



# climatmundi

## Wind power in New Caledonia

This project involves the installation of small wind farms in New Caledonia, equipped with wind turbines that can be folded down in case of a cyclonic aler.

The electrical current is injected into the local network and allows the production of renewable **electricity** which replaces fossil fuel electricity (80% of the electricity produced in New Caledonia).

This project is registered according to the Gold Standard-criteria as projet n° 566.

### Focus...

Islands in the Pacific face significant economic and environmental constraints, exacerbated by their vulnerability to climate change. The development of renewable energies in this region became therefore of a very high importance.

The project involves the installation of six small wind farms on two sites, Kafeate and Prony. 116 wind turbines were installed, representing a production capacity of 31MW, with an estimated yearly production of 40 GWh. To facilitate the installation and maintenance, systems are lightweight, easily transportable and can be assembled / disassembled by two people without any use of large machinery. Wind turbines can withstand category 5 hurricanes.

The choice of locations was decided after detailed impact studies, so as to minimize noise and impact on local ecosystems. In several cases these studies have led to changes in the locations originally chosen to reduce the noise impact or the impact on forests.



**Prony**



Emissions reductions

**36 500**

tons CO<sub>2</sub> per year

Credit's type

**VER**

Standard



Certificate dated 03/10/2011