



# Sustainable Technology Adaptation for Mali's Pastoralists (STAMP)

**STAMP aims to improve resilience among climate affected pastoralists, through access to and use of geo-satellite derived data. This will result in an information service tailor-made to pastoralists' information and decision making needs, giving them more predictability for their movements.**

The service will provide instant access - along the points of their different transhumance routes - to reliable information on:

- biomass availability and quality,
- surface water availability,
- herd concentration and
- market prices for livestock and staple grains

## Target user group

Towards the end of the project period, 75,000 food producers will actively use the information service in the Gao region, Mali. When the project is finished, the pastoralists and agro

pastoralists in this region will see their:

- livestock mortality reduced by 15%
- livestock productivity improved by 10%
- income from livestock sales increased by 10%

## Business proposal

The services are offered over simple mobile phones against a modest fee to subscribers per request to a Unstructured Supplementary Service Data (USSD) menu for livestock and cereal prices. The mobile platform and call centre is owned and run by ORANGE Mali, who exploits it commercially.

The satellite data are processed and stored by Hoefsloot Spatial Solutions (HSS), with additional satellite data and algorithms provided by Action Against Hunger (ACF). Institute d'Economie Rurale (IER) will provide technical backstopping to the call centre's operators to aid pastoralists with decision making beyond transhumance.

Pastoralists and agro-pastoralists get timely, location specific and reliable information, to decide about moving the livestock, selling off part of the herd or restocking



SNV and Tassaght ensure that the information format matches perfectly with the pastoralists realities, needs and aspirations, and ensure the field data collection on biomass quality, herd concentration and market prices. Project Concern International (PCI) provides technical assistance on monitoring and evaluation and on the design of the service to be provided.

#### Partnership

- Action Against Hunger (ACF), Spain
- Hoefsloot Spatial Solutions (HSS), Netherlands
- Institut d'Economie Rurale (IER), Mali
- Project Concern International (PCI), USA
- ORANGE, Mali
- SNV Netherlands Development Organisation, Mali

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