

RISK SHARING
AGRICULTURAL
LENDING FOR
SMALLHOLDER
AQUACULTURE.

Akinola Baiyewu 2nd November 2022/IITA, Ibadan















Outline

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About NIRSAL

2.

Financing Smallholder Aquaculture 3.

The Risk Sharing Facility 4.

Models & Structures

5.

Other de-risking Tools













About NIRSAL



NIRSAL





Designed, Re-Define, Dimension and Measure, Re-Price, Share Agricultural based risks



\$500million Non-Bank Financial Institution

Public Private Partnership



CBN

Federal Ministry of Agriculture & Rural Development



Nigerian Bankers Committee

NIRSAL Objectives



Raise commercial bank agric. lending portfolio from the current figure to 7% by 2026;



Expand Insurance
Coverage from 0.5 to 3.8
million small-scale farmers
across various agric. value
chains



Expand commercial lending to 3.8 million small-scale farmers by 2026 using value-chains













NIRSAL's Mandate





Define, Dimension and Measure, Price and Share agribusiness related credit risk



Institutionalize incentives for agricultural lending



Fix broken agricultural value chains (AVC)



Build long term capacity



Stimulate the flow of finance and investment into the agricultural value chains

Mission

"To forge partnerships between agriculture and finance; maximizing the potential of agriculture for food security, job creation and economic growth"

Vision

"Transforming the Economy, Delivering Inclusive Growth and Impacting Lives"















NIRSAL



















Financing Small holder Aquaculture?



Vulnerability

- **Business Shocks**
- Fish mongers
- Policy

Collateral

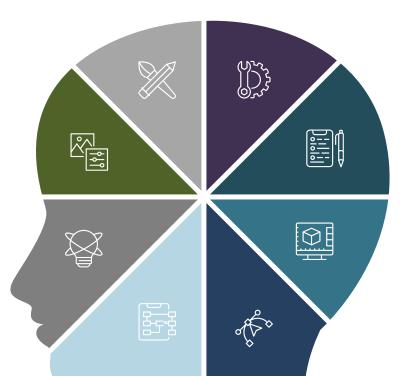
- Land titles
- Poor asset base

Monitoring

- Geography
- Transaction sizes

Collections

- Geography
- Unstructured Markets



- Perception

 Limited understanding
 - Prior experiences
 - Who funds what (what works and what doesn't
 - The business thinking

Transaction cost

- Monitoring
- Administration

Production Risks

- Mortality
- Expertise
- Infrastructure

Quality

- Food safety
- Standardization

















How do we get the banks to lend to Smallholder farmers















NIRSAL's First Intervention





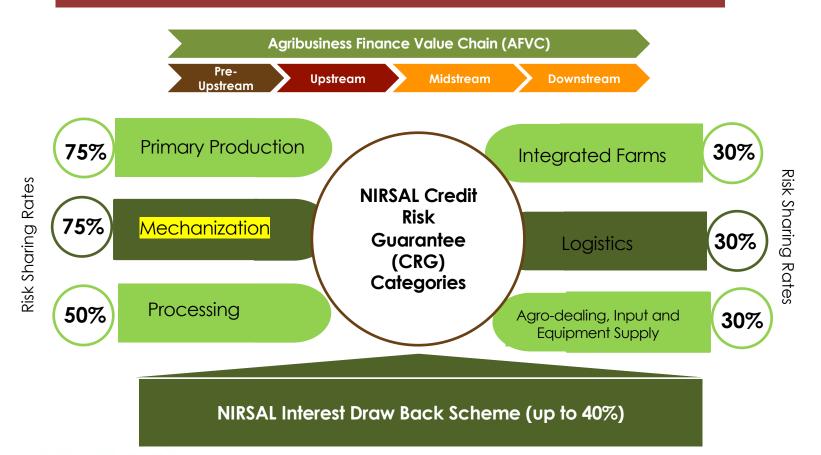






Engage Banks & Provide a Credit Risk Sharing Facility



















Credit Risk Guarantee

- Issued by NIRSAL to secure loans against losses over the life of the underlying credit contract.
- Term loans, and/or debt instruments such as short, medium, and long term notes. No overdraft
- Covers the credit risk of default on loan principal and the accrued interest.
- Purchased at 1% (upfront payment) each
 of the loan value and subsequent
 outstanding balances of the loan annually
 as CRG and PMRO fees.

Interest Drawback Support

- Interest rate support scheme is a grant to help that NIRSAL offers to borrowers whose facilities are in good standing.
- Every loan guaranteed, qualifies in principle for consideration for IDB.
- NIRSAL reserves the sole right to determine who receives its IDB support.
- Paid after every 90 days of the life of the loan in good standing (all principal and interest payments are up to date, as per the original or amended pay back schedule agreed upon between NIRSAL, lender and borrower.)
- IDB stops upon default, till all past due are remedied.















How do we make our intervention sustainable















NIRSAL's Second Intervention





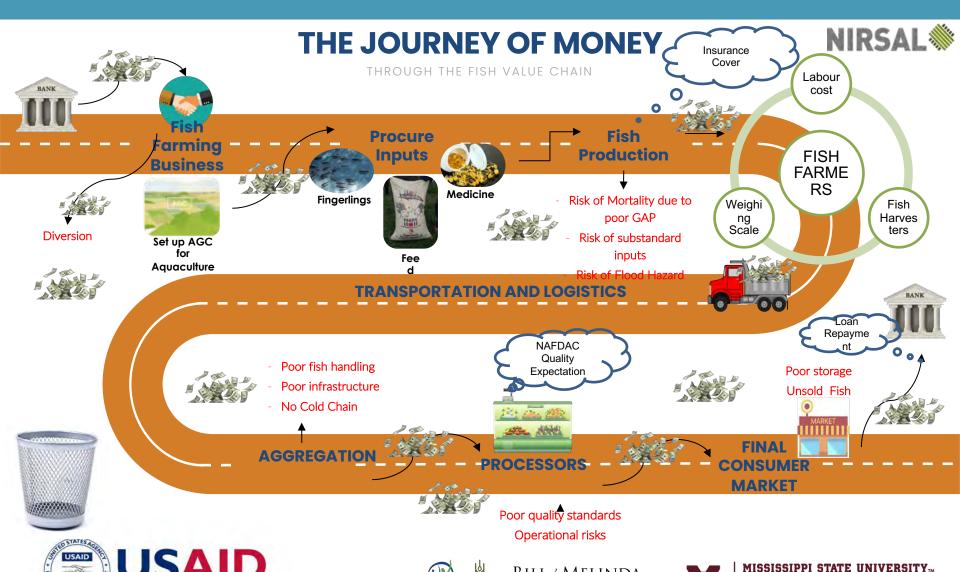








FROM THE AMERICAN PEOPLE



CGIAR

WorldFish

BILL & MELINDA

GATES foundation

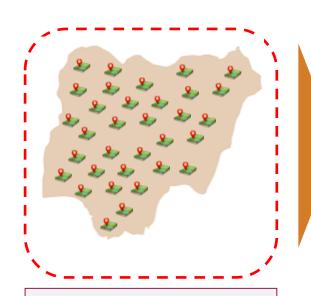
GLOBAL CENTER FOR AQUATIC

HEALTH AND FOOD SECURITY

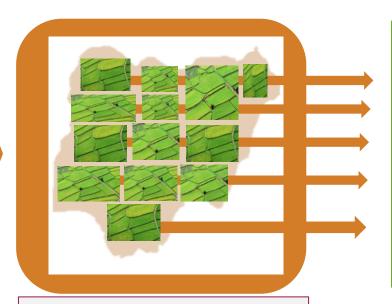




Promote Lending Structures and Models



Disaggregated Farming (Business as Usual)



Optimized Primary Production facilitated by NIRSAL



Structured Markets

Product programs/papers







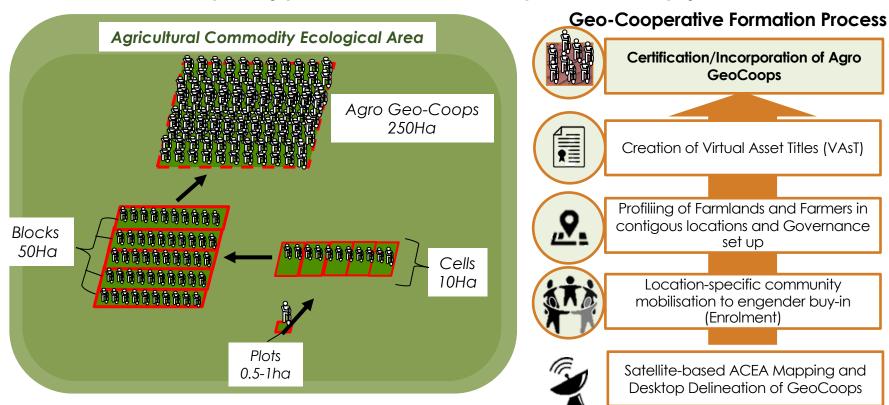








The Geo-Coop formation approach ensures effective structuring, financing and monitoring of primary production activities for impressive loan repayment

















- Financier's personnel costs
- Monitoring Overheads
- Extension services
- Easier Monitoring
- Self Governance and monitoring

Transaction Bargaining Power Farmer

Small Holder Identity

Risk Mitigation

Monitoring

Homogeneity

- Cost and quality of Input
- Access to market
- Financial (Insurance, Vendor financing) Products
- Extension support
- Financial identity
- Farmer Profiling
- Trade partners

- Cross Guarantees
- Cashflow Control/structured offtake
- Focused intervention.

- Product programs
- Easier underwriting
- Standardization
- Portfolio monitoring

















NIRSAL's Third Intervention







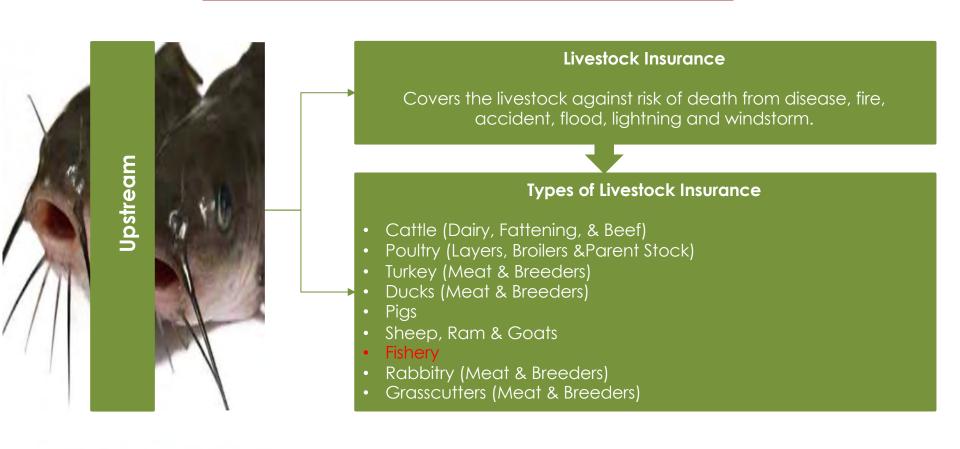






Promote Risk Transfer Products

















NIRSAL's Interventions in Agricultural Insurance



	Problem	Product	Solution
201	 Difficulty in assessing loss. Coverage of loss only to the tune of cost of production 	Area Yield Index (AYII)	 Loss assessment more profound by benchmarking actual yield against historical yield. Farmer is covered to the tune of expected yield.
201	 Good yield across the country results in price drop and loss of revenue 	NIRSAL Comprehensive Index Insurance (NCII)	 Protects farmers revenue by covering yield and excessive price fluctuation. Product also provides life insurance Price fluctuation aspect yet to be fully operational
201	 Cost of premium relatively high. 	Hybrid Weather-Yield Index Insurance (with NDVI)	Reduction in cost of premium was achieved by replacing the need to do crop cut with weather index.













NIRSAL's Interventions in Agricultural Insurance ... Cont'd



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Problem

Mistrust between farmers
- and insurers as some
farmers query the
accuracy of the index
result while insurers claim
the results are accurate,
but the farmers do not
adhere to Good
Agricultural Practices (GAP)

Product

Advanced Area Yield Index Insurance

Solution

- The product sets out a Basis Risk Fund to cater for claims that occur outside the indices.
- All farmers will be invited to witness Crop Cut Experiment (CCE)
- Farmers who suffer losses during the season will be able to report losses (via a dedicated toll-free number) and their farms will be included in the CCE

Hybrid Multiperil – Index Insurance (HM-II)

- The product pays out when there is a deviation in normal weather
- Product includes life cover and cost of funeral
- Product allows for claim by farmers outside the weather indices if there is complain from more than 5% of the insured farmers















Incubating Interventions





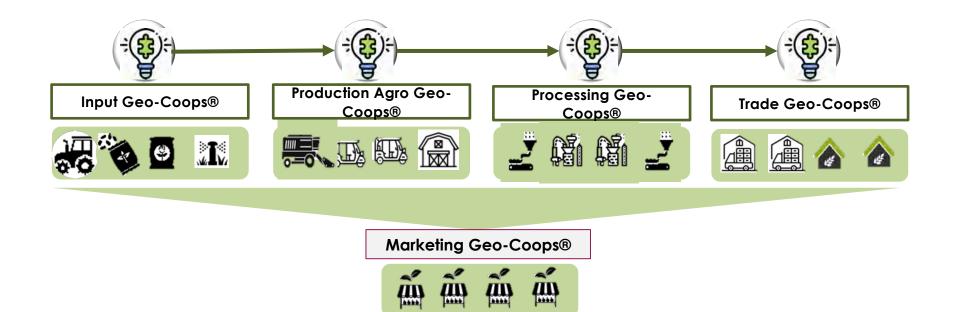








In ensuring end-to-end value chain linkages, NIRSAL is also establishing Input, Trade and Marketing Geo-Coops® across focus commodity value chains



Creation of Product Programs











Agribusiness Risk Management Solution Services (ARMS)



The NIRSAL ARMS is an end to end service solution that aims to close the gaps in the Pre-Upstream and Upstream segment of the value chai including solving the challenges of the F-AGC formation.











Farmer Enrolment & Farmland Mapping

Capturing of KYC, KYF and KYL

Input Distribution

Managing Distribution of Inputs to Right Farmer at Right Time and Right Quality

Project Extension & Monitoring

Provide GAP advisory to Farmers and monitor farm performance

Produce Aggregation

Ensure recovery of produce for loan repayment and manage aggregation centre inventory









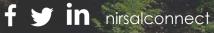


Thank you





















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