

Harnessing the Power of Data in Agriculture

Large quantities of ag data are produced daily on farms. A lot of this data remains disconnected, saved in different formats and across multiple digital farming tools.

To make agriculture more efficient and sustainable, it's necessary to make use of all the available data and to strengthen collaboration across the food value chain.

Varda's mission is **to accelerate the transition towards a nature-positive food system** by tackling this very challenge: data fragmentation in the ag industry.

Varda aims to achieve this **by assigning a unique ID to each agricultural land plot: Global FieldID**

Having a common geospatial reference for fields will enable industry stakeholders to 'speak the same language', improving the interoperability of digital farming tools and data exchange across the whole food value chain.



Simplify Farm & Field Data Sharing with Global Field ID



Ag input manufacturers

Enhance the connectivity of your operations, collaborating more easily with the industry ecosystem. Improve digital services for farmers.



Ag retailers

Enable easier onboarding of farmers on digital farming tools. Derive better insights on growers and help them monetize their data on Regen Ag practices.



Food companies

Understand supply-chain's environmental impact more precisely and in less time. Make measurable Regen Ag claims reducing risk of reputation damage.



Farmers

Integrate multiple field data sources more easily. Extract more value from precision farming tools. Make regenerative farming practices more visible to your customers.

Global FieldID is an API-based system that assigns a unique ID number to every agricultural land plot.

How does it work?



Step 1 Collecting boundaries

In each country, we collect field boundaries from the available sources e.g., open-source cadasters, satellite detection or partnerships with local data providers.

The boundaries are ingested by the data platform.



Step 2 Global FieldID annotation

The boundary information is validated, and a unique ID is assigned.

This process keeps track of the temporal changes of the boundaries and computes spatial relationships between them.



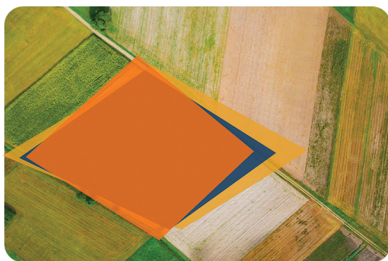
Step 3 Global FieldID API connection

Third parties can:

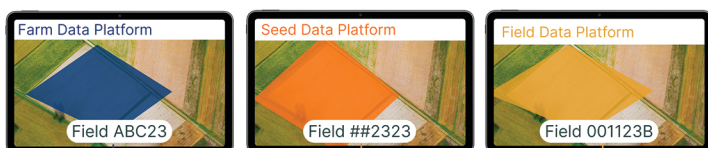
- Upload boundaries to receive global IDs
- Look-up global IDs for fields
- Update a field boundary
- Share boundaries with desired users

Without Global FieldID

Data is siloed with different field formats and identification systems across applications



A different boundary for each platform



Different ID for each data source

With Global FieldID

Data can be shared across the industry and is traceable through the supply chain



Interoperability between platforms



Same ID for each data source



Contact Us to Learn More



Info@varda.ag



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