

## **FAMILY FARMING LIFESTYLE AND HEALTH IN THE PACIFIC**

### **GRANT AGREEMENT NUMBER 873185**

#### **DELIVERABLE D9**

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Methodological consolidation and tools for transversalities

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Dissemination Level		
<b>PU</b>	Public	<b>X</b>
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

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

## General Introduction

The third joint scientific event of the FALAH project was held at the University of Sydney from November 21 to 24, 2022. It was co-organized by the FALAH teams from the University of Sydney (USYD) and Western Sydney University (WSU) under the coordination of Professor Corinne CAILLAUD, head of the USYD team and focal point of the Australian teams and Dr Nichole GEORGOUS, FALAH WSU team manager. The Workshop Alimentation & Agriculture was mainly focused on Methodological consolidation and tools for transversalities between WP2 and WP3. The purpose of this workshop was to seek the links between the themes and to build the methodologies to be applied in the research fields of the Pacific island countries and territories.

This joint scientific event unlike the two that preceded it (Fiji and Vanuatu) was not carried out by a beneficiary country. In this particular context, it mainly brought together experts from the two multi-thematic WPs. Furthermore, unlike the other FALAH event, there was no training prior to the workshop and no field trip related to the themes of the project. So, the experts from the participating WPs have combined the methodologies developed and presented during the Fiji workshop and Vanuatu first seminar to make them available to the teams that will have to collect field data. More specifically, they worked on the design, development and elaboration of questionnaires integrated into the Redcap software.

The three-day workshop took place at the Charles Perkins Center (CPC), Camperdown-USYD. The scientific work was organized alternately between workshop sessions involving participants per WPs and presentation sessions and discussions open to all participants. The workshop presentations were complemented by a visit to the Chau Chak Wing Museum (on the Sydney campus) and a walk through the Sydney Botanical Gardens.

Two days prior to the Sydney Workshop (from November 18 to 21), meeting and consultations between researchers and WP managers were organized to finalize the seminar program, discuss scientific publication strategies and agree on the cross-cutting issues to be tested during the workshops.



Photo 1: Consultation prior to the workshop



Photo 2: Consultation prior to the workshop

## Communication on the workshop

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



Photo 3 : Prof. Corinne CAILLAUD (USYD)



Photo 4: Dr Nicholes GEORGEIOUS (WSU)



Photo 5 : group de participants

## WORKSHOP ALIMENTATION AND AGRICULTURE at USYD/WSU (Methodological consolidation and tools for Transversalities between WPs)

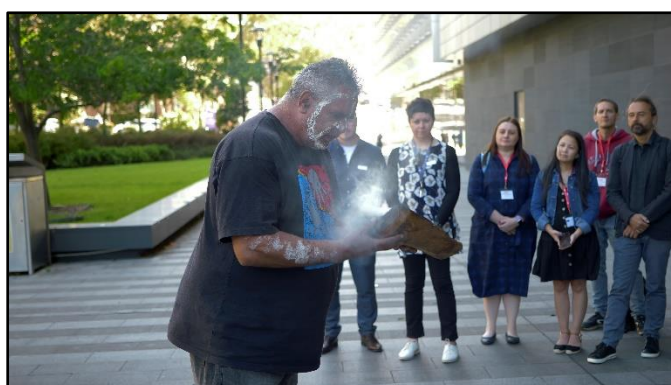
### Lay out of the Workshop

During the three days of the workshop, participants alternated between workshops grouping specialists by WP and general presentations, followed by discussions open to all participants. A visit to the Chau Chak Wing Museum (on the Sydney campus) and a walk through the Sydney Botanical Gardens complemented the workshop sessions.

### First day: Monday 21<sup>st</sup> November 2022

#### Opening ceremony

The opening ceremony at the Sydney scientific event took place in two stages. It began with the “Smoking ceremony and Welcome to country” in front of the CPC entrance hall with incantations and words of welcome to the community of researchers and partners from the Pacific Islands (Vanuatu, Fiji, *Tonga*, and *Papua New Guinea*), Germany and New Caledonia. The smoking ceremony was done by an Australian aborigine invited for this occasion.





This traditional welcome ceremony was followed by official words of welcome by Professor Stephen SIMPSON the Director of CPC, and Professor Jean-Marie FOTSING, scientific coordinator of the FALLAH project.



The workshop is organized in six sessions alternating presentations and working groups followed by discussions with two outdoor activities (OA):

- Session 1: Presentations 1
- Session 2: Workshop 1
- Session 3: Workshop 2
- Session 4: Workshop 3
- Activity with Chau Chak Wing Museum (OA1)
- Session 5: Workshop 4
- Discovering Sydney Garden (OA2)
- Session 6: Workshop 5

## Second day: Tuesday 22<sup>nd</sup> November 2022

### Session 1: Presentations 1 Overview of FALAH

#### 1.1 - Overview of FALAH – FALAH tools and methodologies: objectives for the week

The workshop was introduced by the joint presentation of three scientific leaders of the FALAH project. Professor JM FOTSING, scientific coordinator of the project, Doctor O. GALY, scientific co-coordinator and head of WP3 and Dr S. BOUARD, head of WP2.

This common presentation was structured around four main questions:

- 1) Reminder of the multi-disciplinary positioning of the project and the simplification of its structure around 2 multi-thematic and transdisciplinary WPs (WP2 and WP3);
- 2) The steps taken in terms of methodological advances since the work of the workshops and seminars in Fiji and Vanuatu (June and October 2022);
- 3) The steps to come, in particular the future agenda of joint activities from 2023 to 2025;
- 4) The promotion in the form of scientific publications of the work resulting from the FALAH workshops and seminars.

This presentation was followed by discussions with the participants in the CPC Seminar Rooms.



#### 1.2 - WP2: Family farming, food production and food security in the Pacific Methodological workshop Part 1: description of selected methodological tools

The presentation of this workshop was made by Dr Séverine BOUARD (IAC), Dr Séverine BLAISE (UNC) and Dr Arnaud PATCH (Kula ev.). They emphasized the implementation of transversal methods combining tools and applications in WP2 and WP3.



Dr Arnaud PATCH (Kula ev.) presented the qualitative approaches to be implemented in the project based on research in anthropology and their transfer to FALAH issues. These approaches are exemplified by the qualitative methods on climate change in Vanuatu.

How do populations adapt to climate change considered as “threatening food security”? One form of adaptation involves temporary migrations and changes in places of residence. Another results in the combination of several activities that involve agricultural work on nearby fields, salaried work in urban areas and the opening of bars in Kava at the end of the day.

This example of pluri-activity, despite the insufficient results from surveys carried out in the Siviri village, encourages continuing developing shared approaches involving other disciplines.

Dr Séverine BLAISE (UNC) in her presentation stressed the need to use macro-level data and information provided by three main sources: 1) the “World Development Indicators” (human development index, rate of openness, fertilizer consumption, etc.), 2) FAO data (food indicator), 3) ODA statistics (OCDE DAC) through Aid to agriculture, forestry and fish, food assistance.

Base on those sources, aid for agriculture is the lowest (minimal proportion compared to infrastructure) and it is difficult to define the share of aid for family farming in this aid for agriculture... Public policies and the importance of development aid... This general situation is the same at the national level since the States devote a very small share to agriculture.

Dr Séverine BOUARD (IAC), by way of conclusion, stressed the need for quantitative data in agriculture, particularly on production and trade in products. It is therefore necessary to collect and complete the existing data. We also need market data, hence the need to scale up to also collect global data on agricultural policies. For this, it is therefore necessary to identify the tools to be used together, to define the exploration sites on the different terrains in the Pacific countries concerned by the FALAH project.

Dr. Viliamu IESE (USP), for him, the benefit of FALAH is to build these shared and transversal tools, which can be beneficial to partners, and in particular, USH and its establishments in the 12 territories, the deployment of these transversal tools will be a palliative the lack of direct support for research activities not directly financed by EU funds.



### 1.3 - WP2: Family farming, food production and food security in the Pacific Methodological workshop Part 2: discussion and consolidation

The afternoon was devoted to group work under the supervision of Dr Séverine BOUARD, to share and enrich the methods of implementing transversalities on WP2. This work took place in three experimental workshops of 15 minutes around three themes: 1) Food production, 2) Market analysis; 3) Food security and aids policy.

These workshops, each made up of half a dozen participants, aimed to share fields of expertise, research interests and needs for adapting methods to the various fields of application. The information collected is stored on the "miro" application and WS participants will be able to complete it in the coming days if necessary.



### 1.4 - Funding opportunity RERIPA Call 3: “Living Labs for Innovative solutions to address Climate Change Impact in the Pacific”

**Financements : RERIRA** : call 3 : Living Labs for Innovative Solutions to Address Climate Change Impacts.

**APN** : Asia Pacific Network for Global Change Research (APN)

**MOPGA 2023** : Visiting Fellowship Program for Young Researchers (Make Our Planet Great Again)

**MSCA PFs** : Postdoctoral Fellowships 2023. Not yet open.

Ms. Mathilde SOUCHON, PIURN coordinator presented the PIURN and the associated financing possibilities. The next and fifth bi-annual conference will take place from July 4 to 6, 2023 in the Cook Islands on the theme “Sea of Islands”.



## Third day: Wednesday 23th November 2022

First sessions dedicated to WP3 methods and tools.

### 2.1 - WP3: Family farming practices in the Pacific: impacts on diets, lifestyles and health Methodological workshop

**Dr Olivier GALY** responsible for WP3 indicates the orientations of the session in connection with the previous session of November 22 devoted to WP2. He recalls the multi-thematic positioning of WP2 and the links with WP3.

From the 9 scientific questions of FALAH, it extracts the three main questions of WP3. Starting from the definition of "lifestyle" in the FALAH project, based on two elements: 1) physical activities (personal, domestic activities, mobility, occupation tasks, etc.), 2) diet – nutrition, 3) and their impacts on health and the well-being of the people. Consideration of spatial aspects (urban, rural environment) and human dimensions (individuals, families and communities).

Dr Juliana CHEN is invited to present the iRecall 24 App a digital nutrition application for Pacific Island, a tool intended to collect information on the foods consumed in the last 24 hours. Both the types and the quantities.

**Dr Olivier GALY** intervened again to complete the tools to be deployed to collect quantitative information. It also emphasizes the use of qualitative methods used by other partners and the need to combine them in this multidisciplinary project. The use of spatial data complements this information on activities, their intensities, locations, dynamics and flows, etc. A few exploration sites are indicated in NC, Fiji and Vanuatu.

**Professor Corinne CAILLAUD** intervenes to explain the continuation by the implementation of two scenarios, one on physical activities and the other on nutrition through two rotating workshops of 45 minutes each. It is a question of discussing the deployment of the tools and the level of precision to which we must arrive for the collection of the data.



## 2.2 - WP3: Tools, methods and metrics for a better understanding of food systems in Melanesia

The presentation of Professor David RAUBENHEIMER and Dr Olivier GALY on the "Food system" food system closed the end of the morning. Starting from the complexity of the FS with regard to the elements of its definition and the links with other concepts (food environment) which is important in the food system.

Dr Olivier GALY presented the second workshop at the end of the morning session. It consists of a questionnaire addressed to the experts of the countries in whose fields the quantitative and qualitative questionnaires will be deployed. The aim is to seek common points and especially the differences and specificities for the implementation of the transversalities expected in the project. This will be done in particular between WP2 and WP3. Four questions per WP, preceded by 3 general background questions on the country, gender and rank/status of the person answering the questionnaire.

Structured on the main questions of the FALAH program, the questionnaire designed in NC was refined and restructured during the first compatibility test in Vanuatu in October 2022. From a QR code, participants must answer specific questions on the meaning of the terms and understanding in the context of the participants' countries following a cross-sectional test.



### 2.3 - Digital technologies and artificial intelligence applied to the study of food intake and physical activity patterns in the Pacific



The afternoon session is devoted to tools and opens with the presentation of **Dr Kalina YOSEF** (USYD), and **Guillaume WATELLEZ** (UNC). What are we doing in this project: because the program already provides a lot of data due to its multidisciplinary program. Specialists in artificial intelligence and digital technologies can contribute to data collection, but also can help improve analysis methods. How to use these instruments in the FALAH program?

Connect and facilitate exchanges between disciplines by simplifying the understanding of masses of complex data. Example on the physical activity of an individual and the importance of the data collected by accelerometer.

The discussions that followed the presentation of the tools highlighted the need to take into account cultural elements and the socio-economic context and the level of family income. The situation in NC is not that of Vanuatu, nor in the Fiji Islands... It is therefore necessary to consider the adaptability of the tools to the various cultural and environmental contexts.

The question is: how do we want to have the data in the different territories or how to structure the database and simplify it in a meaningful and understandable way for the communities to which the data collection is addressed. Data collection and analysis tools must be built in a collaborative and inclusive framework. This posture requires the construction of inclusive methods.

### 2.4 - Pacific cultures from the Museum collections

The visit to the USYD Chau Chak Museum closed the afternoon of the second day of the seminar. Following a general presentation of the Museum and its activities, participants were invited to the exhibition hall to discover exhibits on the weaving of baskets from objects from the Pacific Islands.





## Fourth day: Thursday 24th November 2022

The morning was a little disrupted by the unpredictable evolution of the health situation which led to a delay in the start of activities.

### 3.1 - Session about scoping and systematic review - Several sessions in parallel

### 3.2 - Visit Sydney Botanical Garden



### 3.3 - Discussing with young people diets, physical activity and health: a co-design approach

Dr Nidhi WALI and Dr Nichole GEORGEOU made the first presentation from Western Sydney University (WSU). It focused on how to identify and map. “To map and review role of aid policies in food security/environment in the Pacific”.



This presentation is part of the continuation of the investigations carried out by Dr Séverine BLAISE with the desire to extend the work to Vanuatu and to involve other researchers. In the context of systematic reviews, it is necessary to agree on the commonly used vocabulary and its scientific meaning to deepen the research.

The rest of the work was done through discussions in individual workshops in four small groups: 1) Public policies and funding, 2) FALAF – CUP Christ's Church University in Pacific (CUP) collaborations, 3) RERIPA project, 4) Continuation perspective and schedule for PNG involvement in FALAH.



The afternoon started with a presentation of the PNG team and its possible involvement in FALAH (Dr. Dame and Christian).

Two parts including a first on the presentation of the institutions involved in the FALAH-PNG team, made by Dr Jane AWI (SRI) and Christian BUKAJIM (CNRD) who presented the work of the pilot project.



It was a general presentation of the three institutions involved in the team: University of Goroka (UOG), Institute of Medical Research (IMR) and Divine World University (DWU: Elisabeth CHULE in Fiji)

The end of the day was marked on the one hand, by the restitution of group work and on the other hand, by the intervention of Dr. Vili VAILEA SAULALA Vice-chancellor of Christ's Church University in Pacific (CUP) and Director of CUP International Affairs

Dr. Vili VAILEA SAULALA after explaining his fortuitous arrival at the CPC and his unexpected participation in the activities of the seminar, he made a quick presentation of the Tonga archipelago and indicated that they will begin their research on the main island. As a result, to prepare their involvement in FALAH, they will participate in the 2023 events in March in New Caledonia and in June in Vanuatu.

