ANNEX IV

ALUMNUS - LED CIVIC ENGAGEMENT ACTIVITY
Oulad Younes Mohamad, EFE Alumnus and Build Your Business (BYB) graduate, won a Velaj Foundation Alumni Community Service Award to implement the Tamekrest Ram-Pump Project (TTP) initiative.

**The Velaj Foundation Alumni Community Service Award**

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**Overall Objective**

“Tamekrest Ram-Pump” project is an innovative project designed by Mr. Oulad Younes Mohamad that aimed to pump water from the source of the Tamekrest waterfalls to give easier access and provide a water point for the region's isolated inhabitants.

**Context and Approach**

Regions with fresh water sources such as Tamekrest, an isolated and rural local community, are deprived of water pumping systems, not only hampering local development and economic growth, but also endangering plant and animal biodiversity. The TTP project came as a solution to supply irrigation water to this community, through the installation of an hydraulic ram. Without the need for any complex technological equipment, the manufacture and assembly of the mechanism remains within the reach of any average handyman, which ensures sustainability beyond project's end. Hence, the TTP project offered an eco-friendly, easy manufacturing and assembly system, with no energy source needed to supply the community with water pumping system, and irrigation water.
Activities

Once the site was prepared, 8 hours of installation works took place in addition to 5 hours of flow measurement tests. Upon completion, the mechanism managed to transfer the water over 20 linear meters and a height of 4 meters from the bottom of the river to the top of the plants to be irrigated. The ram pump made it possible to generate a drip irrigation rate of ten cubic meters per hour.

The project also encouraged 10 local university and technical/vocational academy students to invest their capacities into projects that require minimal resources but that nevertheless have a considerable social impact. In addition to this awareness-raising activity, another one was carried out installing the ram pumping kit for farmers living near Tanget in the wilaya.

Towards replicability

Another goal was to encourage local academic students to invest their capacities into projects that require minimal resources but have valuable social impact. A site visit was organized allowing 10 youth from the University of Tamanrasset to get acquainted with the TTP initiative. The realisation of this kit made it possible to demonstrate its mode of operation, its feasibility, and replicability, as a collaboration was initiated with the University of Tamanrasset and TVET centres to jointly design and manufacture disassembled ready-to-use kits which could later be tested in other sites in the region of Tamanrasset.

EFE's Contribution

Although this project did not fall within the BAYF project's scope of work, the team provided support by ensuring the engagement and buy-in from relevant authorities and stakeholders, organising sites visits, coordination meetings, and invited the incubator of “Tek2hub” who subsequently agreed to extend support to the project.