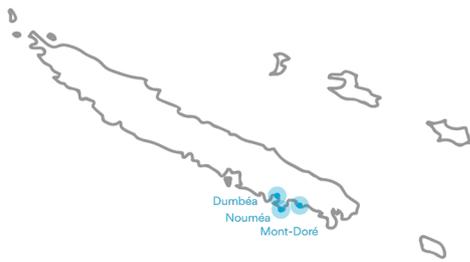


NEW CALEDONIA

October 2023



The World Mosquito Program in New Caledonia is part of a global, not-for-profit initiative that is working to protect local communities from mosquito-borne diseases.

In March 2018, we announced a new partnership with the Government of New Caledonia, the City of Nouméa and the Institute Pasteur in New Caledonia to protect communities in New Caledonia from mosquito-borne diseases.

	Project start	Communication campaign and community engagement	Release phase	Monitoring
Nouméa	2018	2018 and 2019	2019 - 2021	2022
Dumbea and Mont-Doré	2021	2021	2022	2023
Païta	2023	2023	2023	



3
project sites



size of the project
144 km²



150,000
target population

PUBLIC ACCEPTANCE
measured by survey

94% Nouméa
91% Dumbéa
91% Mont-Doré



30
project staff



2319
volunteers who released mosquitoes

15
local partners and supporters



MOSQUITO- BORNE DISEASE BURDEN IN NEW CALEDONIA

Mosquito-borne diseases such as dengue pose increasing health concerns for New Caledonia.

According to a World Health Organization report, more than 4000 dengue cases and 10 deaths were reported between September 2016 and June 2017.

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Many countries in the Pacific, including New Caledonia, are always at risk from the threat of mosquitoes. With the self-sustaining *Wolbachia* method, we have a chance to use the best of nature to fight the worst of nature.

- Dr Tristan Derycke, City of Noumea Deputy Mayor



Our pilot project to introduce naturally occurring *Wolbachia* bacteria to mosquito populations in Nouméa started in 2019. Releases have continued following initial success and the last mosquito releases in the city took place in June 2021. The latest results in May 2023 show that 89% of mosquitoes now carry *Wolbachia*.

In September 2021, the towns of Mont-Doré and Dumbéa joined forces with WMP and its partners to deploy the *Wolbachia* method in their municipality. Mosquito releases took place from January to June 2022 in the districts of Auteuil, Koutio, Cœur de Ville, Dumbéa-sur-Mer and Plaine Adam in Dumbéa and in the districts of Yahoué, Pont-des-Français, La Conception, Robinson, Boulari and Saint-Michel in Mont-Doré. At the end of these releases, more than half of the mosquitoes were already carrying *Wolbachia*. Results in April 2023 showed that 77% of mosquitoes in Dumbéa and 71% of mosquitoes in Mont Doré now carry *Wolbachia*.

Based on the successful results, two municipalities extended the program to other districts in September 2022. These included Katiramona and Pointe à la Luzerne in Dumbéa and Saint-Louis, La Coulée, Vallon-Dore, Mont-Doré Sud and Plum in Mont- Golden. Releases took place between November 2022 and April 2023, with results in June 2023 showing *Wolbachia* had already passed through the local mosquito population, with 60% and 70% of mosquitoes carrying the natural bacteria, respectively in Mont-Doré and in Dumbea.

Païta is the latest town to partner with WMP and the first mosquito releases are expected towards the end of 2023. For the fourth consecutive year, no dengue epidemic has occurred in *Wolbachia* treated neighbourhoods in New Caledonia.

Public acceptance has also been very high in New Caledonia, with an acceptance rate of 94% of residents in Nouméa and 92% of residents in Dumbéa and Mont-Doré.

Partners and supporters



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About us

The World Mosquito Program (WMP) is a not-for-profit group of companies owned by Monash University that works to protect the global community from mosquito-borne diseases. The World Mosquito Program uses naturally occurring bacteria called *Wolbachia* to reduce the ability of mosquitoes to transmit viruses to humans.

Following decades of research and successful field trial results, the World Mosquito Program is currently partnering with communities in 14 countries around the world to implement our ground-breaking

solution. We have staff working in countries across Oceania, Asia, Europe, and the Americas, and offices established in Australia, Vietnam, France and Panama.

Our approach has widespread support from communities, governments, research institutes and philanthropic partners around the world. Through collaboration and innovation, we are making a difference to millions of lives.

A collaboration between:

