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SIXTH MEETING OF THE PACIFIC METEOROLOGICAL COUNCIL (PMC-6) THIRD PACIFIC MINISTERIAL MEETING ON METEOROLOGY (PMMM-3)

● [HTTPS://WWW.PACIFICMET.NET/PMC-6-2023](https://www.pacificmet.net/PMC-6-2023)

Sixth Meeting of the Pacific Meteorological Council (PMC-6)

Sustaining Weather, Climate, Water and Ocean Services for a Resilient Blue Pacific

14-16 August 2023, Sofitel Fiji Resort and Spa, Denarau, Nadi, Fiji

Agenda item 17.9: CLIPSSA Project - Pacific Climate, Local knowledge and Adaptation strategies

Purpose of the paper: to present and promote the CLIPSSA project

The Climat du Pacifique, Savoirs Locaux Et Strategies D'Adaptation (CLIPSSA) regional project is an applied research project involving climate sciences and social human sciences to support planning adaptation responses by public authorities in Vanuatu, New Caledonia, Wallis and Futuna and French Polynesia.

The CLIPSSA project will provide new future climate data at 20 km and 2.5km high-resolution on a large South Pacific area and French overseas territories of the South Pacific and Vanuatu, covering much more countries than the territories mentioned above.

Background:

The South Pacific island states and territories are at the forefront of the fight against climate change because of their high exposure and vulnerability to the region's diverse weather patterns.

As part of their climate change adaptation plans, Pacific island territories have repeatedly expressed their need to acquire general knowledge about the future climate, particularly for managing their water and food resources and to build their adaptation strategies to consider local knowledge and resources.

CLIPSSA is a regional project that aims to develop new scientific data on the future climate of the South Pacific (by 2100) to analyze sectoral impacts and local knowledge and adaptation practices already existing in each territory.

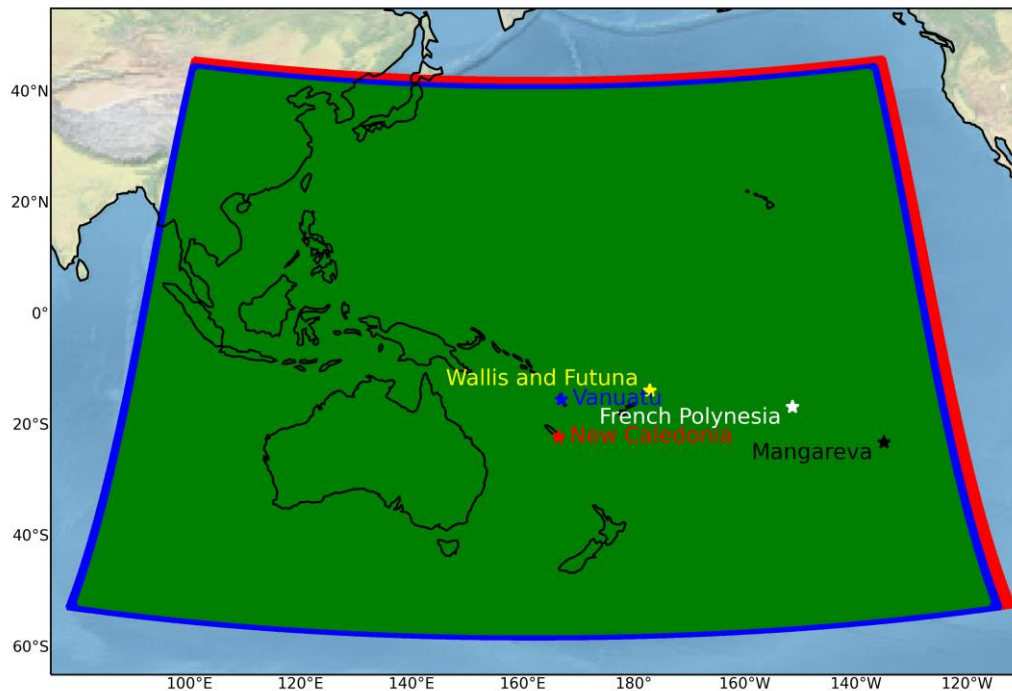
The CLIPSSA project aims to:

- Provide high-resolution (20 km) future climate simulations for the whole South Pacific and very high-resolution (2.5 km) at the island scale for Vanuatu and the French overseas territories of the South Pacific.
- Characterize socio-territorial issues and vulnerabilities by analyzing them and the local resource and actors' potential to understand better local knowledge and practices and transmissions.
- Characterize impacts and potential risks by carrying out sectoral impact modelling on the agriculture and agricultural water sectors.
- Produce operational adaptation responses by (i) feeding existing climate portals to make future climate data available on an open access basis for local, national or regional institutions of the Pacific island states and territories as well as other actors (private sector, associations, etc.), and (ii) supporting the development or updating of climate change adaptation strategies, in particular by drawing on local knowledge and promoting it among local populations.

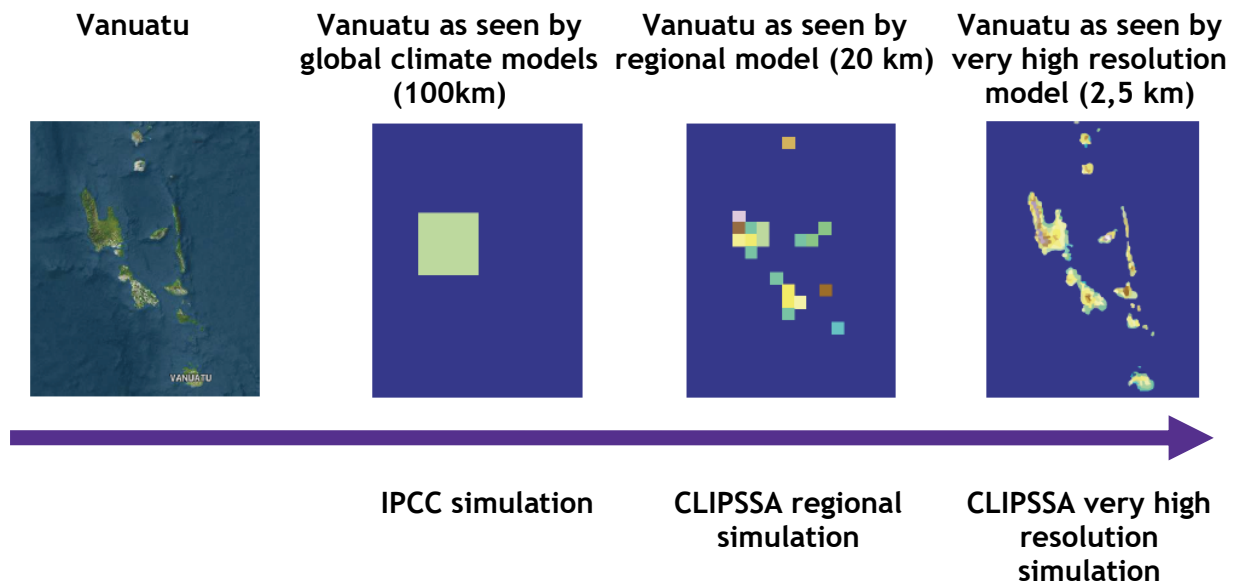
Funding: 3,8 millions Euros (French Development Agency – AFD ; French National Research Institute for Sustainable Development- IRD ; Météo-France)

Duration: 4 years from 2021 to 2025

Human resources: 25 researchers and other professionals involved.



CLIPSSA regional simulation domain (20 km)



The objectives of the agenda:

1. to present the CLIPSSA project

Recommendations

The Meeting is invited to:

- **Note** that CLIPSSA project will provide new high-resolution future climate data for the South Pacific, as well as information on risk culture and local appropriation of climate change adaptation strategies.