

Sagri Co., Ltd.

"Automated Plotting of Farmland and Simple Soil Analysis through Satellite Data and AI" (Kenya)

Survey Contents

<Background> Agriculture is an important industry in Kenya, accounting for 30% of its GDP, and 40% of the population is engaged in farming, but most of them are small-scale farmers who are close to being self-sufficient, and increasing their income is an urgent issue. In an effort to increase self-sufficiency, the Kenyan government is working to improve agricultural productivity by introducing subsidies for grains and launching a mobile e-coupon system for fertilizer distribution etc., but the agri-tech sector still has significant room for growth and improvement.

<Goal> Sagri's strength lies in the use of its satellite data and technology to visualize farmers' farmland conditions in developing countries and to provide optimal advice from an agronomic perspective on farmers' farming conditions, utilizing analysis technology developed in Japan to improve field conditions.

It has developed an application that uses satellite data to estimate the cultivation status of farmland and the type of crops to be planted, which will contribute to reducing the burden of visual checks and input into paper maps and ledgers in surveys of farmland use. In addition, a simple soil analysis system using satellite data and AI, as well as technology that enables the creation of farmland will make it possible to effectively plot and manage farmland.

Future Vision

The use of satellite data to increase the value added per unit area of farmland is effective and significant in many African countries, and Sagri plans to commercialize its business in Africa within five years. In addition to Kenya, the company is also considering commercialization in South Africa, Rwanda, Ghana, Nigeria, and other African countries.

About Sagri Co., Ltd.

Sagri has developed "ACTABA," an application that grasps the cultivation status of farmland from satellite data, "DETABA," an application equipped with a model that estimates planting stocks using satellite data, "Sagri," a farm management application, and other products to support agriculture and promote financial inclusion not only in Japan but also overseas.

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