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Aidemet Ong

## Presentation of the "Pilot Project for the promotion of Home Water Treatment based on the local production of chlorine by electrolysis".

An Information and Awakening Day on treatment and safe storage of drinking water at household and community levels, organized by the National Board of Health, was held on July 23<sup>rd</sup> 2009 at the National Museum in Bamako.



Photo n° 1: The banner.

On this occasion, *Aidemet* NGO presented in plenary on a Pilot Project for the promotion of Home Water Treatment based on the local production of chlorine by electrolysis. A demonstration stand animated by the project staff permitted to show to public and authorities the simplicity and effectiveness of the proposed technology. Samples of the concentrated solution of

chlorine produced were also distributed to visitors.

The electrolyser developed by the Swiss NGO Antenna Technologies, partner of *Aidemet* NGO, is a portable and easy to use device, allowing communities, health facilities, women's groups and other local operators to produce a concentrated solution of chlorine at 2.5° from water, salt and a power source of 12 Volts - 4 Amps. The cost of production and maintenance of this system is very small and allows a profitable and sustainable exploitation of the technology. Two kits easy to use and low cost for quality

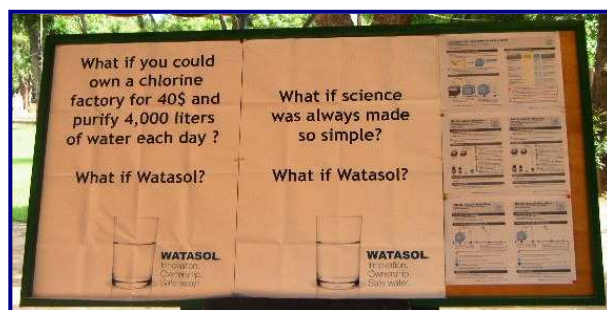


Photo n° 2 : The posters.

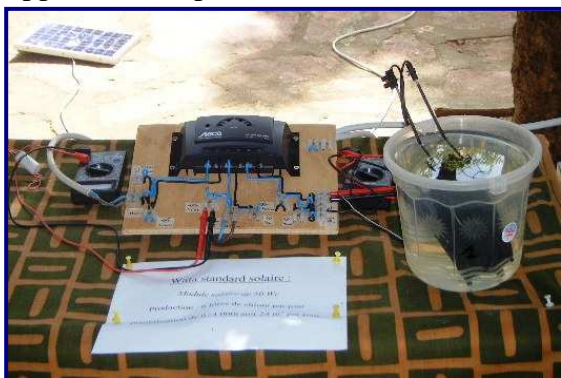


Photo n° 3: The chlorine samples.

control of the chlorine solution produced and drinking water treated complete the package of technologies offered by Antenna Technologies. Coupled with public information and awakening activities, this technology can be used to improve water quality during storage and until its use in households. This is a technology that allows uniting innovation with ownership by local people.

The objectives of the Project are: (i) testing the establishment of local small production facilities of chlorine in different contexts and regions of Mali (ii) and promoting the use of the concentrated solution of chlorine produced for the Home Water Treatment.

The expected outcomes of the Project are: (i) the documentation of the methodology and approaches experienced, of the information and animation messages used, and of their impact in terms of changing the behavior of affected populations, and of quality improvement of drinking water, (ii) the capitalization of best practices and (iii) the preparation of the scaling up of Home Water Treatment with the methodology and approaches more effective.



**Photo n° 4 : The solar device.**

will make available electrolysers and reagents kits, while ensuring scientific and technical documentation, and advising and consultancy activities.

b) An operating partner, *Aidemet* NGO, who will coordinate the Project activities and act as an interface with UNICEF and with Antenna, while carrying up the intervention in Kadiolo (Sikasso) and in Banconi (Bamako).

c) An institutional partner: the National Federation of the Community Health Associations, which will chair the Monitoring Committee; its input will be the facilitation of access to structures of community

The working group for implementing the project provides:

a) A strategic partner, Antenna Technologies, who



**Photo n° 3 : The visit of authorities**

health and the preparation for the scaling up.

d) Three other operational NGO: Training without Borders (technical support and intervention in Mopti), Le Tonus (intervention in Kayes), AS Eden (intervention in Bamako, Commune V and Ganouan).

e) A technical and financial partner: UNICEF-Mali. The project is part of the five-year plan of Cooperation Mali-UNICEF 2008-2012 and especially of the work plan 2009 of the WASH Project (Water Sanitation and Hygiene), which provides for the implementation of pilot projects on



**Photo n° 4 : Explaining to the public.**

Water Home Treatment in the most exposed areas.

The preliminary study phase of the project with UNICEF for financing is well advanced. If funding is acquired, the project could contribute to improving the quality of drinking water at household level and the reduction of waterborne diseases.

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**Photos : Archives *Aidemet* and Formations sans Frontières**  
**Sites web : [www.aidemet.org](http://www.aidemet.org) ; [www.antenna.ch](http://www.antenna.ch)**