



Pacific-Europe Network for Science, Technology and Innovation

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Pacific-Europe Network for Science, Technology and Innovation: objectives and consortium



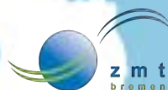
The Association of Commonwealth Universities



Sociedade Portuguesa de Inovação



UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION



z m t
b r e m o n



USP
THE UNIVERSITY OF THE SOUTH PACIFIC



Landcare Research
Manaaki Whenua

MONTRIX



SPC

Secretariat of the Pacific Community

CPS

Secrétariat général de la Communauté du Pacifique

University of Papua New Guinea

National University of Samoa

Vanuatu Cultural Centre

CNRT Nickel et environnement

Institut Louis Malardé

Australian National University

Landcare research

Montroix Pty Ltd

University of the South Pacific

Secrét. gén. de la Communauté du Pacifique

United Nations Industrial Devt Organization

Technical Centre for Agricultural & Rural Cooperation

Association of Commonwealth Universities

Sociedade Portuguesa de Inovação

Leibnitz Center for Tropical Marine Ecology

Institut de Recherche pour le Développement

UPNG - Pap.New Guinea

NUS - Samoa

VKS - Vanuatu

CNRT – New Caledonia

ILM – Polynesia

ANU - Australia

LCR – New Zealand

MPL - Australia

USP – Regional (Fiji)

SPC – New Caledonia

UNIDO - International

CTA - International

ACU – United-Kingdom

SPI - Portugal

ZMT - Germany

IRD - France

Societal challenges

Challenge 1: Health, demographic change and well-being

Challenge 2: Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the bio-economy

Challenge 3: Climate action, environment, resource efficiency and raw materials

Main project objectives

Strengthen EU-Pacific cooperation in ST&I with a focus on 3 societal challenges

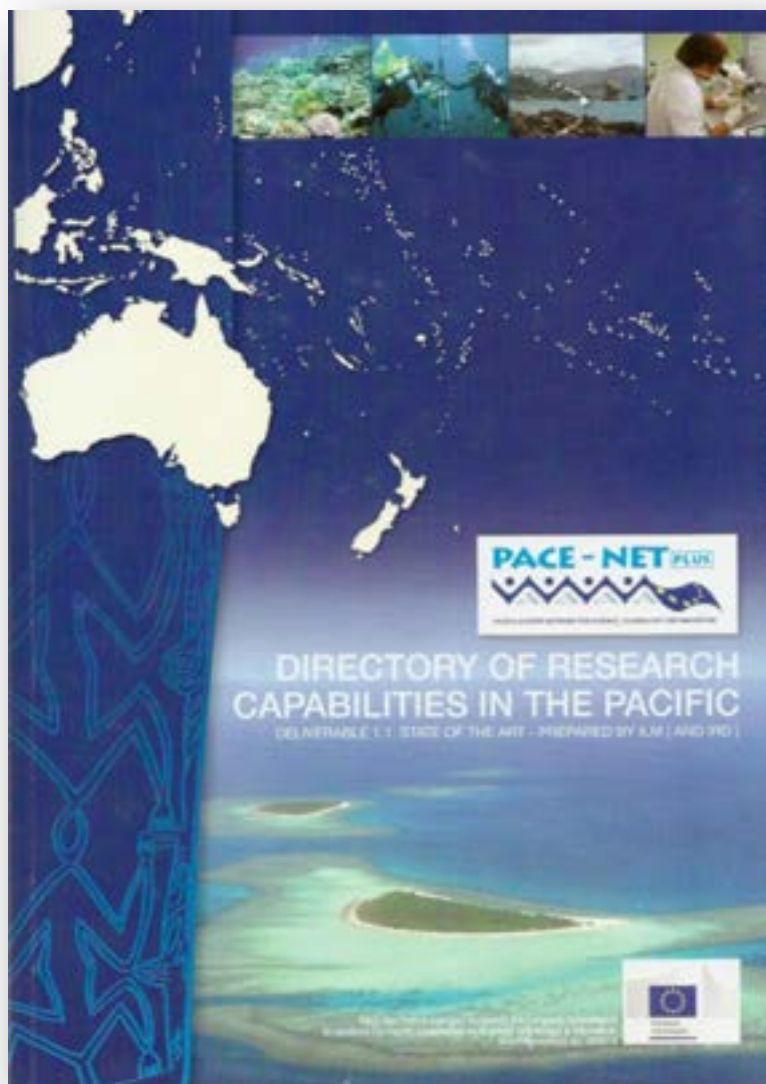
Stimulate cooperation on innovation issues

Encourage EU-Pacific research partnerships

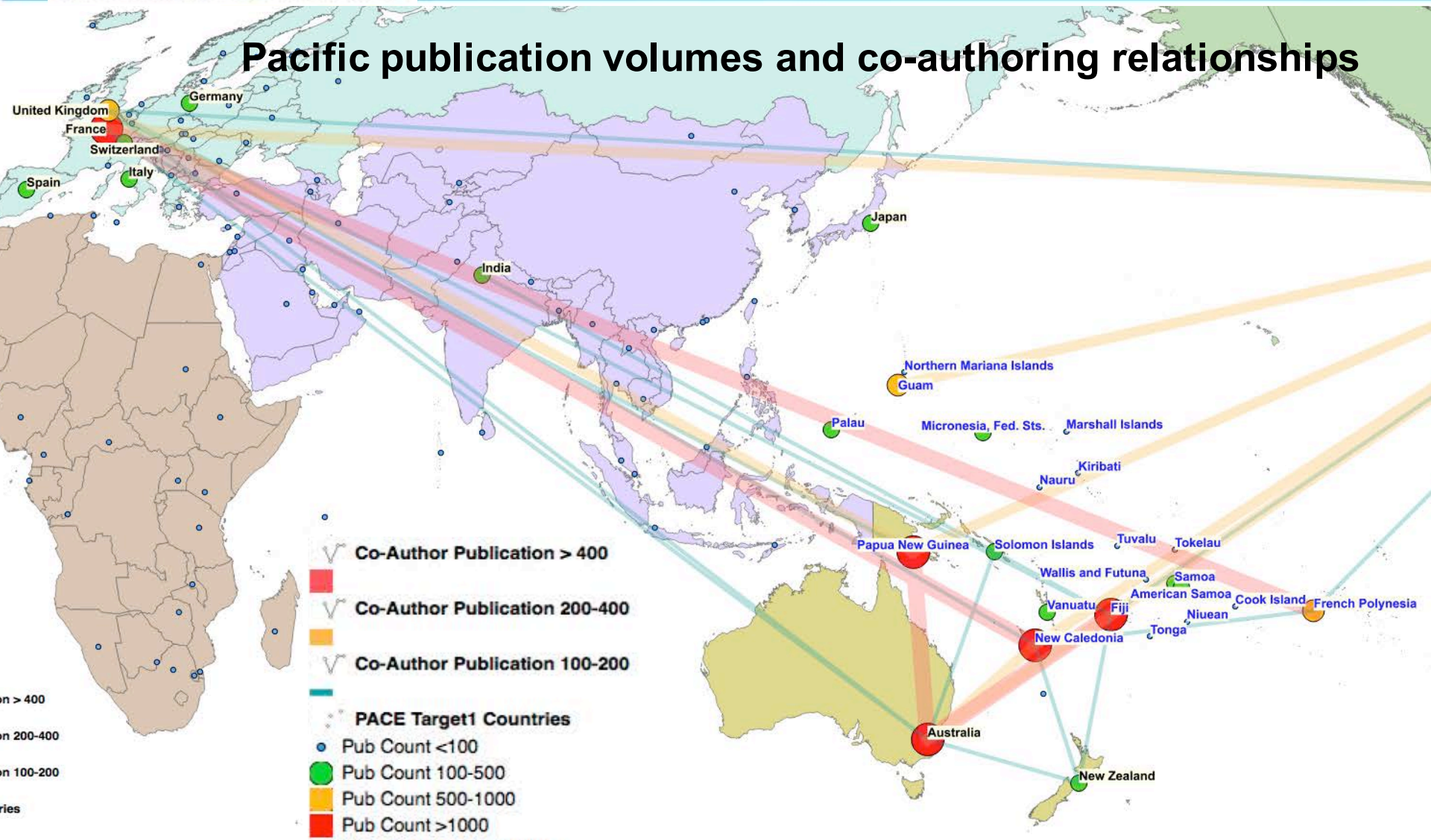
Reinforce the bi-regional policy dialogue in ST&I between EU and the Pacific

- Contribute to the **EU exposure in the Pacific**
- Geostrategic importance of a **Pacific-Europe partnership**
- Opportunity for the **PICTs and OCTs of the Pacific** (reinforce cooperation and improve their regional integration)
- **Specific challenges** for the PICTs (Pacific Island Countries & Territories)
 - Constraints imposed by limited or uneven national capacities in STI
 - Durability of the environment, the economies and cultures

- **STATE OF THE ART** (Directory of Research capabilities in the Pacific, Bibliometric analysis etc.)
- **INFO DAYS on Horizon 2020** (in Sydney, Noumea, Papeete, Auckland, Fiji etc.)
- **THEMATIC WORKSHOPS -THINK TANKS** (in Europe and in the Pacific to update and identify scientific priorities; innovation niches; joint activities and recommendations on actions and programmes)
- **SEED-FUNDING**: call for projects on PACE-Net Plus seed-funding (21 selected projects, relating to the 3 societal challenges to encourage bi-regional cooperation)
- **INNOVATION**: identification of innovation sectors and niches in the Pacific, of factors underlying innovation process (& recommendations to bridge the gap between the private and public sectors)
- **BI-REGIONAL PLATFORMS OF DIALOGUE** Auckland (2014), Brussels (2015), Fiji (2016)



Pacific publication volumes and co-authoring relationships



**Sydney, Noumea, Papeete,
Auckland, Fiji etc.**

- 1. Structure of Horizon 2020**
- 2. Basic rules of participation**
- 3. International cooperation aspects**
- 4. Individual opportunities**
- 5. Collaborative opportunities**
- 6. SME opportunities**
- 7. Strategy & hints**



In EU and in the PAC to update and identify scientific priorities; innovation niches; joint activities and recommendations on actions and programmes on:

- ✓ **Non communicable diseases**
- ✓ **Food security**
- ✓ **Adaptation and resilience, water and waste management**
- ✓ **Lagoon and ocean health (fishery & ciguatera)**
- ✓ **Infectious diseases**
- ✓ **Mineral resources and environment**
- ✓ **Observation systems of climate change and its impact**
- ✓ **Innovation and agriculture**



Observation systems of climate change and its impacts in the South Pacific



June 2015, IRD Centre Noumea (NC)

This workshop focussed on 3 scientific and technological area of research :

- **Oceanography**, ocean atmosphere interactions and variability
- Impacts of climate change on the **ecosystems and the biodiversity** on the marine and terrestrial resources
- Impacts of climate change on **societies**

Guidance note for the EU Institutions on the improvement of the systems of observation and the partnerships to implement



Launch of the calls in 2015 for the 3 PACE-NET Plus societal challenges:

- 67 proposals received
- 21 projects granted
- **Networking** of scientists from both regions
- **Basis for bigger projects (co-funding)**



- **Mapping** of innovation **actors** and **sectors**
- **Identifying factors** underlying innovation processes
- Suggesting **areas and niches for potential innovation** among the public and private sector
- **Toolbox and policy recommendations** for the implementation of innovation projects in the Pacific region



Platforms of regional and bi-regional policy dialogue in ST&I

In Auckland, Brussels and Fiji

- How to foster and better structure the **policy dialogue**
- How to enhance PAC/EU **cooperation** strategies?
- How to facilitate access to **H2020**?
- Address societal challenges (**incl. Climate change**)



Towards a Pacific STI Agenda

- Assist regional leaders to achieve the objectives of their **national development strategies**, through national and regional research findings;
- Ensure Pacific research activities are **connected to global networks** in order to enhance their local impact as well as contribute to global solutions;
- **Foster bi-regional dialogues** on the basis of excellent and equitable outcomes.

Towards a Pacific STI Agenda

- COP21 demonstrated the **impact** of a joint Pacific initiative
- Based on the PNP experience we could propose some steps towards a **common strategy** to facilitate achieving the SDGs
- The future of the PICTs might benefit from **strengthened regional capabilities** to support autonomous decision making
- Our suggestions support the **Framework for Pacific Regionalism** and propose some coherent key actions to achieve this goal

- Consolidate the **bi-regional dialogue** in ST&I
- Establish bigger **seed-funding schemes** for cooperation between the PICTs, the OCTs and EU partners
- Contribute to the strengthening and integration of **observation systems** of the climate and global changes and their impacts in the Pacific.