



SDC A+FS Network

Thoughts for Food

A series of light & informal events on food-systems related news



WELCOME !

02.09.2026

What's on the menu ?

1. Welcome
2. **From Seed to Table: Building Transparent and Traceable Food Supply Chains at Scale** – Manfred Borer
3. News & events
4. **Beyond the Carbon Tunnel: Turning the methane opportunity into a broader transition for sustainable rice** – K. Chanatporn



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From Seed to Table: Building Transparent and Traceable Food Supply Chains at Scale

MANFRED BORER, CEO
KOLTIVA AG



Coaching session with palm oil producer

Rising Consumer Demand for Sustainable Food

- ✓ 650 million smallholder producers and 100+ million of micro to large enterprises are engaged in trade, processing, and retail of agriculture-based products
- ✓ \$20 billion business opportunity for AgriTech related to trade and compliance regulations that protect producers, consumers, and the planet

Climate Change is Disrupting Agriculture amid Stricter Regulations

- ✓ 21% decline in global agricultural productivity due to climate change
- ✓ 60% increase in global agricultural production is required to meet food demand by 2050, without expanding farmland



Coffee cherries harvesting in Aceh



8 Legal Entities and Staff Presence in 13 Countries



20,000 Businesses and 70,000 Users Registered



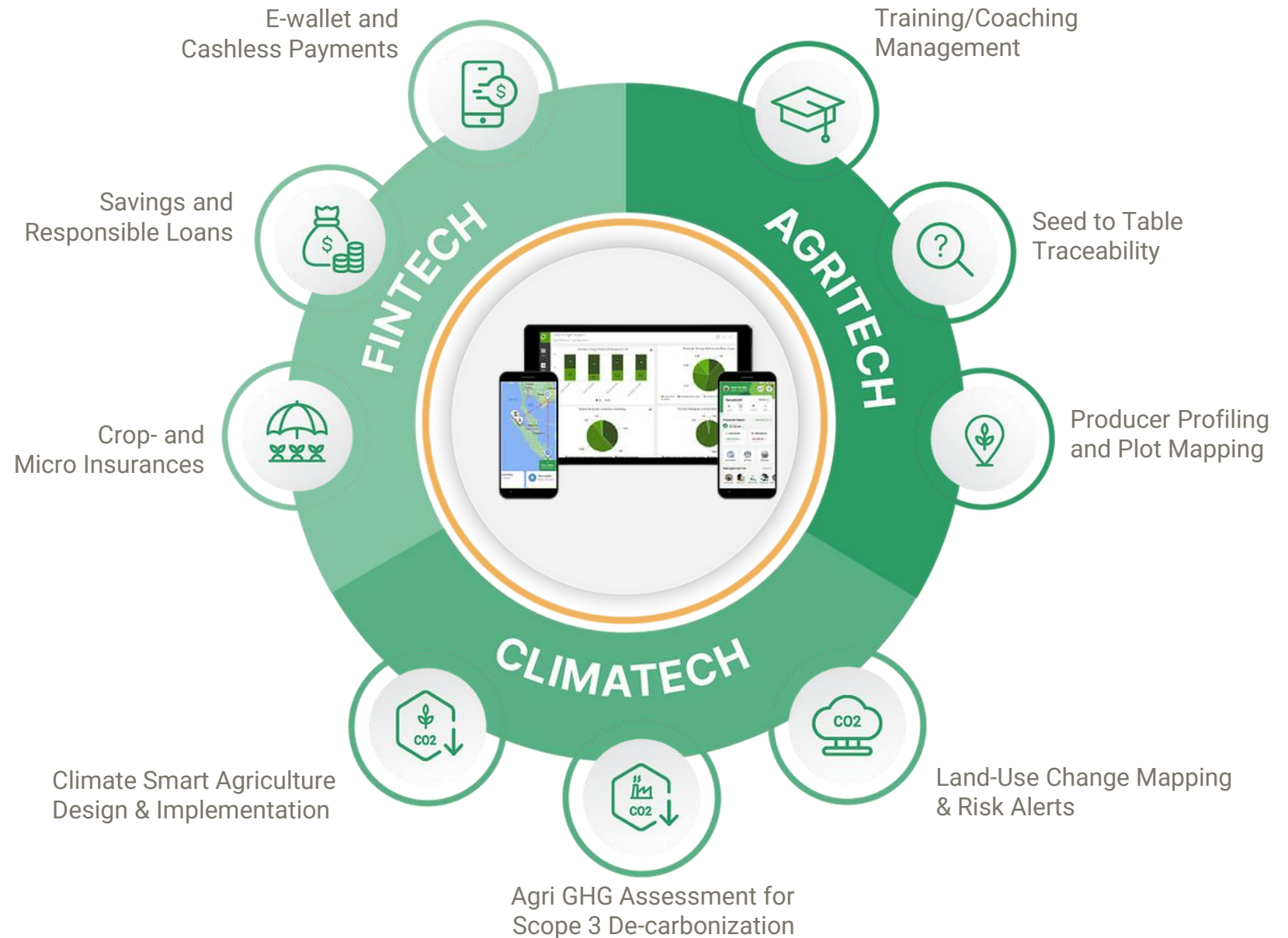
2.3 Million Producers Registered in 60 Countries



Tailored Solutions for 63 Crops and Commodities



15 Million Hectares of Verified Production Plots



Our Software and Service Solutions connect Multinational with Local Enterprises and empower Smallholder Producers in global Supply Chains

 KOLTITRACE

 KOLTISKILLS



PROPRIETARY SOFTWARE DEVELOPMENT

KoltiTrace MIS web and mobile application development tailored to our clients' specific requirements, integrated into our proprietary platform ecosystem



SOFTWARE AS A SERVICE

KoltiTrace MIS web and mobile application license subscriptions, maintenance, and user support



CLOSED LOOP ECOSYSTEM

KoltiTrace MIS and **KoltiPay** services for end-to-end support and connectivity among KoltiTrace users. IOT and cashless payment integration. Onboarding services, data management and data verifications



SUPPLY CHAIN MAPPING AND VERIFICATION

Producer surveying to map the origins of products, verify farm production practices and emissions, and ensure compliance to sustainability standards



TRAINING AND COACHING

Group training to raise awareness of sustainable practices and **one-on-one coaching** to support producer households in implementing their farm development plans

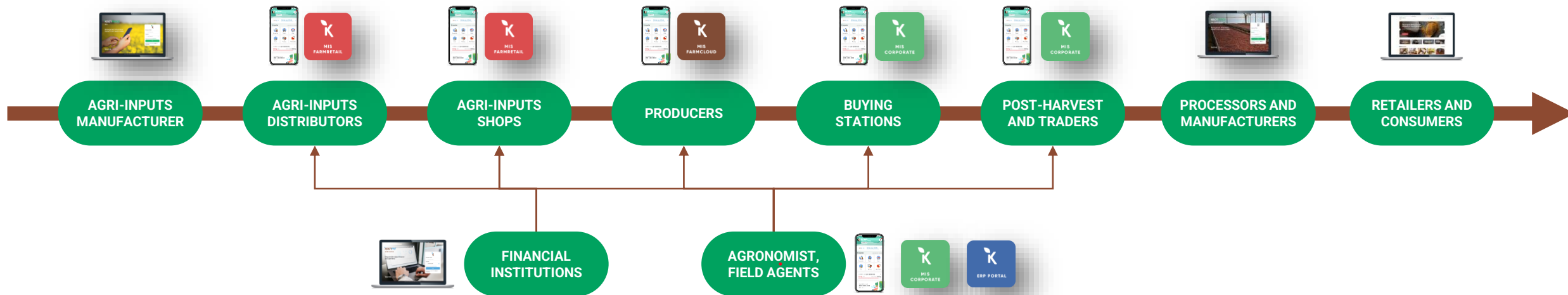


PROJECT MANAGEMENT

Streamline agricultural supply chain projects by coordinating field activities to monitor progress, efficiently manage resources and ensure sustainable practices

How People and Businesses Connect – From Seed to Table

- Agricultural input providers equip producers with the resources they need to farm.
- Field agents register producers, map farms, and support better production practices.
- Producers grow and harvest crops, while buying stations, cooperatives, and traders aggregate products and record each transaction.
- Processors and manufacturers transform verified raw materials into finished goods, enabling brands and retailers to demonstrate product origin, responsible sourcing, and compliance.
- Through Koltiva's connected digital ecosystem, every participant contributes data that creates continuous transparency and traceability—from the farm to the final consumer.



Global Organizations thrive our Mission for Inclusive Supply Chains

The worlds largest consumer brands trust us to map their global supply chains



Global Agribusinesses Powerhouses work with us for Traceability from Farm to Factory



Small to Medium Enterprises and Cooperatives Empower Rural Communities



Public Sector and NGO collaboration empowers us to drive Inclusive Impact



97 Countries | 60 Producer* | 86 Business* | 64 User* | 15 Koltiva Staff* | *Countries



14,941,657 Ha
VERIFIED PRODUCTION PLOTS



2,328,437
REGISTERED PRODUCERS



70,356
REGISTERED USERS



20,146
REGISTERED BUSINESSES



Tailored Solutions and Services for 63 Crops and Soft Commodities

PLANTATION CROPS



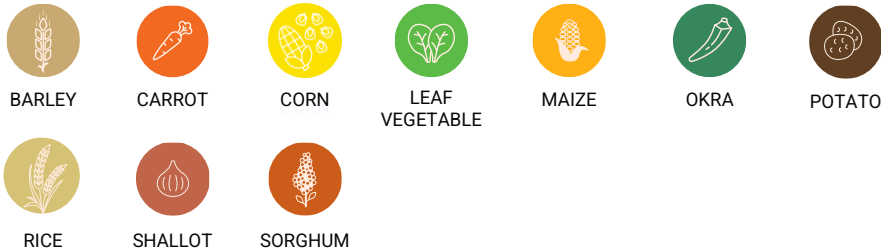
NUTS, FRUITS, & FOREST PRODUCTS



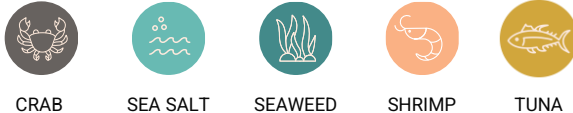
FRAGRANCES, FLAVORS, & SPICES



STARCH CROPS & VEGETABLES



AQUATIC RESOURCES



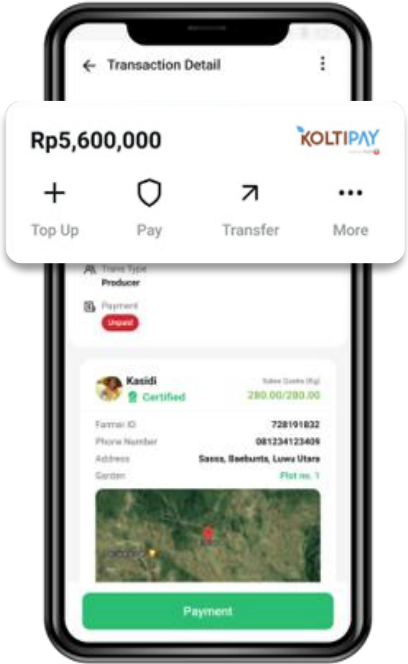
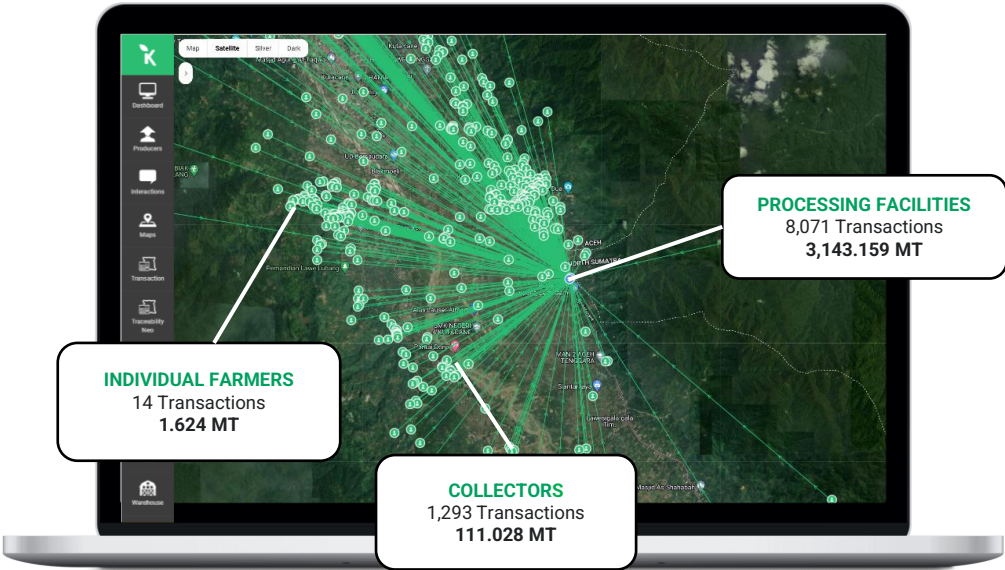
LIVESTOCK & DAIRY



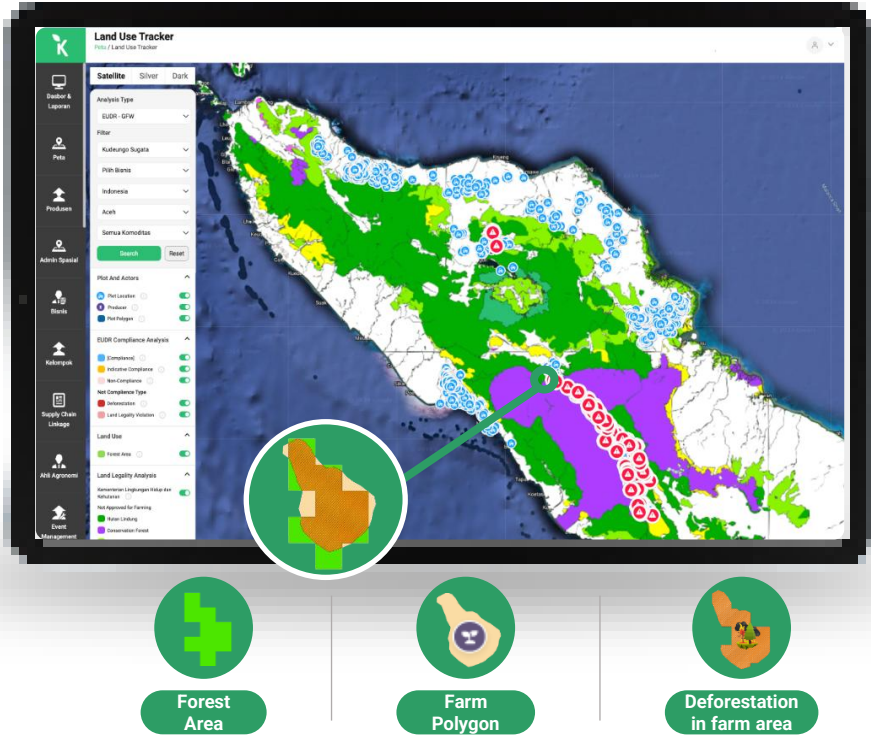
Traceable and Deforestation Free Global Supply Chains for GREEN SME FINANCE and ESG COMPLIANCE



SEED TO TABLE TRACEABILITY



DEFORESTATION MONITORING





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WHAT'S NEW?



Viet Nam is expanding a nationwide digital traceability platform

July 2026

→ [More information](#)



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Africa Food Systems Forum 2026 kicks off in Kigali, Rwanda

August/September 2026

→ [More information](#)



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Harmonized Implementation of the
**African Union
Digital Agriculture Strategy
(AU-DAS)**



African Union advances a continental digital agriculture strategy

August 2026

→ [More information](#)



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World Food Forum 2026

October 2026

→ [More information](#)



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Beyond the Carbon Tunnel: Turning the methane opportunity into a broader transition for sustainable rice

K. CHANATPORN,
HEAD OF KNOWLEDGE AND LEARNING UNIT AT SRP



SRP

Beyond the Carbon Tunnel:

Turning the Methane Opportunity into a Broader Transition
toward Improved Rice Cultivation

Chanatporn Limprapoowiwattana, PhD
Knowledge and Learning Manager

Sustainable Rice Platform (SRP)

2 September 2026

THE OPPORTUNITY

Carbon is putting rice on the map

New attention, resources and incentives are converging around methane emission reduction.

The strategic risk

What if we optimise rice systems for carbon—rather than use carbon to transform rice systems?

CARBON

1

Climate opportunity

Methane reduction is material

2

Mobilise resources

Finance can fund adoption

3

Align incentives

Value-chain actors can act

4

Accelerate practice

Better methods can scale

Sustainable Rice Platform (SRP)

SRP is a non-profit global multi-stakeholder alliance comprising over 100 institutional members from the public, private, research, civil society and the financial sector working to transform the global rice sector by:

Improving

social working conditions and livelihoods of smallholder and workers



Reducing

environmental and climate footprint to protect our biodiversity & planet.



Offering

the global rice market an assured supply of sustainably produced rice.



Why Sustainability in Rice?



Supports 150M
smallholder farmers



30% global
freshwater use



16% global nitrogen use
15% global pesticide use.



12% global
methane emissions.



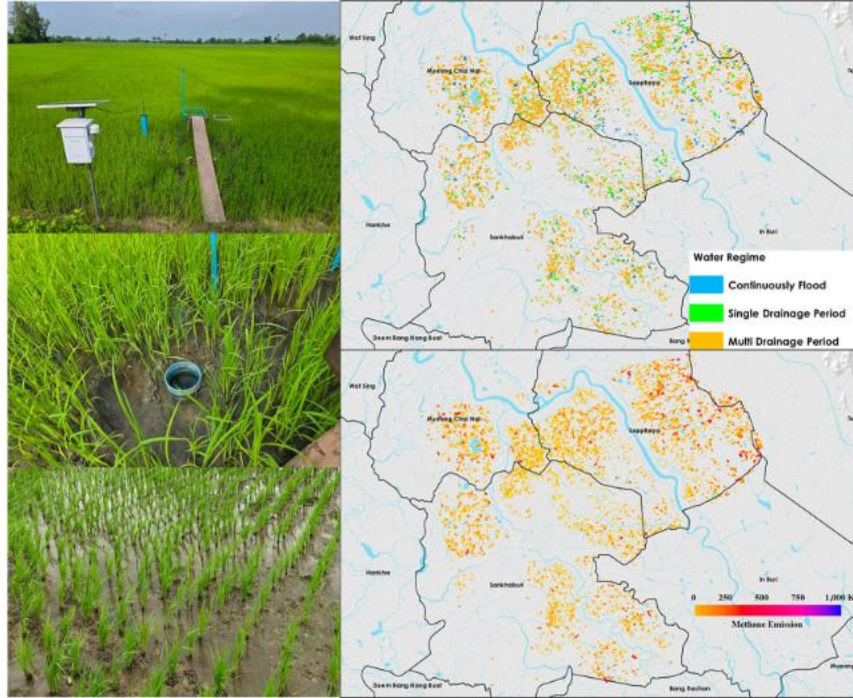
biodiversity and
habitat loss

The rice industry is both a contributor as well as one of the most vulnerable sectors affected by climate change.



All Things Carbon: Climate Mitigation and Rice

The project integrates ground-based observations with satellite data to monitor the irrigation cycle, enabling spatial and temporal mapping of methane emissions. © GISTDA



[\(Space for Climate Observatory, 2025\)](#)

Rice contributes to 12% of all agricultural methane emissions, second only to livestock. Science-based practices such as **Alternate Wetting and Drying (AWD)** are proven solutions but have lack scaling.



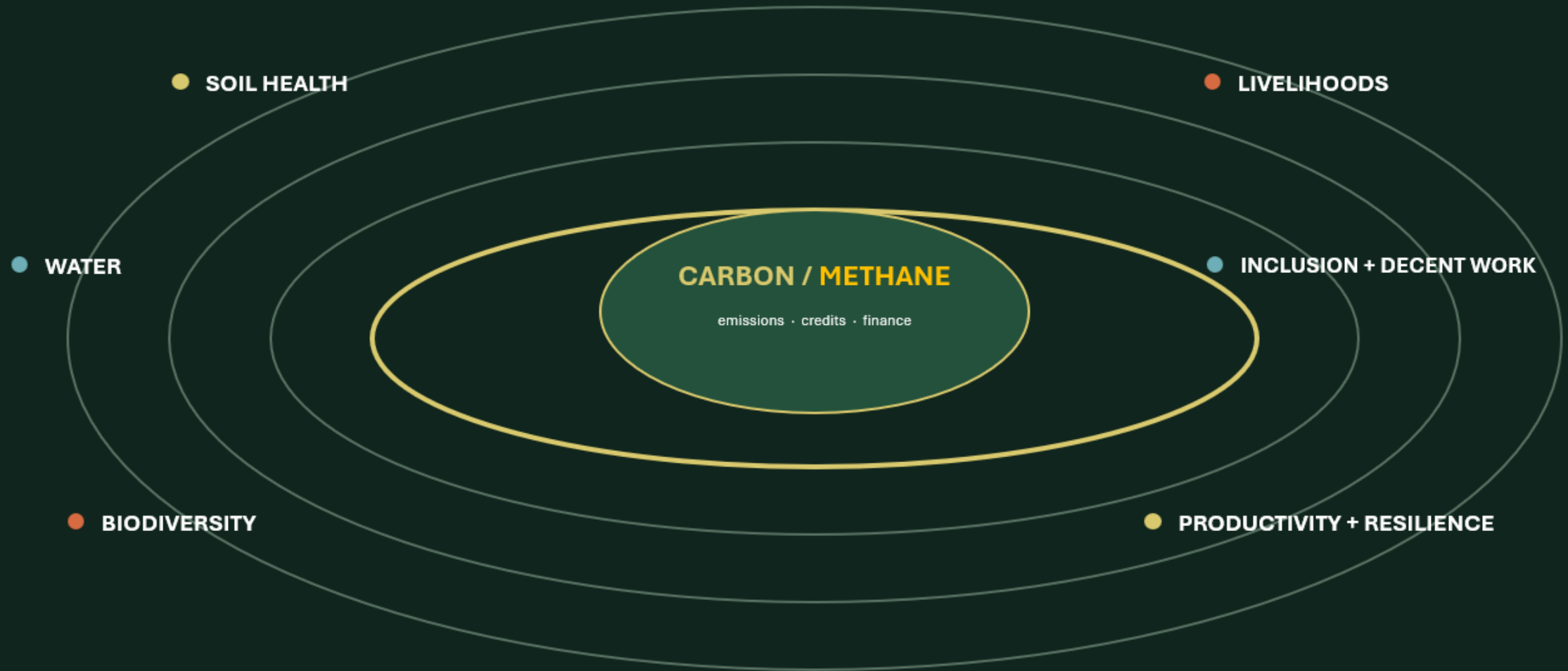
Amazon's \$30 million deal: E-commerce giant signs carbon credit agreement with Indian rice farmers; here's what it means

[\(The Times of India, 2026\)](#)



Voluntary carbon markets are rapidly evolving to tap this opportunity.

The tunnel shows only one outcome



Carbon is one outcome—not the whole sustainability agenda.



FARM MANAGEMENT

- Crop calendar
- Record keeping
- Training



PREPLANTING

- Heavy metals
- Soil Salinity
- Land conversion and biodiversity
- Invasive species
- Leveling
- Pure seed quality



WATER USE

- Water management
- Irrigation system at community level
- Inbound water quality
- Groundwater extraction
- Drainage



NUTRIENT MANAGEMENT

- Nutrient management (organic and/or inorganic)
- Organic fertilizer choice
- Inorganic fertilizer choice



INTEGRATED PEST MANAGEMENT

- Weeds
- Insects
- Diseases
- Molluscs
- Rodents
- Birds



HARVEST AND POSTHARVEST

- Timing of harvest
- Harvest equipment
- Drying time
- Drying technique
- Rice storage
- Rice stubble
- Rice straw



HEALTH AND SAFETY

- Safety instructions
- Tools and equipment
- Training of pesticide applicators
- Personal protective equipment
- Washing and changing
- Applicator restrictions
- Re-entry time
- Pesticide and chemical storage
- Pesticide disposal



LABOR RIGHTS

- Child labor
- Hazardous work
- Education
- Forced labor
- Discrimination
- Freedom of association
- Wages

SRP Standard for Sustainable Rice Cultivation

SRP Standard Requirements :

- The world's first voluntary sustainability standard for rice.
- Guides farmers to shift to adopt proven climate-smart, improved agricultural practices.
- 41 basic on-farm requirements, organized under 8 themes.
- Standard v.3.0 has been completed, with enforcement to begin in Q1 2027.

How we deliver?

Driving Wider Adoption of the SRP Standard

SRP works with partners to make the standard more accessible and widely adopted, enabling more rice farmers in more countries to benefit. This partnership approach is SRP's second key role as a catalyst for change.

How SRP Delivers Sustainable Rice at Scale



Fully Credible & Measurable

Robust monitoring and quality control for claims that the world can trust.



Empowering the Value Chain



Connecting value chain actors and government to unlock sustainability-linked incentives for smallholders.

SRP Standard V.3.0

From standard adoption to membership expansion—building the resources and skills needed to deliver impact.

<https://sustainablerice.org/standard-revision-v3-0/>

The Go- To Hub

for practical advice on sustainable rice



A central expertise platform providing trusted data, assurance tools, and guidance to support climate action and incentives in rice value chain.

5 Strategic Objectives



Growing resources, expanding membership, adopting SRP standard V3.0, The go - to hub for knowledge, scaling up assured rice volumes globally.

Low-Carbon Rice Is Not Sustainable Rice

but it is **vital to transform** the sector.

Decarbonization is a strong **Entry Point**
Sustainability is the **North Star**

At SRP we believe that **rice grown to the SRP Standard** is for everyone. Market opportunities and local needs shape the trajectory to future-proof and climate-resilient rice landscapes.

Low-Carbon Rice

- Combines low-emission farming practices with strong MRV

• Risk: tunnel vision

SRP-Verified Rice

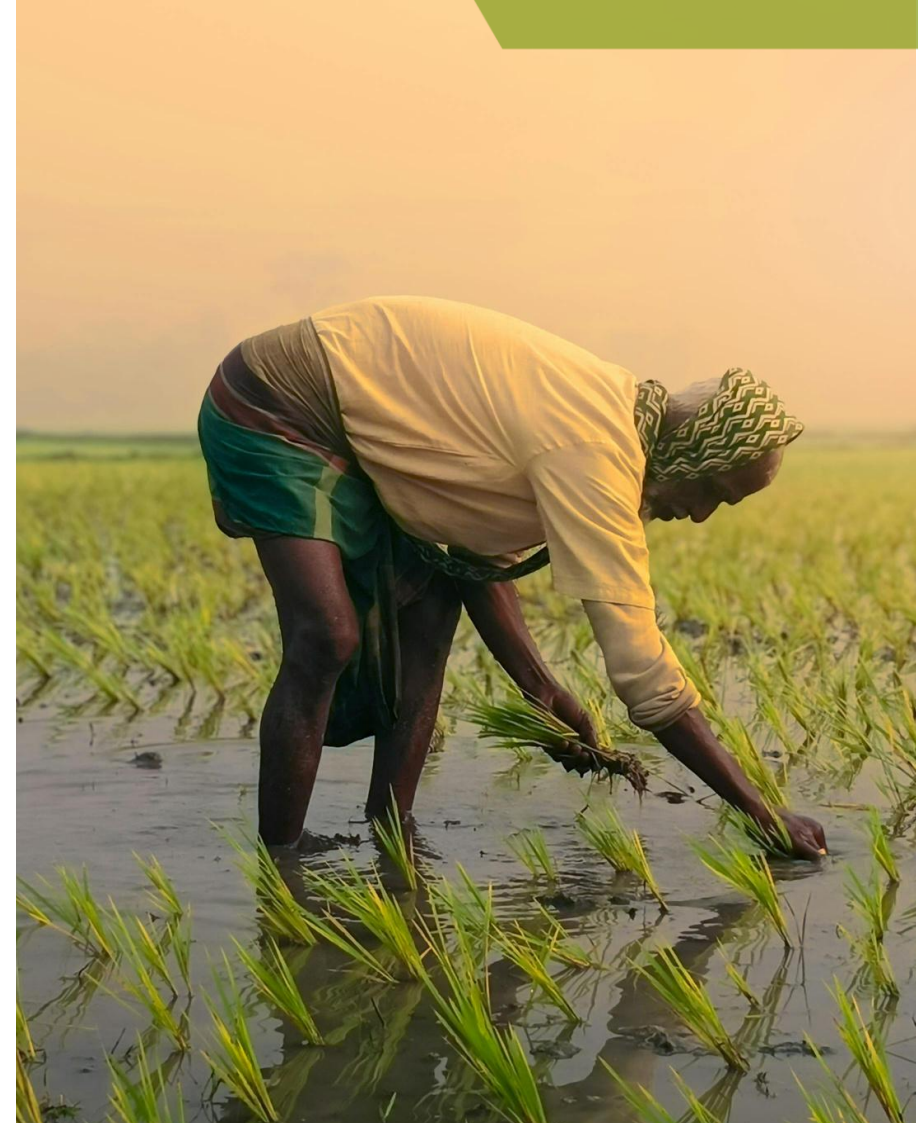
- 41 comprehensive requirements across 8 themes

• Risk: too aspirational and export-dependent

***“We cannot divide what is
fundamentally connected.***

***The planet reminds us of
that everyday.”***

Dr. Vandana Shiva





SRP



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Website : www.srpglobal.org



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ANNOUNCEMENTS

- Presentations soon available on our website : <https://www.sdc-foodsystems.ch/en/thoughts-for-food>
- Upcoming events :



Don't hesitate to share
news, topics and ideas
with us!



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Thank you!
Stay well, and stay connected!