

One Health in the Pacific,  
Way forward,  
Pacific Community

Samoa, 17th April, 2024

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# Little Fire Ants

[Wasmannia aeropunctata \(little fire ant\) | CABI Compendium \(cabidigitallibrary.org\)](https://compendium.cabi.org/compentry.do?doi=Wasmannia%20aeropunctata)



Impacts on Humans



Impacts on Agriculture



Impacts on Pets



Impacts on Wildlife

Painful the sting is and how irritating the long-lasting itchy rash or welts

- a. Protects plant pests thereby devastating fruit trees, agro-forestry, etc.
- b. Sting Agri-workers and so disrupt production and harvesting by agri-workers

Animals suffer high rates of skin irritations and tropical keratopathy, a clouding of the corneas resembling cataracts.

In natural ecosystems, they displace other ant species and predate on insects and vertebrates.

[Fire Ants Are Invading Hawaii, so Helicopters Are Blasting Them With Birth Control](#)

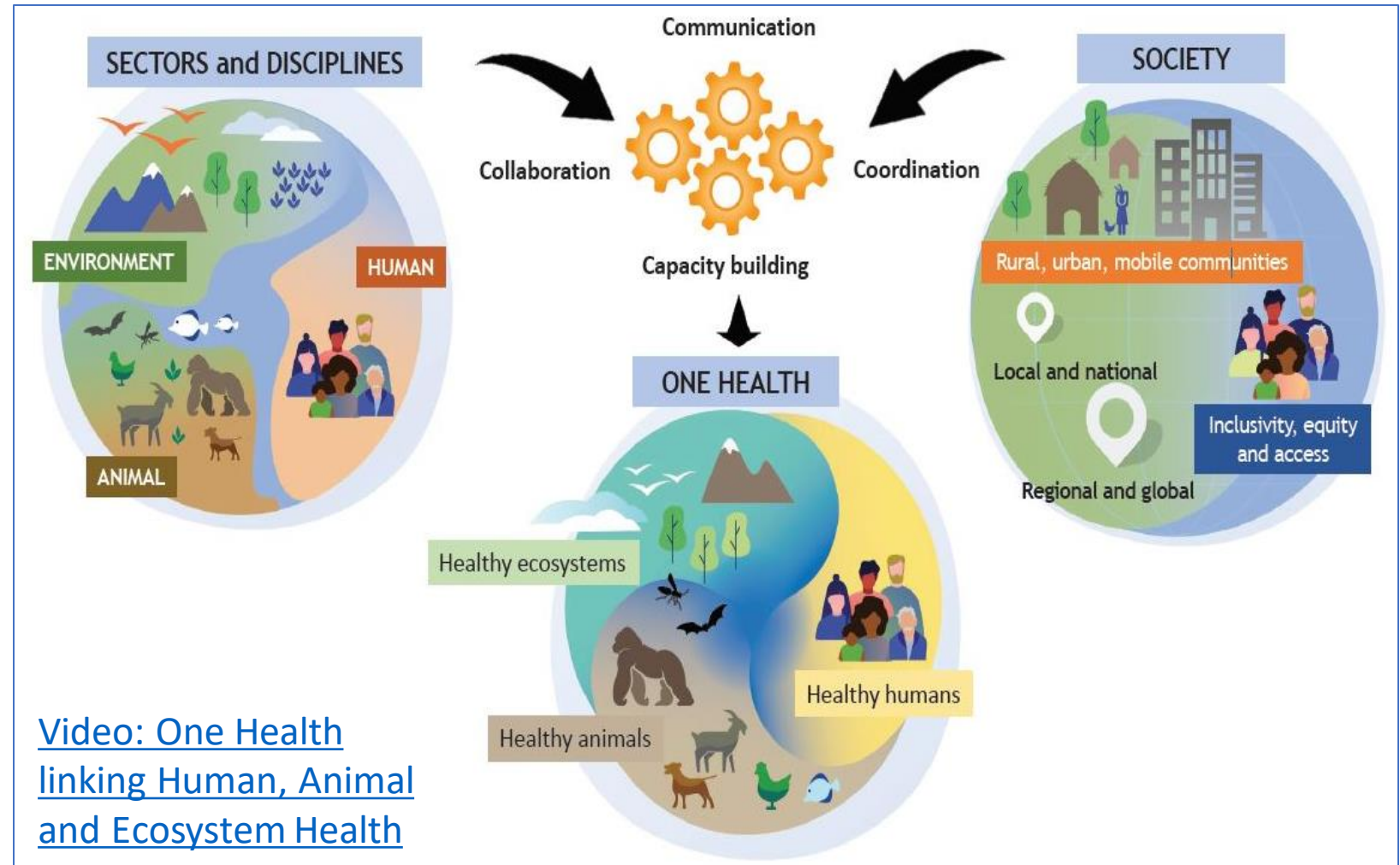
# Overview

- One Health approach defined
- One Health, not a new agenda for the Pacific
- PRIPP project – One Health project
- Update on One Health since establishment of position
- Governance framework for One Health approach ·



# One Health Defined (OHHLEP 2021)

- **One Health is an integrated, unifying approach that aims to sustainably balance and optimize the health of people, animals and ecosystems.**
- It recognizes the health of humans, domestic and wild animals, plants, and the wider environment (including ecosystems) are closely linked and inter-dependent.
- The approach mobilizes multiple sectors, disciplines and communities at varying levels of society to work together to foster well-being and tackle threats to health and ecosystems, while addressing the collective need for clean water, energy and air, safe and nutritious food, taking action on climate change, and contributing to sustainable development.



[Video: What is One Health?](#)

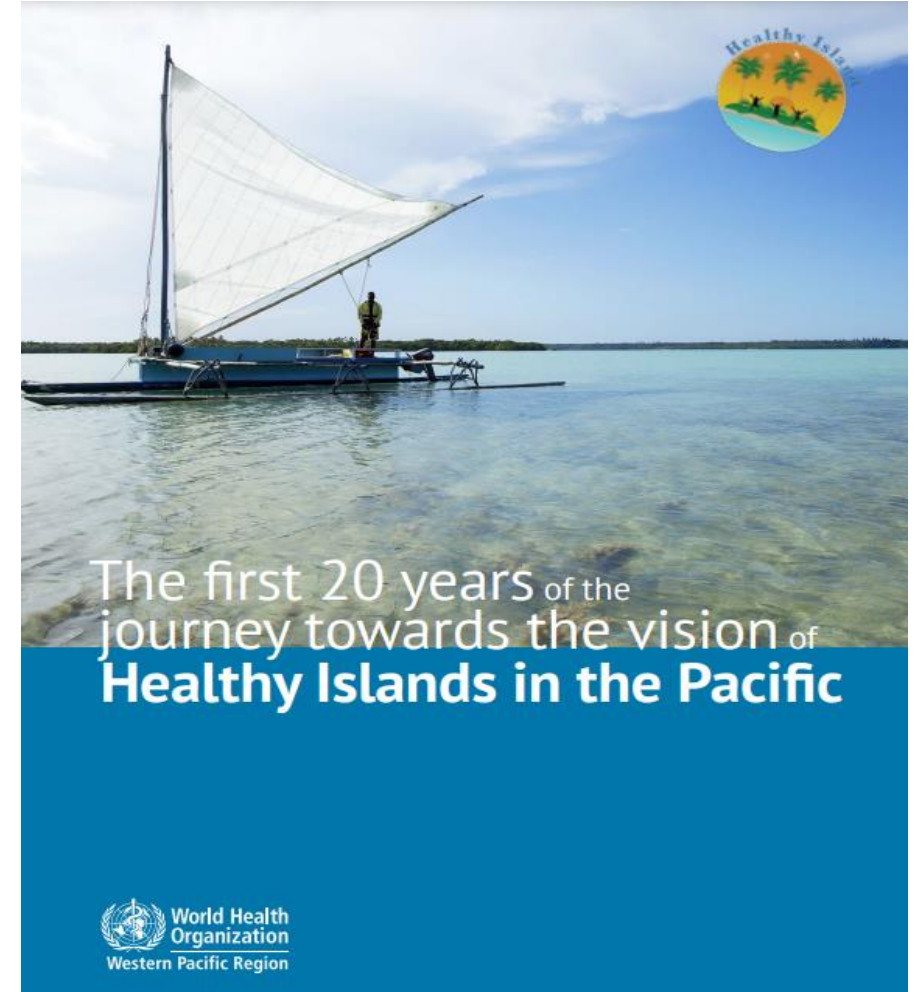
[Video: Healthy planet, Healthy people](#)

# Healthy Islands Vision

**Healthy Islands' is an ideal envisioned in 1995 at the first Pacific Health Ministers Meeting on Yanuca Island, Fiji.**

In 2015, the vision was reaffirmed and a fifth and final line was added. Accordingly, the Healthy Islands vision is one where:

- *Children are nurtured in body and mind;*
- *Environments invite learning and leisure;*
- *People work and age with dignity;*
- *Ecological balance is a source of pride;*
- *and,*
- *The ocean which sustains us is protected.*



<https://www.who.int/westernpacific/about/how-we-work/pacific-support/healthy-islands>

# One Health approach

The One Health approach optimizes human, animal and environmental health

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The approach mobilizes **multiple sectors, disciplines and communities** at varying levels of society to work together to foster well-being and tackle threats to health and ecosystem...

...while addressing the **collective need** for clean water, energy and air, safe and nutritious food, taking action on climate change, and contributing to **sustainable development**.





# Key One Health Issues

- NCD
- Climate Change
- Zoonotic Diseases
- Antimicrobial resistance
- Food Security
- Vector borne diseases
- Deforestation
- Biodiversity loss
- Pests & Diseases
- Global warming
- Poverty
- Equity
- Gender
- Fish poisoning
- Exotic invasive species
- WASH
- Food safety
- Malnutrition

### One Health in Action

Investigating *Salmonella* and Wild Songbirds: A One Health Approach  
CDC brought together partners from multiple states and agencies to address and investigate *Salmonella* cases in humans related to wild songbirds.

Combating Antimicrobial Resistance in People and Animals: A One Health Approach

Understanding Antibiotic Resistance in Water: A One Health Approach

New approaches to address zoonotic diseases in Cambodia

CDC's One Health Office and Georgia Aquarium Work Together to Investigate Otters with SARS-CoV-2

AMD and One Health: Responding to a multistate, multidrug-resistant disease outbreak

China Holds First Stepwise Approach to Rabies Elimination (SARE) Workshop

One Health Collaboration in Uzbekistan: Addressing Zoonotic Diseases through Prioritization and Planning

Working Together for One Health

Influenza and Zoonoses Education among Youth in Agriculture

Crowdsourcing to Report and Respond to Zoonotic Diseases

Understanding Crimean-Congo Hemorrhagic Fever in Kazakhstan

The Story of the Rift Valley Fever Virus Vaccine Preventing Disease in Humans and Livestock

Poisoned Sea Otters in California

Lead Poisoning Investigation in Northern Nigeria

### Sustainable Development Goals

Global Health Security Agenda

Grand Challenges

60% of existing human infectious diseases are zoonotic

At least 75% of emerging infectious diseases (including Ebola, HIV, and influenza) have an animal origin

5 new human diseases appear every year. Three are of animal origin

80% of agents with potential bioterrorist use are zoonotic pathogens

BIODIVERSITY IS LIFE • IS OUR LIFE

# Issues identified from surveillance mapping, gaps and needs analysis

- To strengthen the implementation of an integrated OH approach for surveillance, response and operation research in the Pacific



Promote One Health



Strengthen veterinary capacity and capability



Develop and involve the environmental health sector



Support laboratory capacity building and accreditation



Develop policies and strategies



Support data sharing



Cross-sector committee

## Lessons from surveillance mapping, gaps and needs analysis

Emilie Vallee, Art Subharat and Naomi Cogger  
EpiCentre, Massey University, presentation to  
SPC One Health/Planetary Health meeting, 27 July  
2022



# One Health is not a new agenda item.....

REGIONAL WORKSHOP LABNET  
2010 PROMOTING THE 'ONE  
HEALTH' APPROACH

L'ATELIER RÉGIONAL « LABNET 2010 »  
FAIT LA PROMOTION DE L'APPROCHE  
« ONE HEALTH »



One Health Consultative workshop encourages partnerships between human, animal and environmental health experts

Adelup | 18 April 2018 | [Twitter](#) [LinkedIn](#) [Facebook](#)



Tackling infectious diseases and antimicrobial resistance through One Health

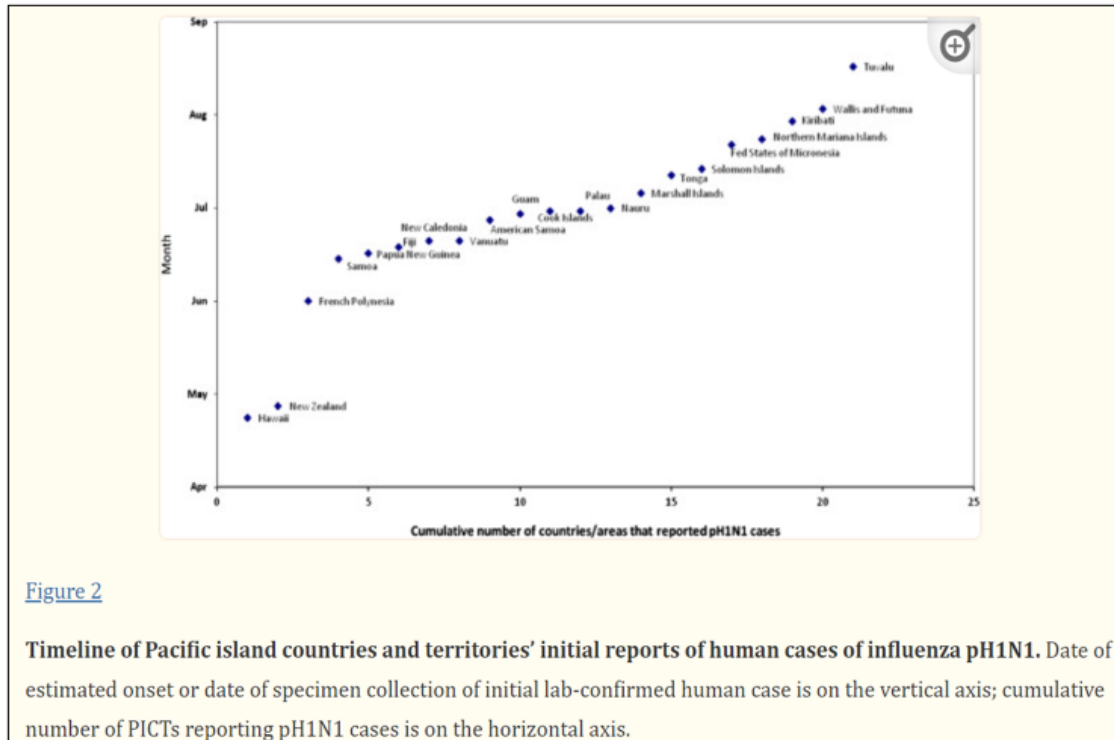
Nadi | 4 July 2019 | [LinkedIn](#) [Facebook](#)



PACIFIC HEADS OF HEALTH | Réunion des directeurs de la santé du Pacifique



# Example: One Health achievement with PRIPP project



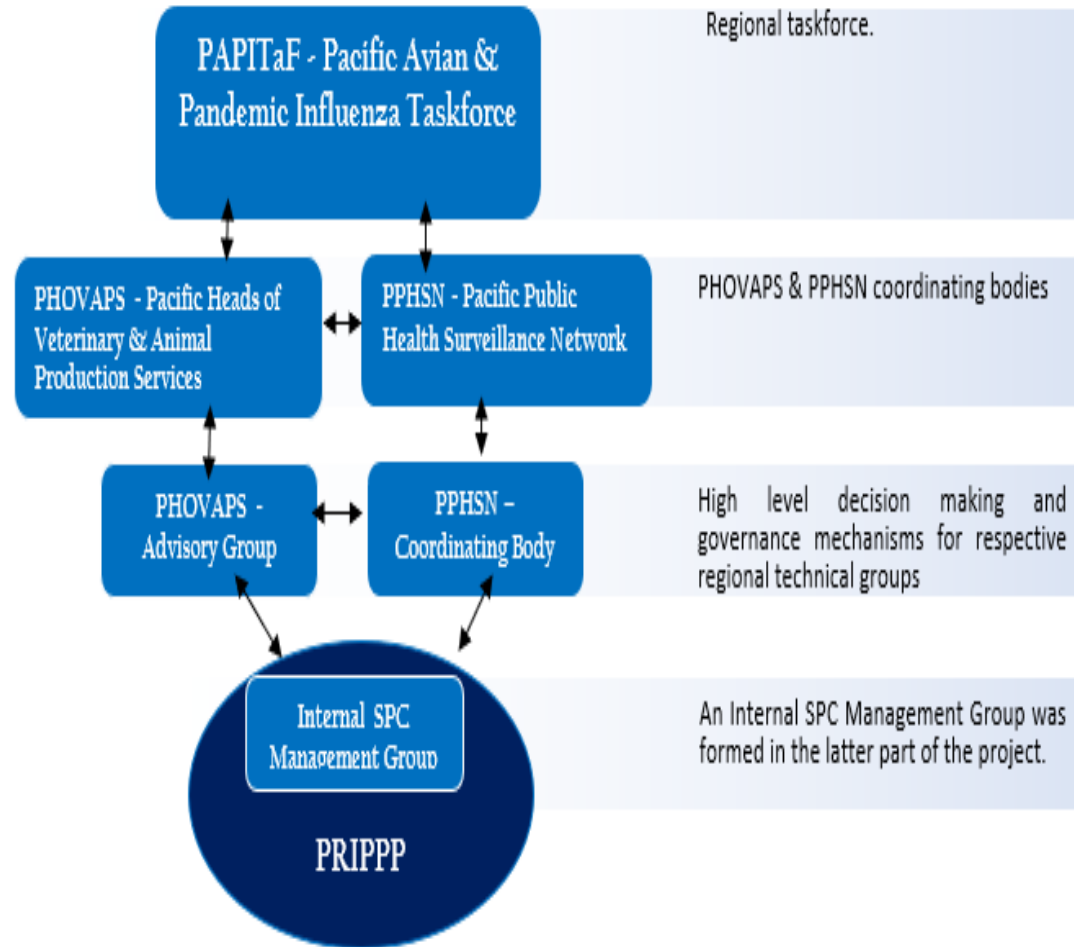
Fatal cases reported by country, population and mortality rate

Country	Population	Number of fatal cases	Deaths per 100,000 population
Cook Islands	11,000	1	9.1
Guam	182,000	2	1.1
French Polynesia	274,000	7	2.6
Marshall Islands	55,000	1	1.8
New Caledonia	249,000	7	2.8
Samoa	184,000	2	1.1
Tonga	105,000	1	0.9

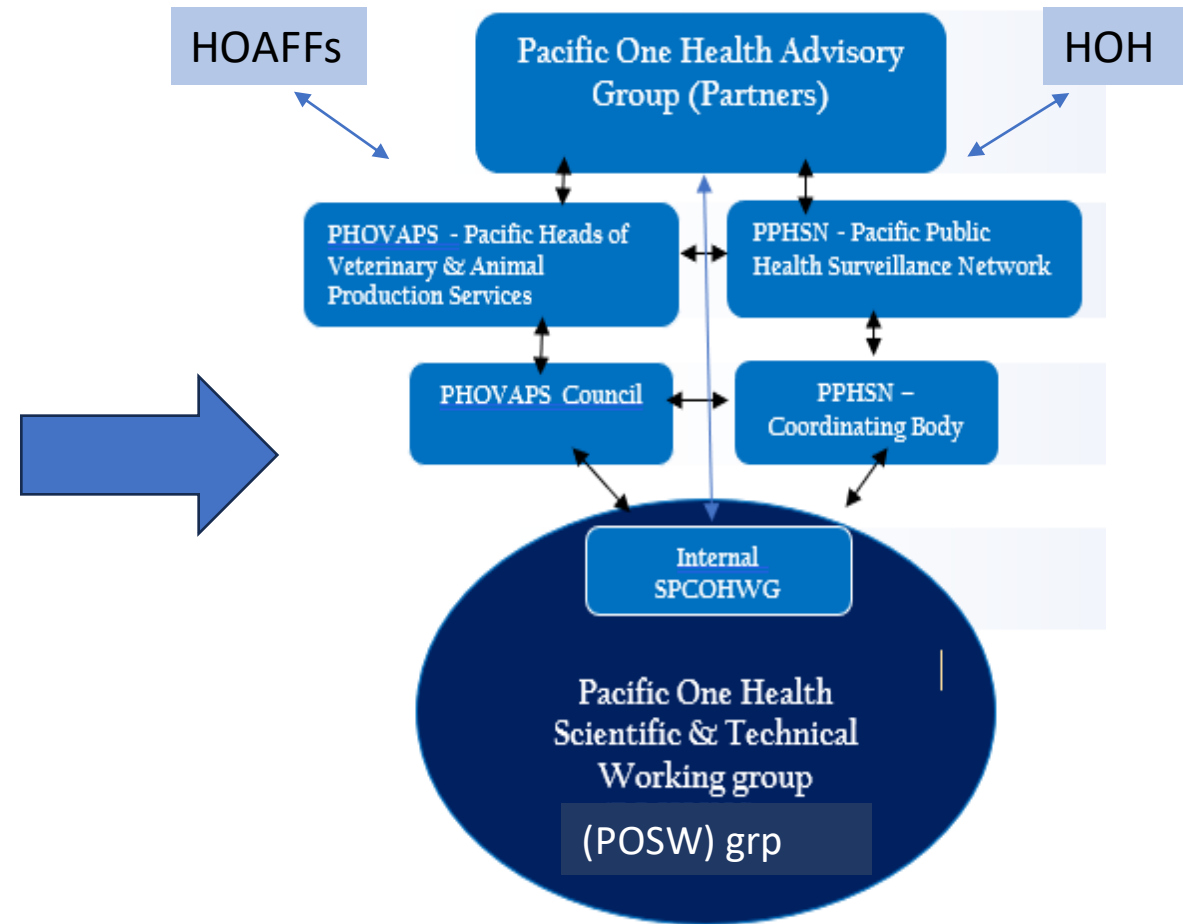
“ Most PICTs were well-prepared for the arrival of the pandemic, as there had been a strong emphasis prior to the pandemic on pre-pandemic planning and capacity-building by WHO, USCDC, and SPC, the latter through the “Pacific Regional Influenza Pandemic Preparedness Project” (PRIPPP) funded by Australia and New Zealand”. Ref: [Influenza surveillance in the Pacific Island countries and territories during the 2009 pandemic: an observational study - PMC \(nih.gov\)](#)

# Governance framework for a One Health approach

## PRIPP Project



## Pacific One Health Network 2024 -





# PACIFIC HEADS OF HEALTH

*Réunion des directeurs de la santé du Pacifique*



## One Health Partners Meeting, 1<sup>st</sup> September, 2023

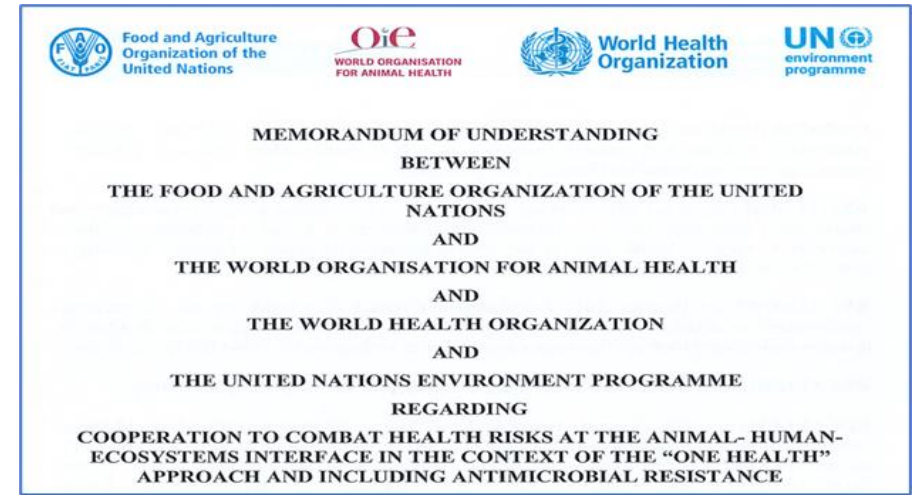
- SPC Directors & technical leads – Public Health Division & Land Resource Division
- USAID, Deputy Director, Office of Health (Philippines, Mongolia, Pacific)
- Australian DFAT – Senior Advisors
- FAO Subregional Office representative & technical officers
- WHO Representative & technical officers

**Purpose:** Establish synergies in effort & resources with shared administration and technical expertise for One Health initiatives



# Update on events....

- Establishment of a One Health coordinator position within LRD, SPC in 2023 (support from DAFF, Australian government)
- Establish the Pacific One Health Network (One Health Scientific & Technical working group) POSW group
- Action the governance framework for a One Health approach in the Pacific
- Regional Meeting: Improving Cross Agency Responses to Biological and Environmental Threats in the Pacific, June 6th, 2024
- Regional Workshop: A Quadripartite joint plan of action workshop for the Pacific in August, 2024



Source:

<https://www.cdc.gov/onehealth/basics/index.html>

# Recommendation

Pacific Heads of Health are invited to note the establishment of One Health activities and plans with PICTs:

- a. Note the One Health programme and position at SPC and alignment to PHOVAPS, PPHSN, PHOH, PHOAF and environment sector
- b. Endorse the governance framework of the Pacific One Health network
- c. Support QPT Joint plan of action workshop for the Pacific in August, 2024 – participation of PICTs reps from the 3 sectors



# Recommendation

Partners are invited to:

- a. Continue supporting PICTs and advocating for the adoption of the One Health approach (2022 PPHSN recommendation) in the region
- b. Collaborate with the Pacific Community (SPC) to sustain efforts to strengthen the One Health approach in the region through the Pacific One Health Network and governance mechanism
- c. Support PICTs implementation of the Global Health Security projects and advocate for the One Health approach

# Acknowledgement

- DAFF, Australian Government
- PICT focal points
- Partners
- Quadripartite (WHO, FAO, WOA, UNEP)
- SPC Directors for LRD & PHD

Invitation to all to join our One Health community for updates on activities, events, projects, opportunities, etc. by completing the following excel sheet.

[Pacific One Health Interest Group 2024+.xlsx](#)

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Not a new concept....however,.... a new professional imperative!

**We need a One Health way of thinking**

