

Think tank on Infectious Diseases in the Pacific: EU/Pacific Cooperation

Tahiti, Nov 12-14, 2014

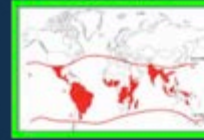


CONTEXT

Tropical environments



Outbreaks in other parts of the world



Regional/International Travelling



**Emergence/Persistence
infectious diseases**

Natural disasters



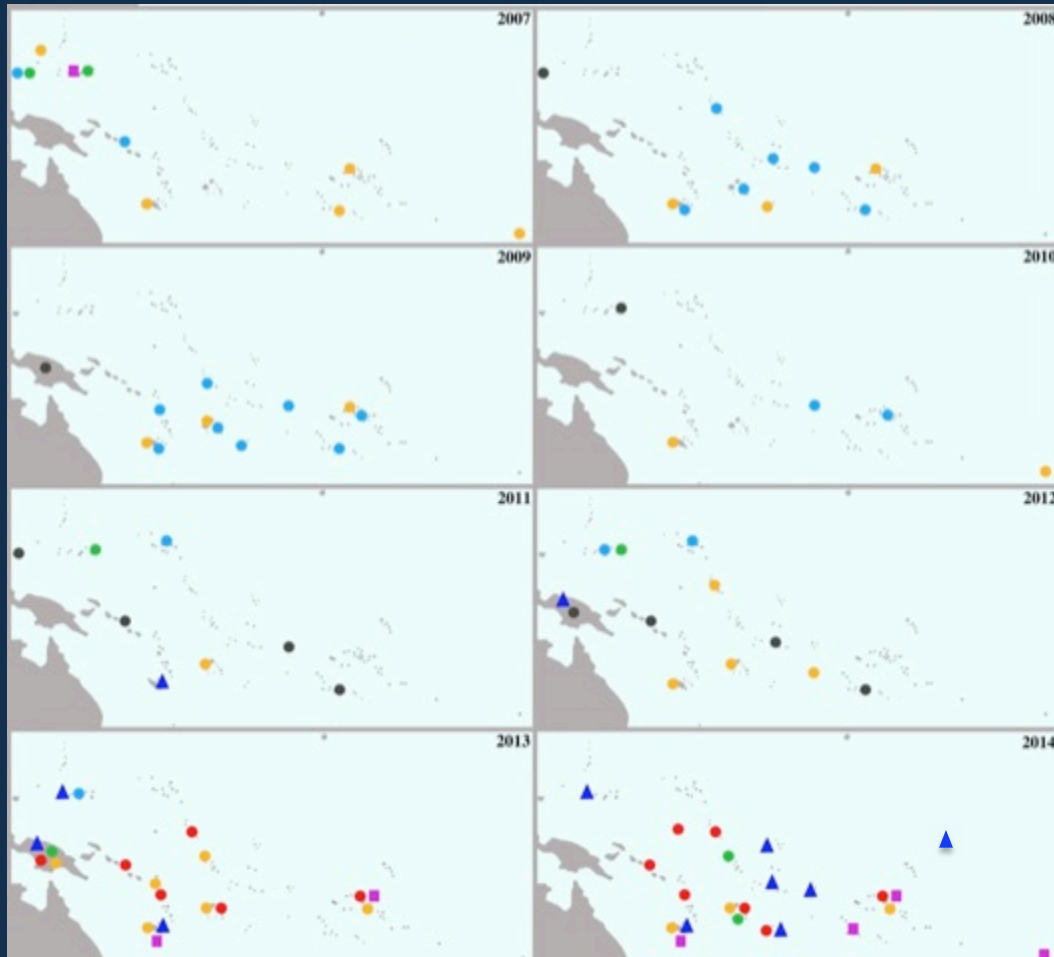
Poverty
Poor sanitation

Lack of
workforce
skills



CONTEXT

➤ *Ex. recent emergences of mosquito-borne viruses in the Pacific*



Adapted from Cao-Lormeau & Musso, Lancet (2014)



Methodology

- Wkshop 1: State of the Art
- Wkshop 2: Management and control
- Wkshop 3: UE/Pacific cooperation
- Wkshop 4: Some projects ideas

Participants



Academic and applied science institutions (EU, Pacific)



Public health services and Pacific regional organizations



Medical laboratory staff (Pacific)



Institutions involved in diseases surveillance (EU)

Workshop 1: *State of the Art* - « Worldcafé »

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Objective

Choose one specific situation as an example and identify the weaknesses/strengths/challenges

Workshop 1: *State of the Art* - « Worldcafé »



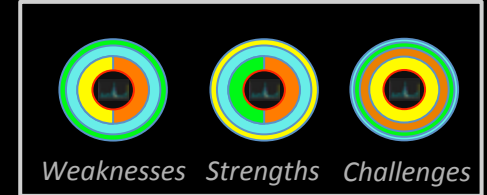
Out come

Identification of the “main challenges” as defined by weaknesses/strengths balance

Workshop 1: *State of the Art* - « Worldcafé »

1. Diagnosis

- Improve/develop diagnostic tools
- Implement specific diagnosis on-site
- Train/accredit/recognize lab staff



2. Public Health Policy

- Improve/implement decision trees
- Monitor/implement/develop PH programs (vaccine/surveillance/control)
- Obtain community compliance/commitment

3. Data, expertise, knowledge

- Collect/share baseline data on the drivers of infectious diseases emergence/persistence
- Share expertise and provide capacity building
- Evaluate the PH/economical/social burden of infectious diseases

4. External technical support

- Extend the use/develop new tools for fast/cheap shipment of specimens to reference labs

Workshop 2: *Management and control* - « Modeling »

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Objective

Choose one specific case/study and design the diagram of intervention

Workshop 2: *Management and control* - « Modeling »

- *Chikungunya outbreak in Samoa, 2014*
- *First detection of Chikungunya virus in New Caledonia, 2011*
- *Chikungunya outbreak in Yap, 2013*
- *Zika virus outbreak in the Cook Islands, 2014*
- *Dengue virus serotype 3 outbreak in Solomon Islands, 2013*
- *Leptospirosis outbreak in Fiji, 2012*
- *Malaria in Papua New Guinea*
- *Measles in Federated States of Micronesia*
- *Typhoid in Fiji*

Workshop 3: *Pacific-EU cooperation* - «Brainstorming»

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Infectious diseases in the Pacific:
Pacific/EU common research interests
and prospects?

METHODOLOGY

ACADEMIC / FUNDAMENTAL
RESEARCH

R & D
vaccines
diagnostic tests
treatments

ACADEMIC / APPLIED
RESEARCH

PATIENTS
CLINICAL/BIOLOGICAL
DIAGNOSIS

PUBLIC HEALTH

FIELD DATA/SPECIMENS

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Pacific main interests?

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Europe main interests?

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Different interests but common
needs...

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1

PUBLIC HEALTH

FIELD DATA/SPECIMENS

2