

UNLOCKING AGRICULTURAL INTELLIGENCE FROM THE PATTERNS OF THE PAST



Digital Earth
AFRICA

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Digital Earth Africa is using satellite imagery to improve food security in Africa.

Sub-Saharan African economies spend 30–50 billion USD per year importing food. Improvements to agricultural practice such as crop monitoring, irrigation and correct pesticide use could boost domestic food production and enhance food security across the continent.

By providing farmers with decision-ready data that helps them to optimise their sowing practices, Digital Earth Africa could help to raise yearly wheat production by 136,000 tonnes, bringing a benefit of at least 35 million USD to the African economy¹.

Digital Earth Africa provides continental-wide satellite data, analysis tools and information services that help to address food security issues. For example, DE Africa's Cropland Extent Map provides the crop presence and absence across the entire continent. This is an accurate, high-resolution map that is critical for next level crop monitoring products.

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1. World Economic Forum, 'Unlocking the potential of Earth Observation to address Africa's critical challenges.'

Image right caption: Crop labels collection using the Enabling Crop Analytics at Scale (ECAAS) Tool by staff from the Ministry of Agriculture, Zambia. The ECAAS tools is a joint initiative of DE Africa, RCMRD, Frontier SI and Tetra Tech.

