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

**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

**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.