



WEHUBIT

Project name
AfriScout

Country
Tanzania



Implemented by



Budget
350.000 €

Duration
06/2019 – 06/2021

Contribution to SDGs



Implemented by



Financed by



CHALLENGES/CONTEXT

Traditional livestock herders, known as pastoralists, serve as the primary custodians of Tanzania's grasslands - one of the most important ecosystems and a critical resource for addressing climate change.

However changing climatic conditions, coupled with the limited field of vision when using traditional methods of finding pasture, has severely limited the predictive capacity of pastoralists in effectively managing herd movement.

As a result, a typical household loses over a quarter of their livestock every year and rangelands continue to deteriorate.

DIGITAL SOLUTION/APPROACH



Realizing that pastoralists could make more intelligent grazing decisions with better data, AfriScout was created. AfriScout is a mobile subscription service using satellite imagery and crowdsourced indigenous knowledge to aid pastoralists in making more informed grazing decisions that restore rangelands, improve food security, and help poor families with positive climate change coping mechanisms.

The app acts as the "shepherds' eye in the sky" helping to optimize climate-smart management of rangelands and the lives of the people and livestock that rely on them.

WEHUBIT EFFECT



EXPANDED MAPPING

Support from Wehubit enabled the mapping and expansion to Simanjiro District, as well as enhanced map designations of protected grazing areas.

INCREASED ACCESS

Wehubit's contributions have helped to register over 2,700 new accounts which support over 19,000 pastoral households in Northern Tanzania.

INCREASED USE AND ENGAGEMENT

Over 800 alerts have been shared on the app by AfriScout users in Tanzania, warning peers of livestock diseases, predators, conflicts, and other grazing related hazards.

EXPECTED ACHIEVEMENTS

With the AfriScout grazing maps, a typical user experiences over \$2,000 in improved value (i.e about \$67 per cow).

Beyond economic opportunity, AfriScout contributes to improve rangeland management, reduce conflict, and increase digital literacy. From an ecological perspective, users are able to practice more precise and effective rotational grazing--stimulating plant growth, fertilizing and enhancing the absorptive capacity of soil, and even aiding in seed dispersal and plant diversity.



LESSONS LEARNED

Throughout the mapping process the project has incorporated stakeholders representing all parts of the ecosystem from traditional leaders to government officials to wildlife conservancies.

By having a better understanding of how each stakeholder views rangelands Afriscout has been able to better represent a multitude of interests and classifications in the maps to better help users navigate the rangelands in peace.

WOULD YOU LIKE TO KNOW MORE?



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