

DigitalGlobe Partners with Vodafone to Create IoT for Agriculture



DigitalGlobe has announced the release of [Sensing4Farming](#), an Internet of Things (IoT) product for smart, digital and precision agriculture created in partnership with [Vodafone Spain](#), part of the Vodafone Group. Sensing4Farming provides crucial insights about crop health to farmers, agronomists, and agro-businesses via any device to optimise agriculture productions.

Sensing4Farming utilizes data from DigitalGlobe's multispectral, high-resolution satellite imagery, which reveals information that cannot be seen by the human eye about vegetation health, such as plant age and chlorophyll concentration. Ground-based sensors deployed in crop fields by [Qampo](#) also provide data for Sensing4Farming, such as soil moisture, temperature, humidity and other agroclimatic parameters to complement the

satellite imagery.

These sensors are connected through Vodafone's narrowband IoT network to quickly send data to the SITI4Farmer agriculture software platform, a cloud-based farming management system built by [ABACO](#), a leading company focused on developing software solutions for remote monitoring of land use. [GMV](#), a multinational technological business, processes and manages these different data sources through its WinEO service. Artificial intelligence algorithms analyse the ground- and space-based data, extracting information that enables farmers to make decisions with confidence. These actions ultimately lead to higher crop yields and increased efficiency for farms.

[Emilio Moro Winery](#) in Valladolid, Spain, is the first Sensing4Farming customer. The 127-year-old winery aims to create a more sustainable farming program by using less water, fertilizer and energy while increasing their grape harvests and quality.

For more details visit <https://explore.digitalglobe.com/Telco-LoT.html>