



STAMP

Sustainable Technology Adaptation for Mali's Pastoralists.

The project is funded by the Netherlands Space Office (NSO) through the "Geodata for Agriculture and Water" facility. STAMP aims to improve resilience among climate affected pastoralists, through access to and use of geo-satellite derived data. This service allows users to access the following reliable information: (i) biomass availability, (ii) biomass quality, (iii) surface water availability, herd concentration and (v) market prices for livestock and staple grains along the different transhumance routes.

Commercially launched in November 2017, "Garbal" service results in an information service tailor-made to pastoralists' information and decision making needs, giving them more predictability for their herd migration. It is offered over a simple mobile phone through a call to a center managed by Orange Mali or from an Unstructured Supplementary Service Data (USSD) menu for livestock and cereal prices. Three months after its start, the service recorded 683 calls and 1868 USSD requests, which proves its active use. This innovative service was awarded with the 1st national prize of Orange Social Venture Prize in 2017.

The project is implemented under a public-private partnership. Thereby, 70% of the funding is provided by the Netherlands Space Office (NSO). The remaining funding is covered by partners including Orange Mali, who exploits the call center commercially. The satellite data are processed and stored by Hoefsloot Spatial Solutions (HSS), with additional satellite data and algorithms provided by Action Against Hunger.

The Malian Institute for Rural Economy (IER) provides technical backstopping to Garbal call center's operators within the framework of its already existing collaboration with Orange Mali. Tassaght local NGO in Gao and Menaka regions, organizes data collection in the field, together with pastoralists themselves, especially on biomass quality, herd concentration and market prices. SNV handles the project coordination and, ensures that the information format matches perfectly with the pastoralists' realities, needs and aspirations. Finally, on monitoring and evaluation, SNV benefits from the technical assistance of Project Concern International (PCI), which introduced the use of geo-satellite maps as a decision support tool for the mobility of pastoral communities in Ethiopia, Tanzania and Kenya.

An information service tailor-made to pastoralists information and decision making needs, giving them more predictability for their herd migration



The expected results of the project in 2018 are as follows: (i) Livestock mortality reduced by 15% for 60 000 pastoralists and agro-pastoralists in Gao & Menaka regions ; (ii), livestock productivity improved by 10% for 60 000 pastoralists and agro-pastoralists (iii), income from livestock increased by 10% for 60 000 pastoralists and agro-pastoralists in Gao & Menaka regions.

Partnership

- Action Against Hunger (ACF), Spain
- Hoefsloot Spatial Solutions (HSS), Netherlands
- Institute of Rural economy (IER), Mali
- ORANGE, Mali
- Project Concern International (PCI), USA
- SNV Netherlands Development Organization, Mali
- Tassaght, Mali

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