

OPEN DATA FACT SHEET

AGRICULTURE

This fact sheet is based on data from the Open Data Impact Map, a public database of organizations that use open data from around the world. 36 agriculture-related organizations were assessed to develop these findings. To learn more, visit: <http://OpenDataImpactMap.org/agriculture>

Organizations in this sector use open data to provide solutions that better inform farmers' decisions on managing their farms and increase their crop yields. They primarily use agriculture, weather, and geospatial data.

HOW ORGANIZATIONS USE OPEN DATA

Agriculture-related organizations:

- Provide farmers with timely information on weather changes, pests, and diseases via targeted mobile alerts using open meteorological and agriculture data
- Help farmers price their products and determine the optimal time to sell them using commodity pricing data
- Support sustainable farming globally by utilizing open research and scientific data

USE CASES

Farmerline

An SMS-based service that provides small-scale farmers with up-to-date agricultural information and advisement

URL: <http://farmerline.co/>

Country: Ghana

Impact: Helps farmers increase crop yield and encourage new farming practices

Data Used: Agriculture data from the Ghanaian Ministry of Food and Agriculture (MOFA), weather data from a number of sources

MandiTrades

A location-based social network fostering business directly between local farmers and buyers

URL: <http://www.manditrades.com/>

Country: India

Impact: Increases efficiency in the agriculture market and reduces information asymmetry for small-scale farmers

Data Used: Market commodity price datasets India

Farmlogs

Supporting farmers through technology to enhance crop production and reduce waste

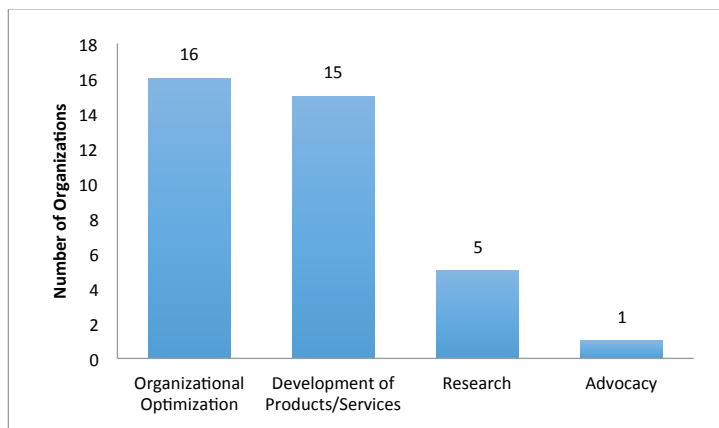
URL: <https://farmlogs.com/>

Country: United States

Impact: Farmers benefit from tools to better measure crop management and environmental factors

Data Used: Weather and rainfall data from the U.S. National Oceanic and Atmospheric Administration's (NOAA) National Climatic Data Center, soil data from the U.S. Department of Agriculture

TOP APPLICATIONS OF OPEN DATA FOR THE SECTOR



TOP 5 DATA TYPES USED FOR AGRICULTURE

