24-hour

dietary recall method, anthropometric measurements, and a nutrition questionnaire. Researchers are trained to ensure consistency and accuracy in data collection procedures.

The protocol of the study emphasizes ethical considerations, data collection methods, and analysis techniques. Ethical clearance is obtained from relevant authorities, and consent is sought from provincial Health directors and village chiefs. Data are analyzed using statistical software like IBM SPSS, Tableau, RStudio, Xyris FoodWorks for quantitative analysis, and NVivo for qualitative analysis.

In conclusion, the presentation underscores the importance of robust research methodologies and protocols to address the SI's health and nutrition challenges. The insights gained can help develop evidence-based interventions and policies to enhance the well-being of the population.

### **3.2.1.5. Presentation of the National University of Vanuatu Digital Research Portal**

The presentation "Presentation of the National University of Vanuatu Digital Research Portal" was presented by **Mr. Lino LINSARE** (NUV).

On the occasion of the launching of the Digital Research Portal (DRP) of the National University of Vanuatu (NUV) at the FALAH Workshop 2022 in Vanuatu, we were asked to talk about this documentation platform and its contribution to research in Vanuatu.

Initially, **Mr. Lino LINSARE** presents the "when" and "why" this documentary database was created, and how it is still useful for students and researchers in the absence of a university library providing documentation. He adds that this platform is multidisciplinary and promotes open science.

Secondly, he explains how it works. How to access the resources, how to register for free access, the OAI-PMH standard integrated into this platform for data collection from other platforms complying with this standard. He also points out that researchers can deposit their research work here, as it is an open archive for scientific publications. He also explains how to find a resource. As far as users are concerned, he points out that anyone can register, but the main users are students and researchers with an interest in research in Vanuatu.

Lastly, it presents the DRP's resources. He gives the number of resources registered on the platform to date, and the types of documents such as articles, theses, book chapters, books, conference proceedings, journals or working papers. The "digital collections" are the result of harvesting data from open archives such as HAL, or Horizon Plains Texts, with researchers graciously sharing their research papers to contribute to the database.

To conclude his presentation, he gives his contact details for networking purposes with the researchers attending the FALAH Workshop.

### **3.2.1.6. Co-designing research priorities for Diet, lifestyle and climate with young people**

The session ended with the activity on *Co-designing research priorities for diet, lifestyle and climate with young people*, facilitated by **Pr. Corinne CAILLAUD**, **Dr. Krestina AMON** and **Dr. Rowena FORSYTH** from the University of Sydney.



Figure 16 and 17: Co-designing research priorities for diet, lifestyle and climate with young people activity

Three scenarios were presented, with questions relating to food security, nutrition and natural hazards for each scenario. Participants worked individually and in groups to compare their answers. This initial implementation of the activity will enable the University of Sydney to adjust the questions before starting work on the questionnaire for schools in the various FALAH project countries.

The session ended with an activity entitled "Co-designing research priorities for food, lifestyle and climate with young people," led by **Prof. Corinne CAILLAUD**, **Dr. Krestina AMON** and **Dr. Rowena FORSYTH** from the University of Sydney.

### 3.2.1.7. Reminder of secondment implementation, secondment logistics and next events PIURN and partnerships

The day ended with the presentation by **Ms. Mathilde SOUCHON**, PIURN Coordinator, on the partnerships and the possibility to source additional funding for the FALAH project.

The first day of the workshop ended with a cocktail reception hosted by the AUF.



### 3.2.2. Session 2: Ideas and methodology for building a collective, shared and relevant definition and issues of Family Farming in the Pacific

The second day of the workshop continued with the session "Ideas and methods for building a collective, shared and relevant definition and issues for Family Farming in the Pacific".



Figure 18: Participants in FALAH seminar

#### 3.2.2.1. Family farming in the Pacific: what does it mean? How to build a collective, shared and relevant definition of FF in the Pacific?

**Doctor Séverine BOUARD** (IAC), **Mr. Jonas BROUILLON** (IAC) and **Mr. Guillaume WATELLEZ** (UNC) led an activity on family farming in the Pacific: What does it mean? How can we build a collective, shared and relevant definition of Family Farming in the Pacific?

Participants were invited to connect to an application and answer several questions about Family Farming. A discussion followed on the definition of family farming for the FALAH project.



Figure 19 and 20: Co-designing research priorities for diet, lifestyle and climate with young people activity

#### 3.2.2.2. Family farming and fisheries in Solomon

The presentation "Family farming and fisheries in Solomon" was presented by **Mr. Jim DAMUSARU** (PhD student, SINU) was scheduled online but connexion was so bad that this presentation was not done.



### 3.2.2.3. Methodology for a scoping review of donor aid to support family farming and food security in the Pacific region



Figure 21: Presentation of Dr. Charles HAWKSLEY (UOW)

**Doctor Charles HAWKSLEY**, from the University of Wollongong, presented the methodology for examining the effects of donor aid to support family farming and food security in the Pacific region. This presentation provided the audience with a method for compiling an effective literature review.

### 3.2.2.4. Protocol Strengths weaknesses and resilience for FF and lifestyle in Pacific islands

**Doctor Olivier GALY**, UNC, presented the strengths, weaknesses and resilience of the protocol for family farming in the Pacific.



Figure 22: Presentation of Dr. Olivier GALY (UNC)

### 3.2.3. Session 3: Methods, timeline for research in schools, communities, students

#### 3.2.3.1. Methodological insights to understanding food production for Honiara Central Market and its relationship to food security and livelihoods

The third session of the day "Methods, chronology of research with schools, communities, students" began with a presentation by **Dr. Nichole GEORGEU** (WSU), on methodological approaches to understanding food production for the Honiara central market and its relationship to food security and livelihoods. In this presentation, she explained the method used to collect and analyse data on food products in the Solomon Islands.



Figure 23: Presentation of Pr. Nichole GEORGEU (WSU)

#### 3.2.3.2. Presentation and context of FALAH research fieldwork in Solomon Islands

**Mister Leeroy JOSHUA**, a PhD student at the National University of the Solomon Islands, sent an online presentation in which he presented and discussed Solomon Islands fieldwork as part of the FALAH workshop.



Figure 24: Presentation of Mr. Leeroy JOSHUA (SINU)

### 3.2.3.3. Methods, timeline for research with schools, communities, students

**Doctor Olivier GALY, Mr. Guillaume WATTELLEZ, Mr. Pierre-Yves LEROUX** from the UNC and **Mr. Jonas BROUILLON** (IAC) gave presentations on "Methods, research agendas with schools, communities and students, using the RedCap application".



Figure 25: Presentation of Dr. Olivier GALY, Mr. Guillaume WATTELLEZ, Mr. Pierre-Yves LEROUX (UNC) and Mr. Jonas BROUILLON (IAC)

### 3.2.3.4. Towards new methods for integrating Pacific Island community knowledge on nature and family farming into scientific studies – students

The session ended with a presentation by **Dr. Gilbert DAVID** (IRD), on "Towards new methods for integrating the Pacific Island Community's knowledge of nature and family farming into scientific studies".

The discussion that followed this workshop session enabled participants to share their personal methods for collecting and analysing data on Family Farming. These important results will help to build a collective and inclusive method for the FALAH project in the various workstreams.



Figure 26: Presentation of Dr. Gilbert DAVID (IRD)

### 3.2.3.5. PhD Poster Session

A poster session gave doctoral students and future doctoral students the opportunity to present their research work based on the posters produced during the training week on October 17 to 21. Discussions with the FALAH team were fruitful.

The posters presented were produced by **Mr. Filipe VEISA** (USP), **Ms. Jyoti PRASAD** (USP), **Ms. Adeline MWELEUL** (MoET), **Ms. Floriane LAWAC** (VARTC), **Ms. Julianne KAOH** (VARTC), **Ms. Ariane NALIUPIS** (INSPE), **Mr. Yane MELTETINEATH** (UNC), **Mr. Pierre METSAN** (MoET), **Ms. Annette THÉOPHILE** (INSPE) and **Ms. Marie TIMOTHÉE** (INSPE). The students were able to present their work and their interests to potential supervisors and experts from the FALAH team.



Figure 27 to 30: PhD students and expected PhD student posters

**Miss Marine MARTINEZ** (UNC), administrative and financial coordinator, recalled the administrative, financial and secondment aspects of the project, as the success of FALAH depends on the implementation of secondments.



Figure 31: Ms. Marine MARTINEZ (UNC)

#### **3.2.4. Session 4: Methodologies for understanding knowledge transmissions in agriculture, food habits and lifestyle**

The final session of the workshop focused on "Methodologies for understanding knowledge transmission in agriculture, food habits and lifestyles".

##### **3.2.4.1. The SPAR protocol: "Indigenous Knowledge, Practices and Resilience in the Pacific" (SPAR-Pacific) Pacific Islands University Research Network Grant**

**Doctor Olivier GALY** (UNC), presented the SPAR "Indigenous Knowledge, Practice and Resilience in the Pacific" SPAR-PACIFIC protocol, a project that has developed integrated tools and methods for interrogating indigenous practices and knowledge impacted by the environmental and socio-economic context.



#### 3.2.4.2. The use of cultural practices to enhance students' performance in Mathematics: Implementation and assessment of a pedagogical experiment on sand drawing



Figure 32: Mr. Pierre METSAN (MoET)

**Mister Pierre METSAN**, a doctoral student at the UNC, presented his research on the use of cultural practices to improve pupils' performance in mathematics: implementation and evaluation of an educational experiment in sand drawing, linking traditional knowledge to contemporary challenges.

#### 3.2.4.3. Challenges, capacities and vulnerabilities to face climate change: The contribution of local knowledge and the exchange of knowledge, know-how and life skills with New Caledonian and Vanuatu residents who grow food products

The session concluded with **Ms. Lucie GOSSET**, a doctoral student at the IRD, presenting "Challenges, capacities and vulnerabilities in the face of climate change: the contribution of local knowledge and the exchange of knowledge, know-how and life skills with the inhabitants of New Caledonia and Vanuatu who grow food products". This presentation enabled participants to discuss traditional knowledge and their involvement in the FALAH project.

On this last day of the seminar, two presentations were given in addition to the scientific workshops.

#### 3.2.4.4. Scientific activities at USP related to the FALAH project

**Doctor Poonam SINGH** and **Dr. Franck THOMAS** presented the scientific activities at the USP related to the FALAH project, in particular the food and lifestyle axis. The aim was to open up specific collaborations for the WP3 methodologies.

#### 3.2.4.5. Understanding lifestyle behaviours in the Pacific using human-centred artificial intelligence from activity sensors and digital nutrition tools

**Doctor Kalina YACEF**, University of Sydney, presented the launch of the Pacific Fund project: "Understanding lifestyle behaviors in the Pacific using human-centered artificial intelligence from activity sensors and digital nutrition tools". This will enable cross-functional support by sharing methods across all teams.

### 3.3. Fieldtrip

The third day of the seminar was devoted to a field trip organized by the FALAH teams in Vanuatu for all the participants. The tour began with a visit to the Port Vila market (stalls, kitchen, biogas chamber) to appreciate the diversity of agricultural products and the catering lifestyle.



Figure 33: Market in Port-Vila

Participants then visited the Coffee Tree, a restaurant that sources its food locally and works with local farmers. The restaurant manager explained how local produce from the rural areas of Efate and other islands of Vanuatu is sourced.



Figure 34: FALAH Participant at the Coffee Tree

The FALAH team then visited the Epauto secondary school in Port-Vila to meet the pupils and the headmaster and to visit the school garden.



Figure 35: Visit at Epauto Adventist Secondary school

They also visited the Lycée Catholique de Montmartre to see the school's community gardens, which are grown to produce some of the food for the pupils.



Figure 36: Visit at Montmartre catholic high school

The FALAH team rounded off the morning with lunch some forty kilometers north of Efate at the "Le Life" agro-tourism guest house.

Back in Port Vila, the participants visited the prisoners, who were working in the gardens to grow fresh food.

This enriching day ended with a cocktail reception organized by the MoET at Chantilly's on the Bay in Port Vila, during which a closing ceremony was conducted by the Vanuatu doctoral students, with local gifts presented to the participants.





Figure 37: National University of Vanuatu

## 4. Conclusion and Post-seminar

### 4.1. Conclusion

This seminar had a strong impact on academic community and local collaborators. Indeed, FALAH bring different expertise, tools, vision to bring support to a new university: The National University of Vanuatu and supported by the MoET. During this seminar, concrete actions were presented regarding tools, methods, approaches and vision used in different universities and can be developed in Vanuatu. Local teams seized the opportunity to propose and support future PhD students to embark in doctoral studies on FALAH topics and supervisors. This was considered as unique and stimulating opportunities that FALAH brings.

### 4.2. Post-seminar

The FALAH program's training sessions, designed to support third-country partners in building their skills, were organized and implemented in two phases: a local FALAH-Vanuatu phase (for the MoET and VARTC teams at the NUV) and FALAH-Solomon Islands (for the SINU team) and a regional FALAH-PIURN phase (NUV-UNC and USP, which ran from October 17 to 21, the week before the seminar).

The local FALAH-Vanuatu training took the form of introductory mini-seminars in July-August-September. The aim of these seminars, which were aimed at doctoral students and potential doctoral students from Vanuatu, was to provide them with training and support in the construction of their research project (with a view to their enrolment in the UNC-UPF doctoral school, at the USP or elsewhere) and to help the doctoral student and young researcher partners prepare their contributions to the October seminar.

The mini-seminars in Vanuatu were conducted under the responsibility of **Prof. Jean-Marie FOTSING**, assisted by **Mr. Pierre METSAN**, focal point of the MoET team, with the active involvement of **Dr. Vincent LEBOT**, Research Director at CIRAD and scientific coordinator of the VARTC team, and **Dr. Pascal MICHON**, Deputy Vice-Chancellor of the NUV.

Participants in the mini-seminars in Vanuatu also benefited from occasional talks and exchanges with senior researchers from the FALAH project who were on scientific missions in Vanuatu. These were **Dr. Gilbert DAVID**, Director of Research at the IRD, in charge of WP4; **Dr. Catherine SABINOT**, co-leader of WP2; and **Prof. Matthias KOWASCH**, co-leader of the Kula team and correspondent for FALAH partners on scientific visits to the University of Graz.

The FALAH-PIURN regional training course that preceded the scientific seminar took place at the NUV from October 17 to 21 at the NUV-AUF campus in Port-Vila. It was attended by around ten students and young researchers from Vanuatu (MoET, VARTC and NUV) and two students from the University of the South Pacific (USP). To support this training course, the French Embassy in Fiji and the French Embassy in Vanuatu agreed to cover the travel costs of the USP and the NUV students. However, due to unforeseen circumstances, only **Mr. Filipe VEISA** and **Ms. Jyoti PRASAD** from USP were able to travel to Port Vila and take part in the training sessions alongside the Vanuatu students.

Organised in the form of workshops for exchanges between researchers and students, the training led by **Prof. Jean-Marie FOTSING** and **Dr. Olivier GALY** was to focus on two themes: access to and use of spatialised digital data on the one hand, and the construction of scientific communication posters for students' doctoral research projects and work on the other. Priority was given to the construction of posters for obvious reasons of integration into the seminar program.

The sessions were supervised by **Mr. Rodrigues VIRELALA**, manager of MAMKAN DRAFTING & MAPPING SERVICES in Port-Vila, and **Ms. Lisa WACHOIMA**, an employee of INSIGTH (an innovative New Caledonian company and FALAH collaborator for training in the use of spatial data and remote sensing). These two geomatics supervisors are former ADTO Master's students, graduating in 2019 and 2022, respectively. The training workshops took place under the supervision of the FALAH partners present in Vanuatu: **Dr. Séverine BOUARD** (IAC), **Dr. Laurent MAGGIA** (UNC), **Dr. Pascal MICHON** (NUV), **Dr. Catherine SABINOT** (IRD) and **Dr. Gilbert DAVID** (IRD). The work produced by the students at the end of these courses was presented at the seminar during the poster session on October 26, 2022.

## 5. Communication on the seminar

All communications on this seminar were made through the usual communication channels of the H2020 RISE-FALAH 873185 project.

### FALAH website:

- [Opening ceremony](#)
- [Day 1 first workshops of the falah seminar in Vanuatu](#)
- [Day 2 of the seminar in Vanuatu](#)
- [Day 3 Seminar FALAH in Vanuatu](#)
- [Retrospective Seminar FALAH Vanuatu 2022](#)

### University of New-Caledonia website:

- [Rétrospective du deuxième séminaire scientifique délocalisé du projet RISE FALAH au Vanuatu](#)



Table 1: Facebook activity of October 2022

Hour of publication	Facebook link	Type of publication	Clicks	Other clicks	Views	Impression
10/24/2022 02:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid0zsnmf4pUWYNrnpMxPc1Jcq2zHp5ZSjSm9RyJYy2myzpztKJ8gANsvpD8Ptzrsy6Rl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid0zsnmf4pUWYNrnpMxPc1Jcq2zHp5ZSjSm9RyJYy2myzpztKJ8gANsvpD8Ptzrsy6Rl&amp;id=100068343970669</a>	Picture	44	21	23	437
10/24/2022 18:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid02VZiQdgKbK2kqVR6j1C2DdjFD6H4DwsrOdSn2uxB6NW8cyf7RDobAZwZdiBQsHFRVl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid02VZiQdgKbK2kqVR6j1C2DdjFD6H4DwsrOdSn2uxB6NW8cyf7RDobAZwZdiBQsHFRVl&amp;id=100068343970669</a>	Picture	424	242	182	4087
10/25/2022 04:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid02UyCq6sTunVtp7oSz6ebgFSTDznUVYHpKVZYKc95wjriZT2tBrL4jzVt96Psg3qmXl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid02UyCq6sTunVtp7oSz6ebgFSTDznUVYHpKVZYKc95wjriZT2tBrL4jzVt96Psg3qmXl&amp;id=100068343970669</a>	Picture	57	27	30	200
10/25/2022 16:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid02JNTfrpRS9p5bBTfBqfdY7kYYUoFoKpWC2Nt4ik5H1UGsGQkfqnGSH56WRPMJg7pl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid02JNTfrpRS9p5bBTfBqfdY7kYYUoFoKpWC2Nt4ik5H1UGsGQkfqnGSH56WRPMJg7pl&amp;id=100068343970669</a>	Picture	162	60	102	5793
10/25/2022 17:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid0zk323SbNkyZc7aiZL8D8JuzHCAV1eFvcKm1cJtfN6xYS69PiLU5d2w94XmJPsc5NI&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid0zk323SbNkyZc7aiZL8D8JuzHCAV1eFvcKm1cJtfN6xYS69PiLU5d2w94XmJPsc5NI&amp;id=100068343970669</a>	Picture	20	10	10	160

Hour of publication	Facebook link	Type of publication	Clicks	Other clicks	Views	Impression
10/25/2022 21:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid0S5Zuxzr2Ang1kRV4SCecjX9WzoUFUNRy1ItHP7dSQrTQLXf7m32qbWynni8ciC6zl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid0S5Zuxzr2Ang1kRV4SCecjX9WzoUFUNRy1ItHP7dSQrTQLXf7m32qbWynni8ciC6zl&amp;id=100068343970669</a>	Picture	173	104	69	5583
10/26/2022 15:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid024BEaH7EJ738HMoDfF1wfw9q7hHmEipYqqAux8BfCo9uAvG2rUuGmXcz9nSEmmukwl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid024BEaH7EJ738HMoDfF1wfw9q7hHmEipYqqAux8BfCo9uAvG2rUuGmXcz9nSEmmukwl&amp;id=100068343970669</a>	Picture	183	36	147	1233
10/26/2022 16:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid0uGtZp8UxcSW1sf4fRqymie5seBg8ZoqmcL7p8VuY8RXXunx6AhKEa1cdeCQzibQgl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid0uGtZp8UxcSW1sf4fRqymie5seBg8ZoqmcL7p8VuY8RXXunx6AhKEa1cdeCQzibQgl&amp;id=100068343970669</a>	Picture	88	34	54	867
10/26/2022 18:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid0dGVebFUrYRXjtQqao78swQxXn6JVhZFbt7DV7g16wXVUdoLtcGUsbj4A4mM1LT6dl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid0dGVebFUrYRXjtQqao78swQxXn6JVhZFbt7DV7g16wXVUdoLtcGUsbj4A4mM1LT6dl&amp;id=100068343970669</a>	Picture	42	12	30	296

Hour of publication	Facebook link	Type of publication	Clicks	Other clicks	Views	Impression
10/28/2022 04:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid0sSjjj8t2Ejg4Ks26xZxTe1ZvTnDGTwwq6jWuZMNWwLXH15PCtjDySba6LEREu9v1&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid0sSjjj8t2Ejg4Ks26xZxTe1ZvTnDGTwwq6jWuZMNWwLXH15PCtjDySba6LEREu9v1&amp;id=100068343970669</a>	Picture	6	6	0	175
10/13/2022 15:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid035kKE4unAvx5eIAf5sXf8W2ruMQgMwmXrePqwQa652hssLtaENEnK9rNaECNSmwZPl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid035kKE4unAvx5eIAf5sXf8W2ruMQgMwmXrePqwQa652hssLtaENEnK9rNaECNSmwZPl&amp;id=100068343970669</a>	Picture	62	40	22	651
10/20/2022 20:10	<a href="https://www.facebook.com/permalink.php?story_fbid=pfbid02fzrABtwuFJMmeDDipYLf6wD2XL4agt8UYxbWxLBMQSScc9YWfvb4E7oQzsvH5Rzyl&amp;id=100068343970669">https://www.facebook.com/permalink.php?story_fbid=pfbid02fzrABtwuFJMmeDDipYLf6wD2XL4agt8UYxbWxLBMQSScc9YWfvb4E7oQzsvH5Rzyl&amp;id=100068343970669</a>	Link	14	6	0	126

Table 2: Twitter activity of October and November 2022

Tweet ID	Tweet Link	Tweet	Hour of publication	Impressions
15851175 28455811 074	<a href="https://twitter.com/FALAHpacific/status/1585117528455811074">https://twitter.com/FALAHpacific/status/1585117528455811074</a>	This afternoon Expected PHD students are presenting their work and sharing with everyone attending the seminar. @ird_fr @unc_nc @moetvanuatu <a href="https://t.co/a1f7icLknh">https://t.co/a1f7icLknh</a>	2022-10-26 03:54 +0000	4.0
15850328 53091651 585	<a href="https://twitter.com/FALAHpacific/status/1585032853091651585">https://twitter.com/FALAHpacific/status/1585032853091651585</a>	First workshop of the day is about family farming and what does it means. @iac_nc @ird_fr <a href="https://t.co/ydc68fYma2">https://t.co/ydc68fYma2</a>	2022-10-25 22:17 +0000	2.0
15848510 05166190 593	<a href="https://twitter.com/FALAHpacific/status/1584851005166190593">https://twitter.com/FALAHpacific/status/1584851005166190593</a>	FALAH officially started today at the malvatu mauri ! Wonderful official opening ceremony with inspirational speeches. <a href="https://t.co/2g3tnZS3Oe">https://t.co/2g3tnZS3Oe</a>	2022-10-25 10:14 +0000	3.0
15848450 90597797 891	<a href="https://twitter.com/FALAHpacific/status/1584845090597797891">https://twitter.com/FALAHpacific/status/1584845090597797891</a>	Interview with Pierre Metsan agent at the minister of education in Vanuatu and PHD candidate at the University of New Caledonia.  What role does he have in the Falah project and what are his objectives? <a href="https://t.co/u6sTFz6RKa">https://t.co/u6sTFz6RKa</a>	2022-10-25 09:51 +0000	15.0
15847884 84715577 350	<a href="https://twitter.com/FALAHpacific/status/1584788484715577350">https://twitter.com/FALAHpacific/status/1584788484715577350</a>	Echange interactif avec les chercheurs présents conduit par l'Université de Sydney  Interactive session with the University of Sydney this afternoon <a href="https://t.co/sDPZCqNrbG">https://t.co/sDPZCqNrbG</a>	2022-10-25 06:06 +0000	14.0
15844811 72985634 817	<a href="https://twitter.com/FALAHpacific/status/1584481172985634817">https://twitter.com/FALAHpacific/status/1584481172985634817</a>	the team met the principal of Bougainville Highschool. They exchanged on the studies and projects they want to work on with the students and teachers when they will come back in June 2023. A meeting with the science department of the school is scheduled on 28th of October 2022. <a href="https://t.co/bOoks57wgS">https://t.co/bOoks57wgS</a>	2022-10-24 09:45 +0000	5.0

Tweet ID	Tweet Link	Tweet	Hour of publication	Impressions
15832933 61083281 410	<a href="https://twitter.com/FALAHpacific/status/1583293361083281410">https://twitter.com/FALAHpacific/status/1583293361083281410</a>	📢 Le programme du Workshop est disponible sur le site internet du Projet FALAH !! vu FR: <a href="https://t.co/a6QDhbNOo2">https://t.co/a6QDhbNOo2</a> --- 📢 The Workshop programme is available on the FALAH website !! vu EN: <a href="https://t.co/fAPF5L5ENI">https://t.co/fAPF5L5ENI</a>	2022-10-21 03:05 +0000	1.0
15806902 69967908 864	<a href="https://twitter.com/FALAHpacific/status/1580690269967908864">https://twitter.com/FALAHpacific/status/1580690269967908864</a>	FALAH's next event is coming up !D-10 before the Workshop!! Prior to the "Methodological orientation test, methodological approaches and first results" Workshop, PhD students from the Pacific will undergo a training session in Vanuatu with FALAH researchers, see program attached! <a href="https://t.co/B9D9iLgkC4">https://t.co/B9D9iLgkC4</a>	2022-10-13 22:41 +0000	3.0
15957574 12665155 584	<a href="https://twitter.com/FALAHpacific/status/1595757412665155584">https://twitter.com/FALAHpacific/status/1595757412665155584</a>	Last day of the Sydney FALAH week: The team ended the seminar with a kind gesture from The people of Tonga, and then went to the botanical garden to have a walk towards the Opera House to close it all. #Pacific #research #health <a href="https://t.co/k1EDgGa6LV">https://t.co/k1EDgGa6LV</a>	2022-11-24 12:33 +0000	5.0
15955559 28837074 945	<a href="https://twitter.com/FALAHpacific/status/1595555928837074945">https://twitter.com/FALAHpacific/status/1595555928837074945</a>	Day 4 of Sydney FALAH week Session about scoping and systematic review #Pacific #science #lifestyle #health <a href="https://t.co/nYsd8E9zNM">https://t.co/nYsd8E9zNM</a>	2022-11-23 23:12 +0000	2.0
15948690 20876242 944	<a href="https://twitter.com/FALAHpacific/status/1594869020876242944">https://twitter.com/FALAHpacific/status/1594869020876242944</a>	Don't hesitate to go on our website <a href="https://t.co/AQgjJ34TOJ">https://t.co/AQgjJ34TOJ</a> so you can follow the actuality of the Project FALAH, read all the articles and watch our videos on our social media	2022-11-22 01:43 +0000	3.0
15948342 51715076 096	<a href="https://twitter.com/FALAHpacific/status/1594834251715076096">https://twitter.com/FALAHpacific/status/1594834251715076096</a>	First day of presentations and workshops of Sydney FALAH seminar. <a href="https://t.co/ZzZwtmFi9">https://t.co/ZzZwtmFi9</a>	2022-11-21 23:24 +0000	2.0
15946526 19850809 344	<a href="https://twitter.com/FALAHpacific/status/1594652619850809344">https://twitter.com/FALAHpacific/status/1594652619850809344</a>	Smoking ceremony for the opening of the Sydney FALAH week! This week objective is to consolidate methodology, and have a better understanding of food system and food security in Melanesia. <a href="https://t.co/3Ez0oZreus">https://t.co/3Ez0oZreus</a>	2022-11-21 11:23 +0000	10.0



<b>Tweet ID</b>	<b>Tweet Link</b>	<b>Tweet</b>	<b>Hour of publication</b>	<b>Impressions</b>
15915773 22507096 064	<a href="https://twitter.com/FALAHpacific/status/1591577322507096064">https://twitter.com/FALAHpacific/status/1591577322507096064</a>	Interview with Nichole GEORGOU from Western Sydney University #WSU #farming #lifestyle #healthy <a href="https://t.co/UZxpoU47JG">https://t.co/UZxpoU47JG</a>	2022-11-12 23:42 +0000	5.0
15883311 45527455 746	<a href="https://twitter.com/FALAHpacific/status/1588331145527455746">https://twitter.com/FALAHpacific/status/1588331145527455746</a>	Interview with Pierre Metsan PhD candidate at the University of New Caledonia. What is his role and what are his objectives in Falah project? #ScienceTwitter #familyfarming #sustainability #agriculture #seminar <a href="https://t.co/ohbZvxsjci">https://t.co/ohbZvxsjci</a>	2022-11-04 00:43 +0000	15.0
15883241 53525870 592	<a href="https://twitter.com/FALAHpacific/status/1588324153525870592">https://twitter.com/FALAHpacific/status/1588324153525870592</a>	Day one Opening ceremony of the scientific seminar Projet FALAH #ScienceTwitter #familyfarming #sustainability #agriculture #seminar <a href="https://t.co/6puB94Vz3t">https://t.co/6puB94Vz3t</a>	2022-11-04 00:16 +0000	2.0