



Australian Government

**Australian Centre for
International Agricultural Research**

Annual report

project

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Contents

| | | |
|-----------|--|-----------|
| 1 | Progress summary | 3 |
| 2 | Achievements against project activities and outputs/milestones..... | 4 |
| 2.1 | Achievements to date | 4 |
| 2.2 | Summary of achievements to date (for ACIAR website) | 12 |
| 3 | Impacts | 13 |
| 3.1 | Scientific impacts | 13 |
| 3.2 | Capacity impacts..... | 13 |
| 3.3 | Community impacts | 13 |
| 3.4 | Communication and dissemination activities | 14 |
| 4 | Training activities | 14 |
| 5 | Intellectual property | 14 |
| 6 | Variations to future activities | 14 |
| 7 | Variations to personnel..... | 15 |
| 8 | Problems and opportunities | 15 |
| 9 | Budget | 15 |
| 10 | Appendices | 15 |

1 Progress summary

In this second reporting period, we summarise progress and achievements towards the four objectives. Details of activities and outcomes are tabulated in Section 2.

With continued international travel restrictions due to COVID-19, work has focused on analyses under Objective 1 (analyses of agri-food systems). We have completed pre-COVID-19 baseline metrics for nine Pacific Island countries and published them through SPC. Many agencies and organisations are collecting data on the impacts of COVID-19 in the Pacific. These factsheets provide critical pre-COVID-19 baseline information for comparison, as a benchmark to evaluate the impact that the global pandemic has had on Pacific economies and households, and to identify populations that are most vulnerable to the health and economic fallout.

We are now prioritising a series of translation outputs based on key commodities and countries, with analysis of data from the Pacific Food Trade Database, Pacific Nutrient Database, and HIES data. Scope and layout for the briefs has been decided, and analysis for the initial briefs is underway. The associated academic publications will follow, given longer timeframes to peer reviewed publications. We have successfully resolved longstanding technical issues in cleaning HIES food acquisition and consumption data. An outlier imputation method has been developed and tested using the Cook Islands data set, one of the most problematic of the standardized series. We have also completed version 2 of the Pacific Food Trade Database, with the associated methods available on the SPC SDD Innovations website and in review in the journal PLoS ONE.

Objective 2 (informing policy) is underway and we have convened an advisory group with regional representation relevant to food system elements (agriculture, fisheries, value chains, consumption) as well as nutrition and environmental sustainability. The group has met twice so far, to provide input into the focus of the analysis, the study design and translational activities. The group also includes key policy actors from Solomon Islands and Vanuatu. The policy and political economy analysis is in progress, and will include a regional component, to enable us to consider the translation of regional guidance to national policy, as well as national policy coordination and implementation. The focus commodities for the value chain analysis have been provisionally identified as (traditional/local) vegetables and animal source foods, both of which are nutritionally-relevant. Relevant data sources have been identified through Obj 1. Fieldwork has been delayed by COVID-19.

In Objective 3 (improved food environments), a rapid baseline survey on food availability and price was deployed in July/August in Solomon Islands in Honiara, Auki and Gizo to measure the effects of COVID-19 in disrupting the food supply chain and prices at the local level. The survey will be repeated in Q3 2021, Q4 2021, and potentially in Q1 2022 in order to understand the longer term impacts of COVID-19 on the local urban and regional food environments in Solomon Islands and to disentangle COVID-19 impacts from seasonal variability interpretations. The survey results were reported back to Solomon Islands food system stakeholders and used as a starting point for discussions around opportunities to improve markets (leading into activity 3.3). Participatory action research on actions that enhance the local food environment will take place with key stakeholders in Q4 2021.

In Objective 4 (diagnostic tools) we have developed a food environment typology for the Pacific region. This captures the diversity of places and pathways through which people commonly acquire food. We then applied this typology to analysis of the Solomon Islands 2012/13 HIES survey and report on the relative importance of different food environments in contributing to diet quality nationally, by province, urban and rural location, and wealth group. This diagnostic tool provides valuable information on potential leverage points within national food systems to improve diet quality.

2 Achievements against project activities and outputs/milestones

2.1 Achievements to date

The tables below provide detail on achievements to date, in the current reporting period, as well as previously reported completed activities/outputs/milestones in grey text.

Objective 1: To complete integrated analyses of dimensions of the agri-food system at regional and national scales

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|--|---|-----------------|--|
| 1.1 | Convene project inception meeting to confirm roles and schedule activities | Revised project document | Q4 2019 | Previously reported: Inception meeting held at ANCORS in Wollongong in September 2019. Workplans – particularly for the first 6 months of the project – confirmed. A sub-group of the team met for further discussion particularly around Objective 3 in December 2019 and again in February 2020. |
| 1.2 | Clean HIES data sets available for 12 PICs (builds on work done in FIS/2016/300) | Cleaned data set archived with SPC for 12 PICs (Q3 2019, and then as new HIES become available) | Q3 2019 | Previously reported: Completed by milestone. Solomon Islands and Tonga Food Security Profiles produced using cleaned HIES data (in Q4 2019 and Q2 2020). |
| 1.3 | Publish Pacific nutrient database as PNDB on SPC website | PNDB publically available on the SPC website (Q2 2020) | Q3 2020 | Previously reported as: SPC, UOW and FAO 2020. Pacific Nutrient Database User Guide: A tool to facilitate poverty, nutrition and food security analysis in the Pacific region. Pacific Community, University of Wollongong and the Food and Agriculture Organization of the United Nations. 15 pp. Online here . The Pacific Nutrient Database (SPC, UOW and FAO 2020) is being uploaded to the Pacific Data Hub.stat . |
| 1.4 | Convene WG advisory committee to prioritize remaining four WG and agree on modality after CV-19 priority WGs completed | Convene advisory group to establish a portfolio of WG topics and leaders (Q2 2022). | | This advisory group has been deferred by decisions made on WG as a result of COVID-19 reprogramming and greater clarity on initial WGs. The initial list of WG is outlined in 1.5 below |
| 1.5 | Select WG leaders and participants and schedule WG | Schedule of WGs agreed and participants for first non-COVID-19 one agreed (Q2 2021) | | Working groups now prioritized as: 1. CV19 (complete) 2. Fish in the Pacific food system (led by Mike Sharp, Q3 2021) 3. Animal source foods (led by Jess Scott) 4. Sugar / sugar sweetened beverages (led by Anne Marie Thow) 5. Rice (led by Neil Andrew) 6. Solomon Islands 7. Roots and tubers 8. Non-starchy vegetables |

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|--|--|-----------------|--|
| | | | | <p>9. Plantation agriculture/cash crops (copra/cocoa/palm oil/gourds)</p> <p>10. Intra-regional trade (healthy and unhealthy)</p> <p>11. Vanuatu (all commodities, place-based) (led by Neil Andrew)</p> <p>12. Solomon Islands (all commodities, place-based) (led by Anna Farmery Q3 2021)</p> <p>13. Kiribati (all commodities, place-based)</p> |
| 1.6 | Convene up to eight WG over three years (2 in 2019-20, 4 in 20-21 and 2 in 21-22) to address priority issues | Each WG will produce a minimum of one peer reviewed paper and one translation output (Q4 2020 and then six monthly thereafter) | | In progress. The first WG produced a series of briefs for DFAT. These will be converted to public domain briefs published on the SPC SDD website. Drafts have been complete for the first five in the series. |
| | | Paper to integrate findings and recommendations from the thematic WG (Q2 2022) | | Not due yet. |
| 1.7 | Provide CV-19 information and analysis in response to changed DFAT/ACIAR priorities (as WG 1) | Analysis and outputs as agreed with DFAT/ACIAR in Q2 2020 | Q2 2020 | <p>Previously reported: Completed by milestone. Prepared COVID-19 briefs for DFAT using the PTDB and the FAOSTAT production data, including:</p> <ul style="list-style-type: none"> i. Rice trade ii. Food imports iii. Fruit and non-starchy vegetable production iv. Starchy vegetable production v. Wheat trade <p>Eriksson H, Ride A, Boso D, Sukulu M, Batalofo M, Siota F and Gomeze C. 2020. Changes and adaptations in village food systems in Solomon Islands: A rapid appraisal during the early stages of the COVID-19 pandemic. Penang, Malaysia: WorldFish. Program Report: 2020-22.</p> |
| | | Paper on 'COVID-19 and vulnerabilities of the Pacific Food System: opportunities for a robust response' | Q2 2020 | <p>Previously reported: Completed by milestone. Published as Farrell, P. et al. COVID-19 and Pacific food system resilience: opportunities to build a robust response. Food Sec. (2020). https://doi.org/10.1007/s12571-020-01087-y</p> <p>Presentation: Farrell et al. COVID-19 and Pacific food system resilience: opportunities to build a robust response. Australian Public Health Conference, 19-30 October 2020.</p> |
| 1.8 | Complete analyses of food systems at national scales for SLB, VUT and KIR | Translation outputs quantifying food security profiles as baseline for CV-19 analyses in SLB (Q3 2020), VUT (Q4 2020, and KIR (Q1 2021), in collaboration with | | <p>Food Security Profiles completed with FAO for:</p> <ul style="list-style-type: none"> i. Kiribati ii. Marshall Islands iii. Solomon Islands (previously reported) |

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|------|---|--|--------------------|---|
| | | ACIAR project FIS/2016/300 | | <p>iv. Tuvalu (previously reported)</p> <p>v. Vanuatu (not yet published)</p> <p>Pre-COVID baseline indicators published for:</p> <p>i. Cook Islands</p> <p>ii. Federated States of Micronesia</p> <p>iii. Nauru</p> <p>iv. Niue</p> <p>v. Palau</p> <p>vi. Solomon Islands</p> <p>vii. Tokelau</p> <p>viii. Tonga</p> <p>ix. Tuvalu</p> <p>Reports on Food Consumption for Kiribati, Marshall Islands, Solomon Islands and Vanuatu are complete and are currently being published.</p> |
| 1.9 | For countries with completed repeats of standardized HIES (possibly VUT, FSM, PLW, TKL and WSM) complete comparative analysis of key indicators | Paper and policy brief published on trends in food acquisition and apparent consumption (Q2 2022) | | Not due yet. |
| 1.10 | Under SPC leadership convene a technical forum to present results of regional HIES and trade analyses, with a particular focus on long-term implications for the region under a changing climate (Obj. 2) | Forum completed and policy briefs produced (Q2 2022) | | Not due yet. |
| | | Journal article overviewing the regional agri-food system produced as a summary of the SPC technical forum (Q4 2021) | | Not due yet. |
| | | SPC report on the Pacific food system modelled on SRC Nordic Food Systems report (Q1 2022) | | Not due yet. |
| 1.11 | Regional and national trade analysis | Version 1 of the Pacific Food Trade Database (PFTD) cleaned and archived with SPC (Q3 2019) | Q3 2019 | Previously reported: Version 1 completed and archived, and associated working paper available on the SPC SDD innovations site here . |
| | | Working Paper summarizing PFTD (v2) cleaning methods completed (Q2 2020) | Q4 2020 | Completed and published on the SPC SDD Innovations website as: Brewer, T., Andrew, N., Sharp, M., Thow, A., Kottage, H., & Jones, S. (2020). A method for cleaning trade |

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|----------|---|--------------------|--|
| | | | | data for regional analysis: The Pacific Food Trade Database (version 2, 1995-2018). Pacific Community working paper. |
| | | Version 2 of the PFTD (1995-2018) cleaned (Q2 2020) and used for WGs 1 to 4 | Q2 2020 | Previously reported. Finalized and operational for use in supporting project outputs. |
| | | Journal article outlining the method used to clean regional food trade data (v2) (Q3 2020) | Q1 2021 | Paper submitted and in review at PLOS (submitted February 2021). |
| | | Journal article on spatio-temporal patterns of trade in key foods (Q3 2020) | | Paper to be submitted to 'Global Food Security' in Q3 2021. Journal Impact Factor = 6.034 |
| | | Translation outputs through SPC channels summarizing dimensions of regional trade in agricultural commodities (Q3 2020 and then annually) | | Translation outputs for 1) the PFTD, 2) Regional imports, and 3) Regional exports to be published Q3 2021. |
| | | Journal article and translation output on spatio-temporal food trade between Australia and the Pacific region (Q4, 2021) | | Journal article will use version 2.1 of the PFTD. Version 2.1 is expected to be complete during July, 2021. The manuscript is partially written. |
| | | Paper and translation output on broad characterisation of the Pacific diet (Q4 2021) | | On track for completion of manuscript in Q4 2021. |
| | | Paper and translation output on the broad characterisation of food acquisition in the Pacific (Q4 2021) | | This paper will now be incorporated into the <i>broad characterization of the Pacific diet</i> output above. |
| | | Paper on price elasticity on selected foods and link to NCD prevention in the Pacific (Q4 2020) | | Delayed. Paper to be submitted in Q2 2022. |
| | | v3 of the PFTD (1995-2020) cleaned (Q2 2022) | | Not due yet |
| | | Paper on impact of COVID-19 on international trade of food in the Pacific region (Q3 2022) | | Not due yet |

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|----------|--|--------------------|-------------|
| | | PFTD v3 uploaded to SPC SDD website and available as a public good (Q4 2022) | | Not due yet |

Objective 2: Analyse policy coherence across food system sectors and identify opportunities to strengthen policy in focal countries

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|--|--|--------------------|---|
| 2.1 | Stakeholder engagement workshop in each country, presentation of data from Obj. 1, initiation of and input into Obj. 2 activities. | Workshops in KIR, SLB, VUT, conducted in collaboration with FIS/2016/300 SLB Q2 2021, VUT 2021, KIR 2022) | | <p>Policy advisory group convened with representation from Vanuatu, Solomon Islands, SPC, FAO in March and June 2021. This regional stakeholder engagement is enabling dissemination of data from Obj 1 and also input into Obj 2 activities.</p> <p>Ambition is still to convene in-country workshops but logistics of that is TBD given COVID-19 travel restrictions. SLB workshop on track for Q3 or Q4 2021; exploring options for VUT and KIR 2022</p> <p>Supplementary funding has been secured from FAP SAP to augment in-country consultations in Solomon Islands. These consultations will be delayed because of COVID-19 to Q4 2021 (currently Q2).</p> |
| | | Workshop reports (from Q2 2021 to Q1 2022) | | As above |
| 2.2 | Compare and contrast supply chains for key agricultural commodities in KIR, SLB and VUT | Report on value chain maps: Identifying flow of goods or services in food supply chains from raw material to customer with a focus on production type, nutritional content, processing, transparency and amount of food waste and loss (Q4 2021) | | Progress underway; data (Obj 1) identified for animal source foods and (traditional/local) vegetables, as key nutritionally-relevant commodities. Fieldwork has been delayed by COVID-19. |
| | | Translation outputs for each country (national government level): Key information on optimising health and environmental sustainability in supply chains for key agricultural commodities (Q3 2021 then ongoing) | | As above |

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|--|---|-----------------|---|
| | | Report on targets for win-win (ie healthy and environmentally sustainable) PIC diet (Q4 2021) | | Progress underway on a regional examination of policy for a win-win re healthy and sustainable food systems in the Pacific. Also: Farmery, A.K and Bogard, J.R. (in review) Realizing the potential for aquatic foods to contribute to environmentally sustainable and healthy diets. Routledge Handbook of Sustainable Diets |
| | | Papers: Improving nutrition and environmental sustainability in seafood rich, import-dependent diets (Q4 2021) | Q4 2020 | Completed by milestone. Published as: Farmery AK, Scott JM, Brewer TD, Eriksson H, Steenbergen DJ, Albert J, Raubani J, Tutuo J, Sharp MK, Andrew NL. Aquatic Foods and Nutrition in the Pacific. <i>Nutrients</i> . 2020; 12(12):3705. https://doi.org/10.3390/nu12123705 |
| | | Paper on conceptualising value chain analysis to integrate multiple food system elements (Q3 2020) | Q1 2021 | Completed. Published as: Farmery, A.K. Brewer, T.D. Farrell, P. Kottage, H. Reeve, E. Thow, A.M. Andrew, N.L. 2021. Conceptualising value chain research to integrate multiple food system elements, <i>Global Food Security</i> , Volume 28,100500, https://doi.org/10.1016/j.gfs.2021.100500 |
| 2.3 | Policy and political economy research: national and subnational level in KIR, SLB and VUT | Reports: Policy content and stakeholder context in each country (Q4 2021) | | The policy analysis and political economy study is currently underway, with SLB and VUT policy engagement occurring through the project advisory team. Policy content analysis is currently underway. Ethics will be obtained in country in Q3 2021 and interviews conducted in Q4 2021. The planned research in KIR has been provisionally replaced by a regional component, due to COVID-related challenges |
| | | Paper: Strengthening governance for sustainable food and nutrition outcomes (Q2 2022) | | Not due yet. |
| 2.4 | Synthesis and identification of policy opportunities; participatory workshop in each study country | Workshop (Q2 2022) | | Not due yet. |
| | | Paper: Opportunities and strategies to strengthen food system policy regionally, with case studies on all study countries (Q1 2022) | | Not due yet. |
| | | Translation outputs: Policy opportunities to strengthen sustainable food and nutrition security (Q2 2022) | | Not due yet. |

Objective 3: To characterize informal markets and prioritise actions that enhance nutritional outcomes from local food environments in Solomon Islands

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|--|---|-----------------|---|
| 3.1 | Cyclical monitoring and analysis along a gradient of 'rural and peri-urban informal markets in Western and Malaita Provinces to understand external and personal food environment dimensions | Report: Rapid baseline survey of external food environment domain during COVID-19 with a focus on food price and availability in formal and informal markets in Solomon Islands (Q3 2020) | | The rapid assessment survey was conducted in July/August 2020 with 556 participants. We had originally intended that this was a rapid baseline study only. We will now repeat the survey another 2-3 times (Q3 2021, Q4 2021, and potentially in Q1 2022) in order to understand the longer term impacts of COVID-19 on the local urban and regional food environments in Solomon Islands and to disentangle COVID-19 impacts from seasonal variability interpretations. Report is in progress. |
| | | Paper: Fluctuations and drivers of food price and availability in informal markets in Solomon Islands (Q2 2021) | | Paper is in progress. |
| | | Paper: Is a nutritionally sound food basket affordable for consumers? (using HIES derived food basket for SLB, market prices and availability) (Q2 2022) | | Not due yet. |
| | | Scoping review on typologies of local environments in low- and middle-income settings (Q1 2021) | | The literature search has been completed and full text review is currently underway. Estimated completion of manuscript end 2021. |
| 3.2 | Develop and sustain local partnerships and networks within the informal market sector in Solomon Islands. | Partnerships developed with organisations, vendors and projects involved in other market based initiatives in SLB (Q4 2019 and ongoing) | Q4 2019 | Previously reported. A total of three partner meetings were held in Honiara, Auki and Gizo. Ongoing meetings with food system partners: representatives from the Ministries of Agriculture, Fisheries, Health, Education; NGO partners; Provincial government departments (fisheries, agriculture, health); vendor association managers, town councilors. Findings from the market survey were disseminated and opportunities to improve markets discussed. |
| | | Report: Vendor constraints and opportunities to enhance nutritional food environments | | Report in progress. |

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|---|--|-----------------|--|
| | | in informal markets in Solomon Islands (Q2 2020) | | |
| 3.3 | Participatory action research with key stakeholders to identify and prioritise actions and that enhance local food environments. (identified through 3.1 and 3.2) | Awareness materials: Market billboards/vendors display nutrition messaging (messages identified with vendors, partners and through 3.1 research) (Q1 2021) | | Several key opportunities have been identified with partners, including nutrition training and materials (with information on nutrition content of key commodities) for market vendors, to be implemented in partnership with Provincial government agriculture extension unit and Health. |
| | | Report/paper: Enhancing nutritional food environments; Recommendations and priority actions for informal market (Q4 2021) | | Not due yet. |
| | | Translation outputs: Opportunities for improving nutrition in local food environments in Solomon Islands and beyond (links to 2.3 and 2.4) (Q1 2022) | | Not due yet. |

Objective 4: To develop diagnostic tools to improve policy interventions in national agri-food systems and improved metrics for reporting status and progress against national, regional and global targets (25%).

| No. | Activity | Outputs/ milestones | Completion date | Comments |
|-----|--|--|-----------------|--|
| 4.1 | Synthesis of node-level diagnostic tools tested through Obj. 1-3) | Working paper (Q4 2022) | | Not due yet. |
| 4.2 | Convene WG of food systems experts to design high-level agri-food system diagnostic tool | Peer-reviewed publication and translation outputs (Q4 2022) | | Not due yet. |
| 4.4 | Adapt and pilot test the local food environment diagnostic tool(s) | Finalised diagnostic tool ready for application through tablet based data collection (Q1 2022) | Q2 2022 | The food environment typology is a diagnostic tool to analyse where people source their food – from formal and informal retail outlets, to wild harvesting, to their own agricultural production. It can be applied in two ways: (i) as an approach to analyse HIES data and (ii) in local surveys such as household or market surveys. The typology has been developed and applied to the Solomon Islands 2012/13 HIES survey. Additionally it will be piloted in the |

| | | | | |
|-----|--|--|--|---|
| | | | | Solomon Islands market vendor survey in Q3 2021 |
| | | Paper on vendor typology assessment (Q3 2021) | | The food environment typology paper is on track to be completed Q3 2021. |
| 4.6 | Conduct the local external food environment assessment in target communities in KIR, SLB and VUT | Dataset on local food environment compiled (Q1 2022) | | Due to COVID-19 travel restrictions, it is unlikely that field data will be collected in KIR and VUT. Instead, the typology has been adapted to application to HIES data for Solomon Islands. Two datasets are on track: 1) Food environment typology being applied during Market Vendor survey in SLB only. 2) Analysis done on the HIES data for Solomon Islands. |
| | | Policy brief published for each country (SLB Q2 2021, VUT Q3 2021, KIR Q4 2021) | | A policy brief for Solomon Islands is on track to be delivered Q3 2021. |
| 4.7 | Under SPC leadership, review and refine national SDG reporting for PICs relevant to food systems | SPC report and policy brief (Q4 2022) | | Not due yet. |
| 4.8 | Analysis and synthesis of local food environment and identification of leverage points for improving nutrition | Peer-reviewed publication and policy brief describing the tool and local food environment assessment (Q4 2022) | | Not due yet. |

2.2 Summary of achievements to date (for ACIAR website)

The project has made major contributions to national and regional responses to the COVID-19 pandemic. We have cleaned and published version 2 of the Pacific Food Trade Database (PTFD 1995-2018), covering 18 PICTs and 581 commodities. This database represents the benchmark in reliable food trade data for the region and will contribute to food systems analyses, including food security, nutrition, and integrated national assessments in Solomon Islands, Vanuatu and Kiribati. We have published pre-COVID-19 baseline metrics for nine Pacific Island countries available online through SPC. These factsheets provide a critical benchmark to evaluate the impact that the global pandemic has had on Pacific economies and households, and to identify populations that are most vulnerable to the health and economic fallout. We completed a rapid survey of the impact of COVID-19 on food price and access in Solomon Islands, with repeat in 2021 to extricate COVID-19 impacts from seasonal variability. We have convened a policy advisory group with regional representation relevant to food system elements (agriculture, fisheries, value chains, consumption) as well as nutrition and environmental sustainability. We have developed a food environment typology for the Pacific region, which captures the diversity of places and pathways through which people commonly acquire food. This diagnostic tool provides valuable information on potential leverage points within national food systems to improve diet quality.

3 Impacts

3.1 Scientific impacts

Outputs for the reporting period are:

Brewer, T., Andrew, N., Sharp, M., Thow, A., Kottage, H., & Jones, S. (2020). A method for cleaning trade data for regional analysis: The Pacific Food Trade Database (version 2, 1995-2018). Pacific Community working paper.

Farmery AK, Scott JM, Brewer TD, Eriksson H, Steenbergen DJ, Albert J, Raubani J, Tutuo J, Sharp MK, Andrew NL. (2020) Aquatic Foods and Nutrition in the Pacific. *Nutrients*. 12(12):3705. <https://doi.org/10.3390/nu12123705>

Farmery, A.K. Brewer, T.D. Farrell, P. Kottage, H. Reeve, E. Thow, A.M. Andrew, N.L. (2021) Conceptualising value chain research to integrate multiple food system elements, *Global Food Security*, Volume 28,100500, <https://doi.org/10.1016/j.gfs.2021.100500>

Farmery, A.K and Bogard, J.R. (in review) Realizing the potential for aquatic foods to contribute to environmentally sustainable and healthy diets. *Routledge Handbook of Sustainable Diets*.

FAO and SPC. Food Security Profiles for:

- i. [Kiribati](#)
- ii. [Marshall Islands](#)
- iii. Vanuatu (yet to be published online)

FAO and SPC: Pre-COVID baseline indicators published for:

- i. [Cook Islands](#)
- ii. [Federated States of Micronesia](#)
- iii. [Nauru](#)
- iv. [Niue](#)
- v. [Palau](#)
- vi. [Solomon Islands](#)
- vii. [Tokelau](#)
- viii. [Tonga](#)
- ix. [Tuvalu](#)

It is too early to see scientific impacts from the reported outputs.

3.2 Capacity impacts

Ms Dorah Wilson, supervised by Prof Andrew, Dr Anna Farmery, Dr Tom Brewer and A/Prof Anne Marie Thow, has begun her PhD through this project. Her PhD is focused on governance transformation of the Vanuatu Food System. She has submitted her ethics and confirmation of candidature and has been contributing to the advisory committee as part of Objective 2.

3.3 Community impacts

None for this reporting period.

3.3.1 Economic impacts

None for this reporting period.

3.3.2 Social impacts

None for this reporting period.

3.3.3 Environmental impacts

None for this reporting period.

3.4 Communication and dissemination activities

The *Food Security Profiles* briefs and the *Pre-COVID Baseline Indicators* for 9 Pacific Island Countries briefs (activity 1.8) are published on the SPC website and the latter was announced [here](#).

Presentation: Bogard, J. Development of a food environment typology for the Pacific Region: kin and community is an overlooked source of food. Agriculture Nutrition and Health Academy Research Conference (virtual). 29 June - 1 July 2021.

Presentation: Bogard, J. Understanding the importance of wild, cultivated and community food environments in the Pacific region. Dietitians Australia Conference (virtual). 11-13 July 2021.

Presentation: Farrell et al. COVID-19 and Pacific food system resilience: opportunities to build a robust response. Australian Public Health Conference (virtual), 19-30 October 2020.

Presentation: Farrell P, Wate J, Thow AM, Bogard J, Scott J, Andrew N. Food access in Solomon Islands during COVID-19: a rapid baseline survey. Australian Public Health Conference 2020 (virtual). 19-30 October 2020.

Presentation: Tutuo Wate, Solomon Islands Market Vendor and Price Survey. DFAT webinar: Solomon Islands and COVID-19: What do we know about impacts to livelihoods, food systems and food and nutrition security? 25 September 2020.

4 Training activities

No training activities to report.

5 Intellectual property

There have been no significant IP issues during the reporting period.

6 Variations to future activities

Continued travel restrictions beyond 2021 due to COVID-19 are likely. All Working Groups will be held remotely. Fieldwork in Objectives 2 and 4 will not likely go ahead to the full extent planned, e.g. only in SLB instead of SLB, KIR, and VUT. As described in the detailed activity tables in Section 2.1, alternative desk-based analyses based on HIES data, deeper inquiry in Solomon Islands, or broader regional analyses will be conducted where fieldwork is impossible.

7 Variations to personnel

No changes to personnel.

8 Problems and opportunities

A contract is pending with FAO to undertake a food system analysis for Solomon Islands. This opportunity dovetails with the current ACIAR work. The synergies created between the ongoing investment by ACIAR and the FAO work present a unique opportunity for an ambitious and comprehensive analysis of the Solomon Islands food system, in consultation with key stakeholders and policy makers. The FAO work will fund an in-country consultant, who has previously worked with Dr Tutuo Wate, and two in-country workshops in which key food system policy stakeholders will validate the results of the analyses. A partnership with FAO also potentially amplifies the reach of the analyses.

9 Budget

Letter of Variation 2 includes adjustments to the budget between cost categories within budget periods due to limitations on planned international travel. This includes reallocating UOW Travel budget to Personnel (TBD Research Assistant), USyd Travel to Personnel (increase time for Thow and Reeves) and to UOW Research Operating (for field costs), and SPC Travel to Research Operating (printing/editing costs). It designates SPC subcontractors Helani Kottage as Statistical methodologist and Nathalie Troubat as Food Security analyst.

A further budget adjustment will be necessary before the January 2022 payment period to reduce the SPC budget and reallocate funds to UOW to support Helani Kottage's critical UOW-based role as statistician and data analyst.

10 Appendices

Appendix 1: Annual Project Report Appendix One Publications list