« WiFi + XOs = better education for Nosy Komba »

One Laptop Per Child

For 3 years, associations OLPC France and G du Cœur run a 160 XOs deployment on the Island of **Nosy Komba,** a little island in the north west of Madagascar. Today, all the children of the primary school have their own pedagogical device and the 6 teachers were trained to the laptop use.

This year we are going further, we will bring the Internet to the children. Our goals:
- Allow kids and teachers to access educational resources on the web,
- Update and deploy new content easily,
- Facilitate monitoring and project assistance from France.

Our team is led by an engineer on networks and embedded systems. After different studies and quotations in 2010 we decided to choose an innovative solution based on long-range WiFi.
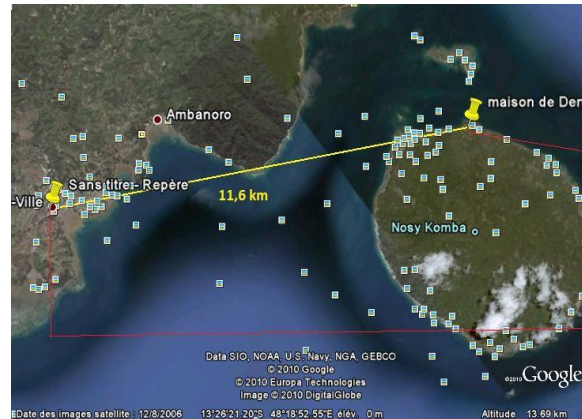
The principle is to use an ADSL connection from the nearby island of Nosy Be and to broadcast the network by WiFi directional amplification to the island of Nosy Komba located to 12km.

This sort of Long-range WiFi was already used in some OLPC deployment (i.e. Afghanistan) or in low cost web access solution in developing countries.

A test scale on 15km is planned to the battle mesh OpenWrt Barcelona and another one will be done around Paris in April.

BUDGET

antenna masts	1 500,00 €
network cabling	4 500,00 €
electrical wiring	2 500,00 €
transport	1 500,00 €
TOTAL	**10 000,00 €**

We're looking for sponsor to realize this project

PLEASE HELP US MAKE IT REAL !

What is OLPC ? What is the XO laptop ?

OLPC aim to provide each child with a rugged, low-cost, low-power, connected laptop named XO. To this end, OLPC have designed hardware, content and software for collaborative, joyful, and self-empowered learning. With access to this type of tool, children are engaged in their own education, and learn, share, and create together. They become connected to each other, to the world and to a brighter future.

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