

Secured Climate-Linked Agri-Lending Ecosystem (SCALE)

Unlocking climate finance for smallholder farmers in India

Berber Kramer and Tarun Katoch

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INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE
IFPRI

DVARA E-REGISTRY

THE PROBLEM

Smallholders face the greatest climate risk but get the least finance

86%

of India's operational farm holdings are small and marginal farms

17M

hectares of cropland were hit by extreme weather in 2025

5%

of credit goes to women farmers

70M

farmers remain partially dependent on informal credit

$14.3B

estimated financing required to transition currently underserved farmers toward climate-smart agriculture — the opportunity SCALE is built to unlock

Source: Multiple

THE SOLUTION

SCALE builds on proven technology, established capabilities, and an existing operational footprint

Dvara E-Registry

AgriFinTech that enables smallholder farmers and farmer collectives to access finance

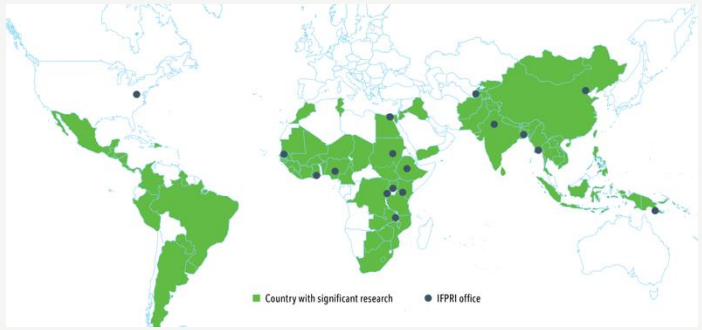
Existing operations
- ~45,000 loans facilitated
- ~USD 23M disbursed across 5 states

KhetScore: Innovation proven through decade-long partnership between Dvara and IFPRI

International Food Policy Research Institute

Global research institute that provides evidence-based policy solutions to build sustainable food systems

Research in 70+ countries, on areas including climate insurance, finance, CSA, crop analytics, farmer behavior, and gender



Significant research IFPRI Office

THE SOLUTION

KhetScore: Agricultural credit risk score bundled with insurance

Digitizes
smallholder farmers' agricultural profiles

Scores
plot- and season-level credit risk using satellite imagery

Protects
against crop losses with picture-based insurance

A randomized trial from 2021-2023 in Odisha demonstrated strong economic and social impacts

+20%
Increased formal credit, largest gains for women

+60%
Increased insurance uptake

+$118 +$166
Increased farm profit in monsoon and dry season

+30%
Improved women's empowerment

SCALE will do more to increase adoption of climate smart agriculture (CSA) and crowd-in climate investment

Source: IFPRI–Dvara randomized trial, Odisha

THE SOLUTION

SCALE uses credit and insurance to accelerate CSA adoption

COMMERCIAL CAPITAL Repaid through lending



Agri-credit

Loans tailored to agricultural cropping cycles



Bundled insurance

Photo-based crop insurance cutting downside risk

PHILANTHROPIC GRANT Catalyzes CSA adoption



CSA advisory

Targeted technical support to adopt climate-smart practices



CSA incentives

Incentives for verified adoption and ringfenced lending for CSA inputs

IMPLEMENTATION PLAN

SCALE will support proven CSA technologies that can be deployed across Dvara's existing farmer network

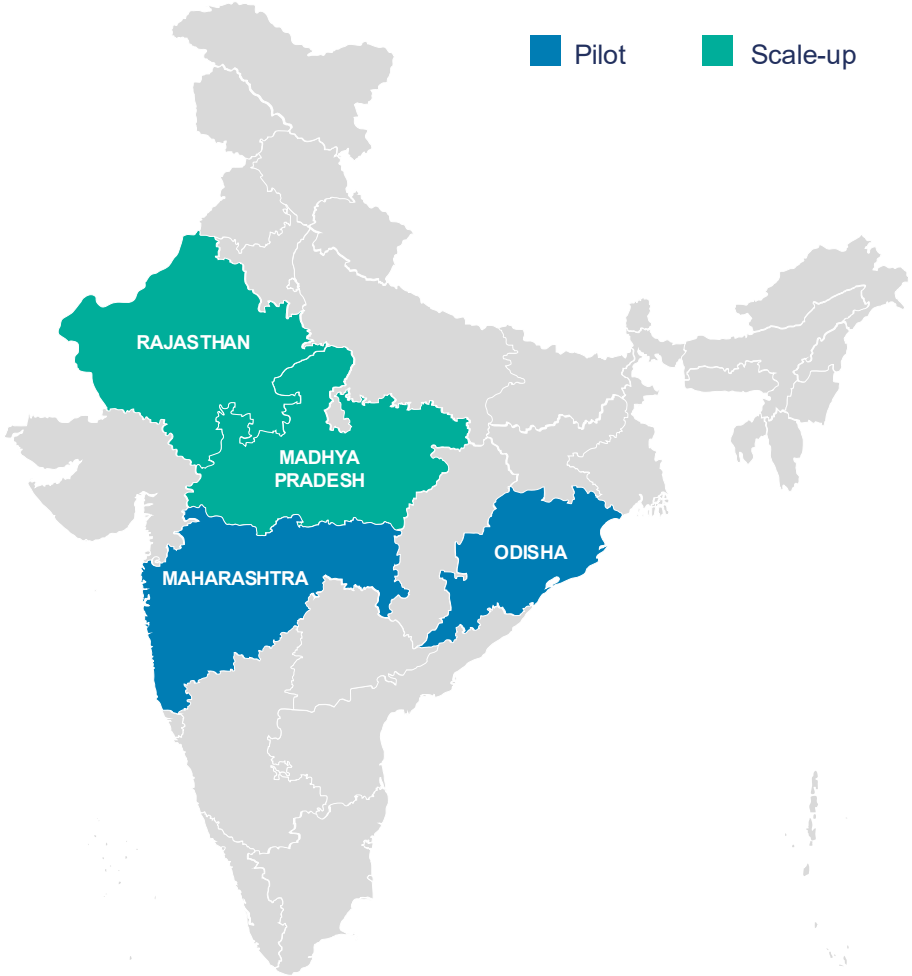
PILOT (2026–2028)

20,000 farmers

Starts with 5,000 farmers in *Rabi* 2026

SCALE-UP (2028–2029 CYCLE)

120,000+ farmers



FUNDRAISING NEED

$3.3M needed to launch an $87.3M climate finance facility

Every $1 of grant funding is expected to mobilize $6 of investments in CSA

Philanthropic grant
$3.3M

TODAY'S ASK
Funds initial incentives and smart insurance premium subsidies during pilot, absorbed into facility cash flows as adoption scales.

Commercial capital (partner lenders)
$58.8M

SECURED FOR PILOT
Partner credit line in place for pilot cycles; larger lender base onboarded as the facility scales.

Commercial capital (direct credit line)
$25.2M

IN PROGRESS
Dvara E-Registry securing NBFC license; raising $25M+ in domestic commercial debt.

EXPECTED IMPACT

Financing climate resilience at scale

$3.3M

unlocks the capital for a $87.3M facility with substantial climate impacts



57,000+

Farmers adopting climate-smart inputs and practices



120,000

Women gaining access to formal credit



32,500

tCO_2e avoided each year through methane reduction



75,000+

Megalitres of water saved each year