



Climate Risk Tools and Services

Relevance to thesis

Climate Risk Analytics

Lending Risk Offering

Agriculture Focus

Working in emerging markets

Business model overview

Enterprise platform-focused on assessing climate risks in food and agriculture supply chains to build supply chain resiliency, improve profitability, and sustainably intensify production. Bottom-up enterprise tool, with integrated end to end risk view, from field level to boardroom.

Climate risk analytics

Facilitate historical simulations and build predictive models to forecast the following risks: Short term weather (1-14 days), sub-seasonal climate (2 weeks to 6+ months), long-term climate (10-50 years)

Risk scores translated into financial impact (i.e., agricultural yield, property damage) and actionable operational insights (i.e., optimized planting harvesting, other weather sensitive decisions)

Data Sources

Public/private satellite and weather station data
Models update between every hour and annually

Supporting Services

Production planning and decisioning

Help clients understand how they can adapt crops in specific regions that are prone to climate change

In the seasonal time frame, tool helps accurately predict conditions on the time scales that were previously not accessible at the accuracy and localization

Commercial Parameters

Target customers

FI

AG
Producer

GOVT/
NGO

AG Buyer/
Processor

Enterprise platform to assess short and long term climate risks in food and agriculture supply chains

Year founded:

2017

Headquarters:

San Francisco, USA

Regional Scope:

Global

Provider Type:

Climate Risk Intelligence Provider

Readiness to implement

Medium (FIs in developing markets)

Pricing/Revenue model

Subscription-based on location and crops of interest

Customization options

Fully customizable for specific value chain needs

Data Protection

TBC

Geographic reach

Global operations, USA clients primarily

Crops covered

No crop limitations but most experience in seed crops, more information on crop response to weather conditions results in more robust impact functions

Languages available

English

Engagement Opportunities

Financial Institutions

Track record of working with FIs across loan cycle:

- Portfolio management (climate Sharpe ratio)
- Portfolio allocation

Primarily work with larger FIs, including agriculture lenders, real estate, asset managers. FIs use services to translate Predicted yield to economic impact. Pricing is likely too high for MFIs

Agribusiness

Currently curated for actors across agri-supply chain for understanding climate risks (i.e., regional crop assessments, identifying optimal sourcing, and balancing portfolio climate risks) and managing short term climate change impacts.

Minimize Climate Risk

Maximize Future Opportunities