An Agroclimatic Information Platform  develop by:

climática

agriculture climate solutions

ingemann

www.climatica.red
Danish family business established in Nicaragua in 2007
Working within honey and cocoa
Access to market for 1,500 producers
Creating win-win relationships through:
- Supply of trees with selected genetics
- Technical assistance program
- Cocoa Academy
- Guaranteed Access to market

Supplying chocolate makers in more than 35 countries
Recognized in the international cocoa sector for innovation
Investing heavily in the long-term sustainability of the value chain
Adapta

1. Climate projection model (Short/Medium/Long-term)
2. Phenology studies
3. Catalogue of Do’s and Dont’s
4. Communication (App/Sms/Bulletins)
Two structural challenges for agricultural producers adaptation to Climate Change:

I. Adequate channels of distribution

II. Financial institutions insufficient understanding of the risk that climate represents for their portfolio
What is the platform?

It is a system that recollects, process and relates information of:

- Climate
- Phenology
- Soil
Climate

- Climate data & national climate historical reports
- World Climate Base
- Climate data through regional modelling
Phenology

✓ Phenological studies of every relevant crop:

✓ Natural stages of development
✓ Requirements for climate
✓ Requirements for soil
✓ Pathological treats as functions of climate
Soil

- Official soil information
- Field verifications
- Considers potential use of soil (Slope, texture, drainage etc.)
- Fertility and pH samples at sites of interest
Scenarios for coffee production 1975-2015
Scenarios for coffee production 2015-2020
Scenarios for coffee production 2021-2025
Scenarios for coffee production 2026-2030
Transition scenarios: from coffee to cocoa
Potential areas for Beekeeping: 2016-2020
Benefits

For the Customer
1. Science based feasibility study of each investment opportunity
2. Increased financial inclusiveness made possible by improved transparency
3. Periodic information on climate related risks
4. Access to early warning system
5. Access to technical assistance

For the Institution
1. Understand and reduce the risk associated to agricultural credits
2. Climate and economic risk profile per client
3. Unified, science based decision criteria within the institution
4. “Justification” to say NO, but…
5. Opportunity to expand agricultural credit products
6. Customer loyalty through increased relevance and added value
7. Access to green funds to stimulate climate resilience

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Other Opportunities

✓ Managerial tools
  ✓ Quantify the risk in the portfolio through:
    ➢ Risk profile per productive unit down to a resolution of:
      • 25km x 25km in climate
      • 1km x 1km by soil
    ➢ Risk maps
      • Geographic zone
      • Type of crop
      • Size of crop in volume

✓ Early Warning System
  ✓ Climate
  ✓ Crop

✓ Institutional newsletters via app o mail
✓ Opportunities to add value with technical recomendations
✓ Information base for Agricultural insurances