



# THE SUEZ ENVIRONNEMENT WATER FOR ALL FOUNDATION

## **USE OF THE GRAND PRIZE AWARDED IN 2009 TO THE INTERNATIONAL INSTITUTE FOR WATER AND ENVIRONMENTAL ENGINEERING**

The Grand Prize for the 1<sup>st</sup> edition of the contest organised by the SUEZ ENVIRONNEMENT Water for All Foundation in 2009 was awarded to the International Institute for Water and Environmental Engineering<sup>1</sup> (2iE), based in Ouagadougou, Burkina Faso, for their "Collective Water Supply Points" (CWSP).

The innovation was developed by Dr. Amadou Hama Maïga, Deputy Managing Director of 2iE, in response to the needs of households in small urban centres for whom the communal stand pipe system is unsatisfactory but who cannot afford the cost of individual connections.

The experimental phase for the technology, deployed since 2000 on some fifty pilot sites in 4 towns of Burkina-Faso and Mali, enabled the supply of drinking water to 640 households, representing some 8,000 people.

### **DEPLOYMENT OF CWSPs IN OTHER URBAN CENTRES**

The Grand Prize of 100,000 euros awarded by the SUEZ ENVIRONNEMENT Water for All Foundation has allowed 2iE to deploy CWSPs in other urban centres and to continue testing the adaptability of the technology to various contexts.

The new projects in the region of Timbuktu in the north of Mali are being carried out in partnership with the Mali Energy Board (EDM) and the National Hydraulics Department.

10 CWSPs each with 16 draw-off faucets will be built and enter service in November 2010: four of them to improve the water pipe supply system, and six to extend the mains supply to two previously unconnected poor districts.

### **DISSEMINATION OF THE TECHNOLOGY AND ACCESS FOR THE GREATEST NUMBER**

The 2009 Grand Prize has enabled the publication and dissemination of a data sheet on to the various models of the CWSP, including their construction, operation, management, etc., so that the technology can be used by the greatest number of people. The leaflet is also downloadable from the 2iE website.

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<sup>1</sup>Video presentation (in French): <http://www.concoursaupourtous.fr/fr/laureats/le-grand-prix-2009/grand-prix-2009/>

### **CAPACITY-BUILDING ON DECENTRALISED SERVICES MANAGEMENT**

The Grand Prize has helped build the capacities of 4 municipal authorities in Burkina Faso, as well as those of 4 in Benin and 4 in Cameroon by organising 4 training courses in each country.

The training courses were taken by a total of 407 stakeholders – including 50 women – from local authorities, the private sector and civil society to improve public-private partnerships in the decentralised management of drinking water and sanitation services in these countries.

75% of the funding for these training courses was provided by the European Union and 25% by 2iE with the Prize from the SUEZ ENVIRONNEMENT Water for All Foundation.

### **INCREASING RESEARCH PROGRAMMES ON WATER AND SANITATION**

The Grand Prize of the SUEZ ENVIRONNEMENT Water for All Foundation has allowed 2iE to reinforce its research programmes on innovative technologies in water and wastewater treatment.

A call for applicants will be launched at the end of June 2010 to finance two PhD theses: the first on the treatment and (or) re-use of wastewater, the second on the elimination of arsenic and fluorine from drinking water.

The Grand Prize will be used to finance the expenses of both PhD students and part of their research costs.