Powering the exchange of data across the food and agricultural system

FarmStack

is an open-source protocol that uses peer-to-peer connectors and usage policies for the secure transfer of data between organization and farmers.

1. Securely share data on their own terms
2. Access farmer feedback and relevant data from other sources
3. Use data assets to build and offer refined solutions and apps

Organizations benefit from the ability to grow their businesses and better serve constituents in a coordinated, cost-effective agricultural ecosystem.

Farmers benefit from access and are able to adopt better services and practices that increase their yields and incomes

architecture

Allows for decentralized data sharing without having to going through a third party

Guides who can access data, for how and for what purpose

GitHub

Access FarmStack’s open source code here.
wheat rust use case

FarmStack can help match wheat rust advisories generated by Ethiopian Institute of Agricultural Research (EIAR) with MoA’s DA registry (with DA location, contact information) so that DAs receive relevant advisories on likely incidence and severity of rust that they can then pass on to farmers. These advisories can be shared in near-real time via channels like IVR and Telegram which can also be used to collect farmer and DA feedback to continuously improve the quality of advisories.

current projects

Ethiopia
Developing a government-led agricultural platform to support 5.3 million wheat and dairy farmers, through the Digital Agriculture Advisory Services (DAAS) project.

Learn more about DAAS.

India
Supporting cashew and tomato farmers in Andhra Pradesh with targeted advisories accessed through multiple channels and better linkages with markets disrupted by COVID-19.

Read our cashew farmer success story.

Learn more about the project’s impact.

Contact us
For more information contact us at farmstack@digitalgreen.org or visit our website at farmstack.digitalgreen.org

About us
FarmStack is powered by Digital Green, a global development organization that empowers smallholder farmers to lift themselves out of poverty by harnessing the collective power of technology and grassroots-level partnerships. Visit Digital Green.