Predictive Analytics for the Agriculture Industry

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There are critical gaps in the Ag industry even with the advent of big data

- Reduce reliance on pesticides, fertilizers, and water without negatively impacting yield
- Optimize use of labor, time, and farm machinery
- Mitigate impact of climate change on crop production
- Quantify contributions to regenerative agriculture and realize new revenue sources
The Ag value chain is working together but is not able to close these gaps

Agriculture Enterprises

- Pesticide Companies
- Seed Companies
- Fertilizer Companies
- Ag-input Retailers

Inefficient use of products lead to regulatory and customer loyalty issues

Provide technology to farmer to better apply their products

Overwhelmed farmer

$350B lost as farmers are not able to act in time

Existing technologies

- Imagery Data
- Crop Data
- Weather Data
- Soil Data

Disconnected data points

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Ukko develops advanced **predictive analytics**, to help farmers and agri-businesses take the right decision at the right time resulting in improved profitability and a more environmentally sustainable crop.
Ukko Ag integrates with the existing Agtech value chain
Ukko’s F.A.I.M (Field Adaptive Integrated Models) plugs into other data sources and platforms

- Weather Data
- Crop Data
- Soil Data

Ukko’s standardized predictive platform

Integration to be done 2022 onwards
Ukko delivers high ROI to farmers and Agri-business

20% Reduction in pesticide usage achieved so far

3:1 ROI in first year for farm operation

Optimized labor and operations

Peace of Mind
Ukko’s predictive analytics will play a key role in the transformation to sustainable, regenerative agriculture.

When and where to apply crop inputs

- Pesticides
- Irrigation
- Nutrients
- Biologicals

Quantifying Regenerative practices

- Decide the optimum mix of actions like crop rotation, planting of cover crops and minimum till
- Quantifying how much carbon will be sequestered by each particular action, enabling carbon credit exchange markets to function.