



# Food Systems & Agriculture Framework: Lite Guide

## In this document:

- ♦ [What is the framework?](#)
- ♦ [Why it matters](#)
- ♦ [Key actions to get started](#)
- ♦ [Tools to help you](#)
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The *Food Systems Framework Lite Guide* is a short, easy-to-use introduction to the *Food Systems & Agriculture Framework*, designed for farmers, indigenous communities, youth, non-governmental organizations (NGOs), local governments, and anyone eager to improve food systems. It summarizes the framework's big ideas and gives simple steps to start making a difference in your community. Aligned with Sustainable Development Goals (SDGs) and the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), this guide encourages you to join the movement for sustainable, fair, and strong food systems by 2035. It's part of the [Start with the Seed Kit](#) and complements the full framework's [Introduction](#).

## What Is the Framework?

The *Food Systems & Agriculture Framework* is a plan to make food systems—how we grow, share, and eat food—better for people and the planet. It focuses on:

- ✦ **Sustainability:** Growing food in ways that help the environment, like regenerative farming.
- ✦ **Equity:** Making sure everyone, especially indigenous communities, women, and youth, benefits fairly.
- ✦ **Resilience:** Building food systems that can handle challenges like climate change or conflicts.

### Big Goals by 2035:

- ✦ Cut hunger by 50%.
- ✦ Make 30% of farmland regenerative (eco-friendly).
- ✦ Train 5 million farmers, including in Traditional Ecological Knowledge (TEK).

*Accessible explanation:* This is a plan to grow food in a way that's good for the Earth, fair for everyone, and ready for tough times, with goals like less hunger and greener farms.

**Alignment:** Supports SDG 2 (Zero Hunger), SDG 13 (Climate Action), and SDG 15 (Life on Land).

## Why It Matters

Our food systems face big problems:

- ✦ **Hunger:** Over 700 million people don't have enough food.
- ✦ **Climate Change:** Farming can harm the environment, but it can also help fight climate change.
- ✦ **Unfair Systems:** Small farmers and indigenous communities often lose out to big companies.

The framework offers solutions, like using TEK to grow food better, changing rules to support small farmers, and sharing knowledge to make communities stronger. By acting now, you can help create a future where everyone has healthy food, and the planet thrives.

*Accessible explanation:* Food systems aren't working well—many are hungry, and the planet is hurting. This plan helps fix that by making

farming fairer and greener, and you can help.

**Alignment:** Supports [Theory of Change](#).

## Key Actions to Get Started

**Purpose:** Simple steps to join the framework and make a difference in your community.

### 1. Learn About Your Food System:

- ✦ Talk to farmers, community leaders, or local shops to understand how food is grown and shared in [Your Area].
- ✦ Example: Ask, “What crops grow here? Are farmers struggling with drought?”

### 2. Start a Small Project:

- ✦ Try a pilot project, like a community garden or regenerative farming on [e.g., 1 hectare].
- ✦ Use the [Pilot Readiness Self-Assessment Tool](#) to check if you’re ready.

### 3. Work with Indigenous Communities:

- ✦ Partner with local indigenous groups to learn TEK, like traditional ways to save seeds or manage soil.
- ✦ Use the [TEK Integration Template](#) to plan respectfully.

### 4. Spread the Word:

- ✦ Share stories of local “food heroes” (e.g., farmers, youth) on social media or at community events.
- ✦ Follow the [Advocacy Playbook](#) for tips.

### 5. Push for Better Rules:

- ✦ Ask local leaders to support green farming or fair trade with small farmers.
- ✦ Check the [Policy Harmonization Toolkit](#) for example laws.

*Accessible explanation:* Find out about local food, start a small farm project, learn from indigenous groups, tell others, and ask leaders to make fair rules.

**Alignment:** Supports [Implementation Mechanisms](#).

## Tools to Help You

**Purpose:** Point you to practical resources to take action.

- ✦ [Pilot Readiness Self-Assessment Tool](#): Check if you're ready to start a project, like a new farm.
- ✦ [Stakeholder Engagement Charter Template](#): Make a plan to work with your community fairly.
- ✦ [TEK Integration Template](#): Learn how to use indigenous knowledge in your project.
- ✦ [Monitoring & Evaluation Rubric Template](#): Track your project's progress, like how much food you grow.
- ✦ [Advocacy Playbook](#): Get tips to share the framework's ideas with others.
- ✦ [Policy Harmonization Toolkit](#): Find example rules to make farming better.
- ✦ [Cost-Benefit Analysis Model](#): See if your project is worth the money and effort.

Find all tools at the [Tools Library](#).

*Accessible explanation:* Use these guides to plan, work together, learn, check progress, spread the word, change rules, and see if your project makes sense.

**Alignment:** Supports [Tools Library](#).

## Get Involved

**Purpose:** Invite you to join the movement and take action now.

- ♦ **Start Today:** Pick one action from the “Key Actions” section, like talking to a farmer or starting a garden.
- ♦ **Join Others:** Connect with local groups or online at [globalgovernanceframework.org] to share ideas and learn.
- ♦ **Share Your Story:** Tell others about your work (e.g., post on social media with #FoodSystemsFuture) to inspire more people.
- ♦ **Give Feedback:** Email [globalgovernanceframework@gmail.com] or use the contact portal at [globalgovernanceframework.org] to share how the framework is working for you.
- ♦ **Learn More:** Explore the full framework at the [Index](#) for deeper details.

Together, we can build food systems that feed everyone, protect the planet, and include all voices. Start small, think big, and act now!

*Accessible explanation:* Begin with one step, team up with others, share what you do, tell us how it’s going, and check out more details if you want.

**Alignment:** Supports [Communication and Advocacy](#).

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**Cross-Reference Note:** This guide summarizes the framework’s [Introduction](#) and supports [Stakeholder Engagement](#). Explore the [Index](#) for navigation or access additional tools at the [Tools Library](#).

# Food and Agriculture Framework: Lite Guide

## In this document:

- ✦ [What is the framework?](#)
- ✦ [Why it matters](#)
- ✦ [Key actions to get started](#)
- ✦ [Tools to help you](#)
- ✦ [Get involved](#)

The *Lite Guide to the Food and Agriculture Framework* is a short and user-friendly introduction to the **Food and Agriculture Framework**, designed for farmers, Indigenous peoples, youth, NGOs, local authorities, and anyone looking to improve food systems. It summarizes the framework's key ideas and provides simple steps to start making a difference in your community. The guide aligns with the Global Goals (SDGs) and the UN Declaration on the Rights of Indigenous Peoples (UNDRIP), encouraging you to join the movement for sustainable, equitable, and resilient food systems by 2035. It is part of the [Seed Starter Kit](#) and complements the framework's [Introduction](#).

## What is the framework?

The *Food and Agriculture Framework* is a plan to improve food systems—how we grow, share, and eat food—for people and the planet. It focuses on:

- ✦ **Sustainability:** Growing food in ways that benefit the environment, such as regenerative agriculture.
- ✦ **Equity:** Ensuring everyone, especially Indigenous peoples, women, and youth, shares in the benefits.
- ✦ **Resilience:** Building food systems that can withstand challenges like climate change or conflicts.

## Major goals by 2035:

- ✦ Halve global hunger.
- ✦ Make 30% of agricultural land regenerative (eco-friendly).
- ✦ Train 5 million farmers, including in Traditional Ecological Knowledge (TEK).

*Plain-language explanation:* This is a plan to grow food in a way that's good for the Earth, fair for everyone, and ready for tough times—with goals like reducing hunger and greening agriculture.

**Aligned with:** Supports SDG 2 (Zero Hunger), SDG 13 (Climate Action), and SDG 15 (Life on Land).

## Why it matters

Food affects everything—our health, environment, culture, and economy. But today's food systems often harm nature, deepen inequalities, and leave many hungry. We can change this.

*Plain-language explanation:* Food is more than nutrition—it's about how we treat each other and the planet.

## Key actions to get started

Want to contribute? Here are some simple steps:

1. 🌱 **Launch a pilot project** – Use the Seed Starter Kit to test regenerative methods in your area.
2. 🤝 **Collaborate with others** – Build networks with farmers, youth groups, or Indigenous communities.
3. 🗣️ **Share knowledge** – Use radio, SMS, apps, or meetings to spread solutions.
4. 🗳️ **Advocate to policymakers** – Help change policies and rules to support fair and sustainable solutions.
5. 📊 **Track progress** – Use simple tools to measure what works and adapt as needed.





*Plain-language explanation:* You can make a difference—alone or with others. Start where you are.

## Tools to help you

- ✦ **Seed Starter Kit** – Everything you need to launch a local project: [Download here](#)
- ✦ **Training guides** – For regenerative agriculture and TEK
- ✦ **Partnership template** – For building local collaborations
- ✦ **Monitoring & evaluation tools** – Simple templates to track progress

*Plain-language explanation:* We have ready-to-use tools you can apply right away.

## Get involved

- ✦  Join a global network of communities building tomorrow's food systems.
- ✦  Share your story, photos, or results.
- ✦  Help translate or distribute the guide to more languages and groups.
- ✦  Give us feedback—your voice shapes the next version.

**Together, we can create a food system that's sustainable, fair, and resilient—for everyone.**







# Food Systems Lite Guide

**Making food fair, healthy & earth-friendly - for everyone**

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## What's the Big Idea?





We want to fix food systems so they:

- ✦  Help the Earth
- ✦  Feed everyone
- ✦  Are fair and inclusive
- ✦  Bounce back during hard times

We're working together with farmers, youth, Indigenous communities, and leaders from all over the world.

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## Our 4 Core Values

Value	What it means
 <b>Sustainability</b>	Grow food in ways that help nature & fight climate change.
 <b>Equity</b>	Make sure everyone gets a fair share, especially those often left out.
 <b>Resilience</b>	Be strong through hard times like floods or price shocks.
 <b>Transparency</b>	Be open & honest so people trust the food system.

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## 4 Big Changes to Make a Difference

## 1 Shift the Money

### Move money from harmful farming to helpful farming

- ✦ Pay farmers to grow food that helps the planet.
- ✦ Fund tools like water-saving systems & soil care.
- ✦ Example: Costa Rica gave farmers money to protect forests 🌳

## 2 Share the Knowledge

### Make sure farmers can learn from each other

- ✦ Use community apps, SMS, radio, and local storytelling.
- ✦ Combine traditional wisdom with new tech.
- ✦ Example: Kenyan farmers used SMS to grow more milk 🐄 ➡ 📱

## 3 Same Rules, Fair Rules

### Get countries to agree on good food policies

- ✦ Work together with the UN and others on shared rules.
- ✦ Help small farmers trade fairly across borders.
- ✦ Example: African countries united to improve food policies 🌍

## 4 Community Leadership

### Let communities lead the way

- ✦ Half of the leadership team comes from Indigenous & local groups.
- ✦ Support youth & women to lead food projects.
- ✦ Example: In Chile, Indigenous farmers helped decide how to spend \ \$200M 🌽

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## Our Goals by 2035

- ✦  Cut hunger in half

- ✦ 🌾 30% of the world's farms use regenerative methods
- ✦ 🧑🌾 5 million farmers trained
- ✦ 💬 Local voices lead food decisions
- ✦ 📊 Tools to track what's working



## Timeline (Quick Glance)

Year	What Happens
2025	🌱 Start pilots, train 50k farmers, set up local teams
2026	📜 Align food policies in 30+ countries
2027	💰 Raise \$10B & reach 125M people
2028	🚀 Shift subsidies, grow training hubs
2029	🎉 Full rollout in 50+ countries



## Meet Aisha (A Real-Life Story)

Aisha lives in Mali. She farms millet 🌾

- ✦ She got SMS alerts about rain 🌧️
- ✦ Learned from elders + new tools
- ✦ Her harvest grew 15%, and she now shares tips with others in her community.



## Want to Get Involved?

- ✦ ✅ Start with the **Seed Kit**: [Download here](#)
- ✦ 📖 Read real farmer stories

- ✦ 🌐 Join local groups working on better food
  - ✦ 💬 Talk with elders, youth, and neighbors about food!
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## ❤️ Why It Matters

Because food is about more than eating. It's about:

- ✦ 🌐 Culture
- ✦ 🌿 Nature
- ✦ 👥 Community
- ✦ 🌍 Our shared future

Let's grow a better world—**together**.

# Food Systems & Agriculture Framework

## In this document:

- ✦ [Overview](#)
- ✦ [Framework Sections](#)
- ✦ [Implementation Tools](#)
- ✦ [Access and Usage](#)

In a world facing climate change, hunger, and inequity, the *Food Systems & Agriculture Framework* offers a blueprint for transformation, rooted in regenerative practices, Traditional Ecological Knowledge (TEK), and global collaboration. Inspired by the vision of a sustainable and equitable future, it reimagines food systems as resilient ecosystems, empowering farmers, indigenous communities, youth, and policymakers from Sub-Saharan villages to urban markets. This master index serves as the gateway to the framework, linking its sections and inviting stakeholders to co-create a world where food nourishes, restores, and unites.

## Overview

The framework is a comprehensive plan to transform global food systems, addressing interconnected challenges of food security, environmental degradation, and social inequity. It integrates strategic objectives, from enhancing food security to fostering innovation, with phased implementation strategies and robust monitoring and evaluation. Aligned with Sustainable Development Goals (SDGs), the Paris Agreement, and United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), it prioritizes equity, sustainability, and resilience. Practical tools, regional case studies, and planned visual components ensure accessibility and impact across diverse contexts.

**Purpose:** To build resilient, equitable, and sustainable global food systems by 2035, reducing hunger by 50%, achieving 30% regenerative farmland, and empowering 5 million farmers.

**Key Features:**

- ✦ Inclusive stakeholder engagement with co-governance for indigenous communities
- ✦ Hybrid innovation blending AI, blockchain, and TEK
- ✦ Regenerative agriculture and genetic diversity preservation
- ✦ Regional customization for diverse contexts (e.g., Sub-Saharan Africa, island nations)
- ✦ Community-led monitoring with quantitative and qualitative KPIs
- ✦ SDG-aligned metrics and global fund of \$50 billion
- ✦ Multilingual storytelling and visual advocacy formats
- ✦ Scalable pilot projects and open-source knowledge platforms

## Framework Sections

The framework is organized into 15 sections, each a critical component of its transformative design. Explore them below:

1. [Introduction](#): Outlines the purpose, scope, and global alignment of the framework.
2. [Definitions](#): Defines key terms like regenerative agriculture and agroecology.
3. [Glossary](#): Provides a quick-reference list of acronyms (e.g., TEK, UNDRIP).
4. [Theory of Change](#): Maps inputs to impact for systemic transformation.
5. [Stakeholder Engagement](#): Details inclusive governance and conflict resolution.
6. [Core Principles](#): Articulates guiding principles like sustainability and equity.

7. [Strategic Objectives](#): Outlines goals for food security, sustainability, innovation, and trade.
8. [Implementation Mechanisms](#): Describes policy, financing, and capacity-building strategies.
9. [Systemic Leverage Points](#): Identifies key intervention areas for transformation.
10. [Regional Customization](#): Tailors strategies to regional contexts.
11. [Risk Management](#): Addresses challenges like climate change and tech dependency.
12. [Timeline and Milestones](#): Provides a phased implementation schedule.
13. [Communication and Advocacy](#): Outlines storytelling and outreach strategies.
14. [Visual Appendix \(Planned\)](#): Describes planned dashboards and diagrams.
15. [Conclusion](#): Summarizes the vision and issues a call to action.

## Implementation Tools

To bridge theory and practice, the framework provides practical tools and templates for immediate use by stakeholders:

- ✦ [Start with the Seed Kit](#): A complete package for launching a Tier 1 pilot project.

- ✦ **Core Implementation Tools:**

- ✦ [Pilot Readiness Self-Assessment Tool](#) ↓
- ✦ [Stakeholder Engagement Charter Template](#) ↓
- ✦ [Regenerative Farming Guide](#) ↓
- ✦ [TEK Integration Template](#) ↓
- ✦ [Monitoring & Evaluation Rubric Template](#) ↓

- ✦ **Advocacy & Scaling Tools:**

- ✦ [Advocacy Playbook](#) ↓
- ✦ [Policy Harmonization Toolkit](#) ↓

✦ [Cost-Benefit Analysis Model](#) ↓

✦ **Framework Guides:**

✦ [Food Systems Framework Lite Guide](#) ↓ (English)

✦ [Matssystem Ramverk Lite Guide](#) ↓ (Swedish)

All tools are available in PDF and editable markdown formats, with selected tools in multiple languages. Access the complete [Tools Library](#) for all versions and formats.

## Access and Usage

The framework is accessible through the Global Governance Framework website, designed for easy adaptation and use.

Stakeholders can:

- ✦ **Download:** Access the complete framework as a PDF via the [Downloads](#) section.
- ✦ **Navigate:** Use this index to explore sections sequentially or jump to specific topics via section links.
- ✦ **Access Tools:** Browse all implementation tools in PDF and markdown formats at the [Tools Library](#).
- ✦ **Engage:** Share feedback through the contact portal or email [globalgovernanceframework@gmail.com], contributing to iterative refinements.
- ✦ **Amplify:** Leverage multimedia assets (e.g., comics, infographics) to advocate for adoption at local, national, or global levels.
- ✦ **Implement:** Use the [Implementation Tools](#) to launch pilots, starting with the “Start with the Seed” kit.

**Equity Commitment:** Materials are open-access. Initial translations are available in Swedish. Additional languages will be added as community volunteers and partnerships develop, with priority given to regions implementing pilots.

**Call to Action:** Join farmers, policymakers, youth, and communities worldwide in piloting, scaling, and refining this framework. Begin with



the “Start with the Seed” kit or explore case studies for inspiration. Together, let us cultivate a regenerative food system.

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**Cross-Reference Note:** This index links to all sections, grounding the framework in its vision, objectives, mechanisms, leverage points, regional strategies, risk management, timeline, advocacy, and planned visuals, while providing practical tools for immediate implementation.

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**About the Framework:** Developed through iterative design and feedback, this framework represents synthesized best practices from global stakeholders, maintained by a dedicated team at [globalgovernanceframework.org](http://globalgovernanceframework.org).

**Contribute:** Help expand accessibility by volunteering for translation, document formatting, or case study development. Contact us at [\[globalgovernanceframework@gmail.com\]](mailto:globalgovernanceframework@gmail.com) to join the community.

# Food Systems & Agriculture Framework: Introduction

## In this section:

- ✦ [Purpose](#)
- ✦ [Scope](#)
- ✦ [Global Alignment](#)
- ✦ [Accessibility Features](#)
- ✦ [Note on Visuals](#)

The *Food Systems & Agriculture Framework* is a transformative blueprint to reimagine global food systems as resilient, equitable, and sustainable ecosystems. In a world grappling with climate change, hunger, and social inequity, this framework integrates regenerative agriculture, Traditional Ecological Knowledge (TEK), and cutting-edge innovation to empower farmers, indigenous communities, youth, and policymakers. From drought-stricken fields in Sub-Saharan Africa to urban markets in South Asia, it offers a path to nourish people and planet, fostering collaboration across borders and cultures. This introduction outlines the framework's purpose, scope, alignment with global goals, and accessibility features, inviting stakeholders to co-create a future where food systems heal, unite, and thrive.

## Purpose

The framework aims to build resilient, equitable, and sustainable global food systems by 2035, addressing interconnected challenges of food security, environmental degradation, and social injustice. Its core objectives include:

- ✦ Reducing global hunger by 50% by 2030, per Sustainable Development Goal (SDG) 2.

- ✦ Scaling regenerative agriculture to 30% of global farmland by 2035.
- ✦ Empowering 5 million farmers through training and TEK integration by 2030.
- ✦ Fostering equitable trade and innovation, blending high-tech solutions (e.g., AI, blockchain) with traditional wisdom.

By prioritizing co-governance with indigenous and local communities, the framework seeks to create food systems that restore ecosystems, ensure fair access to resources, and build resilience against climate and economic shocks.

## Scope

The framework encompasses the entire food system value chain, including:

- ✦ **Production:** Advancing regenerative agriculture, agroecology, and genetic diversity preservation.
- ✦ **Distribution:** Strengthening resilient supply chains and equitable trade systems.
- ✦ **Consumption:** Enhancing access to nutritious, affordable food for all.
- ✦ **Waste Management:** Promoting circular economies and reducing food waste.

It addresses global and regional challenges, from drought in Sub-Saharan Africa to overproduction in North America, with tailored strategies for diverse contexts, including island nations and conflict zones. The framework engages stakeholders—governments, farmers, indigenous groups, youth, and private sectors—to drive systemic change.

## Global Alignment

The framework aligns with key international commitments to ensure coherence and impact:

- ✦ **Sustainable Development Goals (SDGs):** Directly supports SDG 2 (Zero Hunger), SDG 13 (Climate Action), and SDG 15 (Life on Land), with contributions to SDGs 1, 5, 10, and 17.
- ✦ **Paris Agreement:** Promotes carbon sequestration through regenerative practices, targeting 1 gigatonne of carbon dioxide equivalent (GtCO<sub>2</sub>e) annually by 2035.
- ✦ **Convention on Biological Diversity (CBD):** Preserves genetic diversity with 1,000 crop varieties supported by 2030.
- ✦ **UN Right to Food:** Ensures consistent access to safe, nutritious food.
- ✦ **United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP):** Embeds indigenous co-governance and TEK.
- ✦ **FAO Voluntary Guidelines on Food Systems and Nutrition:** Harmonizes policies for sustainable food systems.

This alignment positions the framework as a cornerstone for global governance initiatives, fostering collaboration across UN frameworks and national policies.

## Accessibility Features

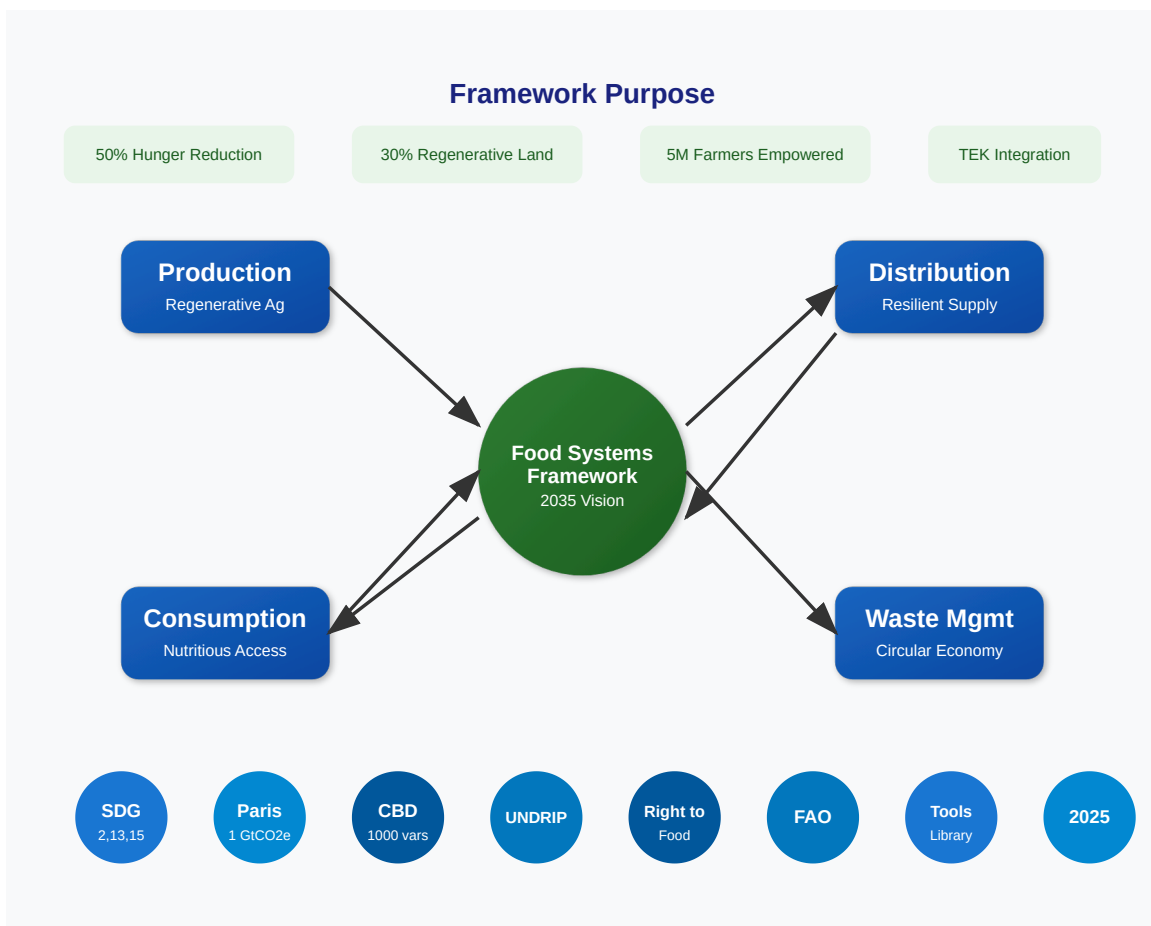
To ensure inclusivity, the framework is designed for diverse audiences:

- ✦ **Plain Language:** Key terms (e.g., regenerative agriculture) include accessible explanations marked with *Accessible explanation*.
- ✦ **Reading Time:** Estimated at 20 minutes for the full document; approximately 10-12 pages.
- ✦ **Executive Summary:** A 2-page summary will be released for high-level stakeholders.
- ✦ **Multilingual Access:** Materials will be translated into multiple languages (e.g., English, Spanish, Swahili), with accessible formats (e.g., braille, audio) for marginalized groups (LGBTQ+, Indigenous, neurodiverse, disabled, caste-oppressed, refugees).
- ✦ **Open Access:** All materials are freely available via the Global Governance Framework website.

## Note on Visuals

Future iterations will include visual components to enhance accessibility and engagement:

- ✦ Diagrams for stakeholder structure, leverage flows, and risk management.
- ✦ A Global Risk Heatmap for cross-framework synergy.
- ✦ Regional dashboards displaying real-time Key Performance Indicators (KPIs).
- ✦ A summary table for quick reference.



**Cross-Reference Note:** This introduction sets the foundation for the framework, followed by definitions, glossary, theory of change, and subsequent sections. Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Definitions

## In this section:

- ✦ [Regenerative Agriculture](#)
- ✦ [Agroecology](#)
- ✦ [Food Security](#)
- ✦ [Resilience](#)

The *Food Systems & Agriculture Framework* relies on a shared understanding of key concepts to guide its transformative vision. This section defines critical terms, providing both technical explanations and accessible, plain-language descriptions to ensure clarity for diverse stakeholders—farmers, policymakers, indigenous communities, youth, and global partners. These definitions ground the framework’s strategies, from scaling sustainable practices to fostering resilience, in a common language that bridges technical expertise and lived experience.

## Regenerative Agriculture

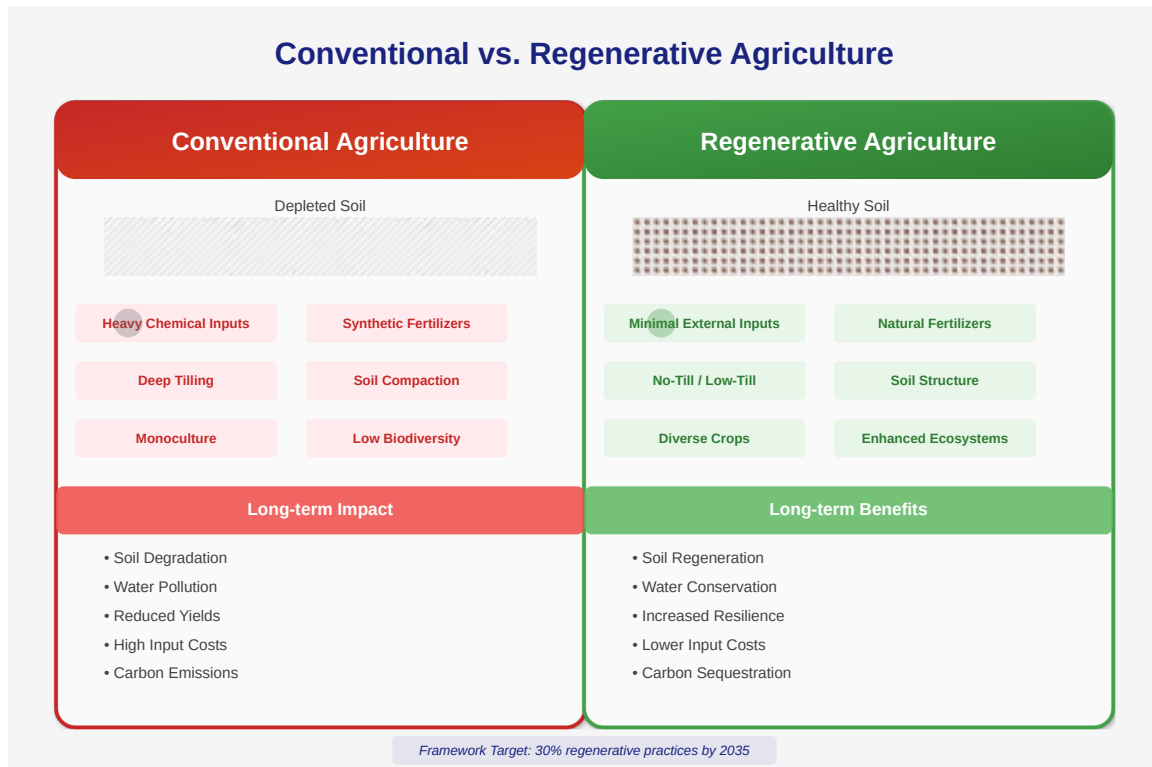
**Definition:** Farming practices that restore soil health, enhance biodiversity, and sequester carbon, such as cover cropping, no-till farming, and agroforestry. These methods improve ecosystem functions, increase resilience to climate change, and support long-term agricultural productivity.

*Accessible explanation:* Methods to improve land for sustainable farming, making soil healthier, protecting wildlife, and storing carbon to fight climate change.

**Context:** Regenerative agriculture is central to the framework’s goal of achieving 30% of global farmland under regenerative practices by

2035, aligning with Sustainable Development Goal (SDG) 15 (Life on Land) and the Paris Agreement.

## Visual: Conventional vs. Regenerative Agriculture Practices



**Description:** This comparison chart illustrates the fundamental differences between conventional and regenerative agriculture approaches, emphasizing both practices and their long-term impacts. The visual clearly demonstrates how regenerative methods restore rather than deplete natural resources, aligning directly with the framework’s strategic objectives.

### Key Insights:

- ✦ Regenerative practices reduce dependence on external inputs
- ✦ Soil health is actively improved rather than degraded
- ✦ Long-term economic benefits through lower input costs
- ✦ Environmental benefits include carbon sequestration and biodiversity enhancement

## Agroecology

**Definition:** An approach integrating ecological principles into agriculture, prioritizing local knowledge, biodiversity, and minimal external inputs (e.g., synthetic fertilizers). It emphasizes sustainable, community-driven farming systems that adapt to local ecosystems.

*Accessible explanation:* Farming that works with nature, using local wisdom to grow food sustainably with fewer chemicals.

**Context:** Agroecology underpins the framework's sustainable practices, supporting the training of 5 million farmers by 2030 and preserving genetic diversity, as outlined in the Strategic Objectives.

## Food Security

**Definition:** Consistent access to sufficient, safe, and nutritious food that meets dietary needs and cultural preferences for an active and healthy life, as defined by the United Nations (UN) Right to Food.

*Accessible explanation:* Ensuring everyone has enough safe, healthy, and culturally appropriate food every day.

**Context:** Food security is a core objective, with the framework targeting a 50% reduction in global hunger by 2030 (SDG 2: Zero Hunger) through enhanced local food systems and equitable trade.

## Resilience

**Definition:** The capacity of food systems to adapt to and recover from climate, economic, or social shocks, such as droughts, price spikes, or conflicts, while maintaining functionality and equity.

*Accessible explanation:* The ability of food systems to bounce back from crises, like floods or market crashes, while keeping food available and fair.

**Context:** Resilience is a guiding principle, embedded in regional customization (e.g., decentralized food hubs) and risk management strategies to address geopolitical and environmental challenges.



**Cross-Reference Note:** These definitions provide the foundation for the framework's strategies, detailed in subsequent sections like [Strategic Objectives](#) and [Regional Customization](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Glossary





## In this section:

- ✦ [About this Glossary](#)
- ✦ [Governance & Policy](#)
- ✦ [Technology & Innovation](#)
- ✦ [Environmental Metrics](#)
- ✦ [International Frameworks](#)
- ✦ [Implementation Tools](#)
- ✦ [Financial Terms](#)
- ✦ [Cultural & Social Concepts](#)

The *Food Systems & Agriculture Framework* uses a range of acronyms to refer to key concepts, organizations, and metrics. This glossary provides a quick-reference list organized by theme, ensuring clarity for all stakeholders—farmers, policymakers, indigenous communities, youth, and global partners. By demystifying technical terms with context, examples, and related concepts, the glossary supports inclusive engagement and effective implementation across diverse contexts.

## About this Glossary

This glossary includes:

- ✦  **Definitions** with real-world context
- ✦  **Related Terms** for deeper understanding
- ✦  **Examples** of practical application
- ✦  **Cross-references** to framework sections

## Governance & Policy

**UNDRIP** - United Nations Declaration on the Rights of Indigenous Peoples

*Definition:* A UN framework establishing indigenous rights, including self-determination and cultural preservation

*In Framework:* Guides co-governance approach and TEK integration

*Related Terms:* TEK, Co-governance

*Example:* Ensuring Aisha's community in Mali has decision-making power in local food policy

**FAO** - Food and Agriculture Organization

*Definition:* The UN's lead agency for food security and sustainable agriculture

*In Framework:* Provides guidelines for policy harmonization

*Related Terms:* Voluntary Guidelines, PSI

*Example:* Using FAO's Voluntary Guidelines to align national policies

**GAP** - Good Agricultural Practices

*Definition:* Standards for safe, sustainable farming that protect human and environmental health

*In Framework:* Used in farmer training programs

*Related Terms:* CSA, Regenerative Agriculture

*Example:* Training modules for smallholder farmers on safe pesticide handling

## Technology & Innovation

**AI** - Artificial Intelligence

*Definition:* Technology enabling predictive modeling and data-driven decision making

*In Framework:* Used for crop forecasting and supply chain optimization

*Related Terms:* Big Data, CSA

*Example:* Predictive models helping farmers prepare for drought conditions

**P2P** - Peer-to-Peer

*Definition:* Direct knowledge or resource sharing between individuals

without intermediaries

*In Framework:* Facilitates farmer-to-farmer knowledge exchanges

*Related Terms:* TEK, Open Source

*Example:* Farmers sharing successful water conservation techniques via community networks

**CSA** - Climate-Smart Agriculture

*Definition:* Farming approaches that increase productivity, build resilience, and reduce emissions

*In Framework:* Key component of innovation objectives

*Related Terms:* AI, GAP, Regenerative Agriculture

*Example:* Precision irrigation systems combined with drought-resistant crops

**ICT** - Information and Communication Technology

*Definition:* Technologies for gathering, storing, processing, and disseminating information

*In Framework:* Bridges digital divides in rural areas

*Related Terms:* SMS, Digital Divide

*Example:* Mobile apps providing real-time market prices to farmers

## Environmental Metrics

**GtCO2e** - Gigatonne of Carbon Dioxide Equivalent

*Definition:* Unit measuring greenhouse gas emissions; one Gt = one billion metric tons of CO<sub>2</sub>

*In Framework:* Target of 1 GtCO<sub>2</sub>e annual sequestration by 2035

*Related Terms:* Carbon Sequestration, Paris Agreement

*Example:* Measuring carbon stored by converting 100,000 hectares to regenerative farming

**KPI** - Key Performance Indicator

*Definition:* Measurable values demonstrating progress toward goals

*In Framework:* Used for monitoring both quantitative and qualitative outcomes

*Related Terms:* M&E, Metrics

*Example:* “30% regenerative farmland by 2035” is a quantitative KPI

## International Frameworks

### **SDGs** - Sustainable Development Goals

*Definition:* The UN's 17 interconnected global goals for sustainable development by 2030

*In Framework:* Direct support for SDGs 2, 13, and 15; contributes to SDGs 1, 5, 10, and 17

*Related Terms:* Paris Agreement, CBD

*Example:* SDG 2 (Zero Hunger) aligns with 50% hunger reduction target

### **CBD** - Convention on Biological Diversity

*Definition:* International treaty for biodiversity conservation and sustainable use

*In Framework:* Guides genetic diversity preservation goals

*Related Terms:* Biodiversity, Seed Banks

*Example:* Supporting 1,000 crop varieties through seed banks by 2030

### **CBAM** - Carbon Border Adjustment Mechanism

*Definition:* Policy tool to prevent “carbon leakage” in international trade

*In Framework:* Relevant for carbon trading and equitable international markets

*Related Terms:* Carbon Markets, Fair Trade

*Example:* Ensuring carbon-efficient farms can access preferential trade terms

## Implementation Tools

### **FTA** - Fair Trade Agreement

*Definition:* Trade arrangements ensuring fair prices and conditions for producers

*In Framework:* Part of equitable trade objectives

*Related Terms:* CBAM, Equitable Markets

*Example:* Supporting certification for 50% of agricultural exports by 2035

## **MRV** - Monitoring, Reporting, and Verification

*Definition:* System for tracking progress and ensuring accountability

*In Framework:* Core to transparency and adaptive management

*Related Terms:* KPI, M&E

*Example:* Annual carbon sequestration verification by independent bodies

## **Financial Terms**

### **Blended Finance**

*Definition:* Combining public, private, and philanthropic funding for development goals

*In Framework:* Key financing strategy for the \$50 billion fund

*Related Terms:* PPP, Impact Investment

*Example:* Multilateral donors + private investors funding rural infrastructure

### **Green Bonds**

*Definition:* Fixed-income securities specifically earmarked for climate and environmental projects

*In Framework:* Alternative funding source for regenerative agriculture scaling

*Related Terms:* Carbon Markets, Impact Investment

*Example:* Municipal green bonds funding urban agriculture initiatives

### **PPP** - Public-Private Partnership

*Definition:* Collaborative investment between government and private sector entities

*In Framework:* Leveraging \$10 billion in rural infrastructure investments

*Related Terms:* Blended Finance, Co-Investment

*Example:* Government + agribusiness funding precision agriculture technology access

## **Cultural & Social Concepts**

## **TEK** - Traditional Ecological Knowledge

*Definition:* Indigenous and local environmental wisdom developed over generations

*In Framework:* Integrated throughout training and practices

*Related Terms:* UNDRIP, P2P, Co-governance

*Example:* Incorporating TEK in pest management instead of chemical pesticides

## **Co-governance**

*Definition:* Shared decision-making between government and indigenous/local communities

*In Framework:* Core to stakeholder engagement and equity

*Related Terms:* UNDRIP, TEK

*Example:* Indigenous communities having equal voting power in regional food councils

## **Digital Divide**

*Definition:* Inequality in access to digital technologies and internet connectivity

*In Framework:* Addressed through SMS-based systems and radio training

*Related Terms:* ICT, SMS, Innovation

*Example:* Providing offline knowledge systems for farmers without internet access

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**Cross-Reference Note:** This glossary clarifies technical terms used throughout the framework, such as in [Strategic Objectives](#) and [Implementation Mechanisms](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Theory of Change

## In this section:

- ✦ [Overview](#)
- ✦ [Inputs](#)
- ✦ [Activities](#)
- ✦ [Feedback Mechanisms](#)
- ✦ [Outputs](#)
- ✦ [Outcomes](#)
- ✦ [Impact](#)
- ✦ [Visual: Food Systems & Agriculture Framework - Theory of Change](#)

The *Food Systems & Agriculture Framework* envisions a world where food systems are resilient, equitable, and sustainable, nourishing both people and the planet. The Theory of Change outlines the logical pathway to achieve this vision, connecting inputs to impact through a series of interconnected steps. By articulating how stakeholder engagement, innovative practices, and policy reforms translate into systemic transformation, this section provides a roadmap for farmers, policymakers, indigenous communities, youth, and global partners to collaboratively build a regenerative food future.

## Overview

The Theory of Change maps the framework's strategy to transform global food systems by 2035. It begins with diverse inputs, drives change through targeted activities, produces measurable outputs, leads to transformative outcomes, and culminates in a sustainable, equitable impact. This approach ensures alignment with Sustainable Development Goals (SDGs), the Paris Agreement, and United Nations



Declaration on the Rights of Indigenous Peoples (UNDRIP), while prioritizing inclusivity and resilience.

## Inputs

Resources and foundations that fuel the framework's implementation:

- ✦ **Stakeholder Engagement:** Collaboration among governments, farmers' associations, indigenous communities, youth movements, non-governmental organizations (NGOs), and private sectors (e.g., agribusiness, tech firms).
- ✦ **Funding:** A \$50 billion global fund, sourced from multilateral donors, carbon markets, private contributions, and reallocated national budgets, with alternative scenarios like crowdfunding and green bonds.
- ✦ **Policy Reforms:** National and global policy alignment with Food and Agriculture Organization (FAO) guidelines, the Paris Agreement, and UNDRIP.
- ✦ **Technology:** Hybrid solutions combining high-tech (e.g., artificial intelligence [AI], blockchain) with low-tech (e.g., Short Message Service [SMS] alerts) and Traditional Ecological Knowledge (TEK).  
**Adaptive Pathways:** Should inputs face constraints (e.g., funding shortfalls), alternative scenarios like impact bonds or community crowdfunding activate to maintain momentum.

## Activities

Key actions to drive change:

- ✦ **Training:** Educate 5 million farmers and 10,000 policymakers on regenerative agriculture and TEK by 2030.
- ✦ **Pilot Projects:** Launch and scale 50 pilot projects by 2027 to demonstrate regenerative and agroecological practices.
- ✦ **Policy Advocacy:** Push for redirecting 40% of global agricultural subsidies to sustainable practices by 2030.
- ✦ **Data Monitoring:** Establish real-time data platforms with region-specific dashboards to track Key Performance Indicators (KPIs).

## Feedback Mechanisms

The Theory of Change incorporates continuous learning through:

- ✦ Annual impact evaluations informing policy adjustments
- ✦ Real-time KPI monitoring enabling course corrections
- ✦ Community feedback loops ensuring stakeholder-driven adaptation

## Outputs

Tangible results from activities:

- ✦ **Increased Regenerative Farmland:** 30% of global farmland adopts regenerative practices by 2035, starting with 5% by 2025.
- ✦ **Improved Food Access:** Local food systems reduce import dependency by 20% in vulnerable regions by 2030.
- ✦ **Equitable Trade Systems:** Fair trade certification covers 50% of global agricultural exports by 2035.
- ✦ **Knowledge Platforms:** Open-source platforms train 1 million farmers and establish 500 community-driven peer-to-peer (P2P) exchanges by 2030.

## Outcomes

Intermediate changes resulting from outputs:

- ✦ **Enhanced Food Security:** Global hunger reduced by 50% by 2030, per SDG 2 (Zero Hunger).
- ✦ **Resilient Ecosystems:** Improved soil health, biodiversity, and carbon sequestration (1 gigatonne of carbon dioxide equivalent [GtCO<sub>2</sub>e] annually by 2035).
- ✦ **Equitable Benefits:** Fair access to resources, markets, and benefits, with indigenous co-governance and youth leadership embedded in decision-making.
- ✦ **Systemic Adaptability:** Food systems withstand climate, economic, and geopolitical shocks through decentralized hubs

and regional trade buffers.

- ✦ **Cultural Integration:** Traditional and modern agricultural knowledge systems harmonized, creating hybrid wisdom that respects heritage while embracing innovation.

## Impact

Long-term vision achieved by 2035:

- ✦ **Sustainable, Equitable, and Resilient Global Food Systems:** A world where food systems nourish all people, restore ecosystems, and foster equity, aligning with SDGs, the Paris Agreement, and UNDRIP. This impact empowers communities, preserves cultural and ecological diversity, and ensures food security for future generations.

## Food Systems & Agriculture Framework - Theory of Change



### Food Systems & Agriculture Framework - Theory of Change

**Overview:** This visual representation clearly illustrates the framework's pathway to systemic transformation of global food systems by 2035. The flowchart demonstrates how diverse inputs fuel targeted activities, which produce measurable outputs, leading to transformative outcomes, and culminating in sustainable impact.

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**Cross-Reference Note:** The Theory of Change informs the framework's [Strategic Objectives](#) and [Implementation Mechanisms](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Stakeholder Engagement

## In this section:

- ✦ [Key Actors](#)
- ✦ [Engagement Strategies](#)
- ✦ [Governance Structure](#)
- ✦ [Conflict Resolution](#)
- ✦ [Partner Matrix](#)
- ✦ [Power Dynamics & Equity](#)
- ✦ [Stakeholder Journey Maps](#)
- ✦ [Digital Inclusion Strategies](#)
- ✦ [Visual: Stakeholder Engagement Ecosystem](#)

The *Food Systems & Agriculture Framework* thrives on inclusive collaboration, bringing together diverse stakeholders to transform global food systems. From smallholder farmers in Mali to policymakers in global capitals, this section outlines how governments, indigenous communities, youth movements, and private sectors co-create a resilient, equitable, and sustainable future. By prioritizing co-governance, tailored engagement, and transparent conflict resolution, the framework ensures all voices—especially marginalized ones—shape its implementation, aligning with the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) and Sustainable Development Goals (SDGs).

## Key Actors

Stakeholders critical to the framework's success include:

- ✦ **Governments:** National and local authorities shaping agricultural policies and subsidies.
- ✦ **Non-Governmental Organizations (NGOs):** Entities like Oxfam and Digital Green supporting sustainable practices and advocacy.
- ✦ **Farmers' Associations:** Groups representing smallholder and large-scale farmers, driving grassroots adoption.
- ✦ **Agribusinesses:** Companies investing in sustainable supply chains and innovation.
- ✦ **Indigenous Communities:** Custodians of Traditional Ecological Knowledge (TEK), leading co-governance efforts.
- ✦ **Consumer Groups:** Advocates for fair trade and nutritious food access.
- ✦ **Youth Organizations and Movements:** Climate activists and young farmers spearheading innovation and advocacy.
- ✦ **Refugee Farming Communities:** Co-designing resilient farming models in camps and host areas.
- ✦ **Private Sector:** Technology firms (e.g., for AI solutions) and food retailers supporting equitable markets.

*Accessible explanation:* These are the people and groups—farmers, governments, youth, and businesses—working together to make food systems fair and sustainable.

## Engagement Strategies

Methods to foster inclusive collaboration:

- ✦ **Multi-Stakeholder Dialogues:** Regional workshops to align priorities, targeting 100 events annually by 2027.
- ✦ **Inclusive Representation:** Ensuring marginalized groups (e.g., smallholder farmers, women, youth, indigenous communities, refugees) have decision-making roles, with at least 50% representation in governance bodies.
- ✦ **Youth-Led Advocacy:** Youth movements lead campaigns and innovation challenges, engaging 10,000 young advocates by

2026.

- ✦ **Refugee Integration:** Co-design workshops with refugee communities to develop farming solutions, targeting 1,000 participants by 2028.
- ✦ **Knowledge Sharing:** Peer-to-peer (P2P) platforms and open-source repositories to disseminate TEK and best practices.

*Accessible explanation:* Bringing everyone together through meetings, fair representation, and sharing knowledge to make decisions.

## Governance Structure

Framework for collaborative decision-making:

- ✦ **Steering Committee:** A diverse body with representatives from all key actor groups, including co-governance roles for indigenous communities to embed TEK and cultural perspectives.
- ✦ **Working Groups:** Specialized teams addressing specific issues (e.g., policy reform, innovation, equity), with 10 groups operational by 2025.
- ✦ **Example:** The United Nations (UN) Food Systems Summit's dialogues, which integrated 1,500+ actors across 148 countries, serve as a model for inclusive governance.
- ✦ **Youth and Refugee Roles:** Dedicated subcommittees for youth movements and refugee communities to ensure their priorities shape outcomes.

*Accessible explanation:* A leadership team and smaller groups, including indigenous and youth voices, guide the framework's work.

## Conflict Resolution

Mechanisms to address disputes:

- ✦ **Tailored Mediation Panels:** Neutral facilitators, trained in Consensus Building Institute protocols, resolve conflicts (e.g., agribusiness vs. small farmers, indigenous groups vs. governments), with 20 panels established by 2026.

- ✦ **Participatory Decision-Making:** Protocols ensure equitable input, particularly for youth, indigenous, and refugee stakeholders, with decisions requiring 75% consensus.
- ✦ **Transparency:** Public reporting of mediation outcomes via biannual dashboards to build trust.

*Accessible explanation:* Fair processes to solve disagreements, ensuring everyone's voice is heard and solutions are open.

## Partner Matrix

Suggested lead organizations to drive strategic objectives:

Objective	Suggested Lead Organizations
Enhance Food Security	Food and Agriculture Organization (FAO), World Food Programme (WFP), International Fund for Agricultural Development (IFAD)
Promote Sustainable Practices	Alliance for a Green Revolution in Africa (AGRA), Bioversity International, Indigenous Terra Madre Network
Foster Innovation	CGIAR, Digital Green, Microsoft (for AI), Ethereum Foundation (for blockchain)
Ensure Equitable Trade	Fairtrade International, World Trade Organization (WTO), Oxfam

*Accessible explanation:* A table showing which trusted groups lead each goal, like improving food access or fair trade.

## Power Dynamics & Equity

Strategies to address power imbalances:

- ✦ **Power Mapping Workshops:** Quarterly sessions to assess power dynamics between stakeholders, identifying where corporations might overshadow smallholder voices.

- ✦ **Resource Redistribution:** 30% of governance meeting budgets allocated to supporting participation by marginalized stakeholders (travel, translation, childcare).
- ✦ **Veto Protection:** Any stakeholder group representing >100,000 beneficiaries can trigger review of decisions affecting their community.
- ✦ **Corporate Accountability:** Agribusinesses must demonstrate community benefit sharing in any public-private partnership.
- ✦ **Voice Amplification:** Rotating leadership roles ensure diverse perspectives lead negotiations and planning sessions.

*Accessible explanation:* Fair rules to ensure small farmers have equal say as big companies, with resources to participate fully.

## Stakeholder Journey Maps

Pathways from initial engagement to decision-making roles:

### Smallholder Farmers Journey:

1. **Discovery:** Local NGO outreach, SMS campaigns
2. **Initial Engagement:** Attend regional workshop
3. **Capacity Building:** TEK-modern farming integration training
4. **Active Participation:** Join farmers' association, vote on priorities
5. **Leadership:** Elected to working group, co-author policy recommendations

### Youth Advocate Journey:

1. **Discovery:** Social media campaigns, school programs
2. **Initial Engagement:** Innovation challenges, mentorship programs
3. **Skill Development:** Leadership training, technical workshops
4. **Active Participation:** Lead local initiatives, peer education
5. **Leadership:** Join steering committee, represent youth globally



## Refugee Community Journey:

1. **Discovery:** Camp-based information sessions, community leaders
2. **Initial Engagement:** Needs assessment workshops
3. **Co-design:** Participatory farm planning, cultural food integration
4. **Implementation:** Test regenerative practices, knowledge sharing
5. **Leadership:** Represent refugee interests, influence policy adaptation

*Accessible explanation:* Clear paths showing how anyone can grow from learning about the framework to helping lead it.

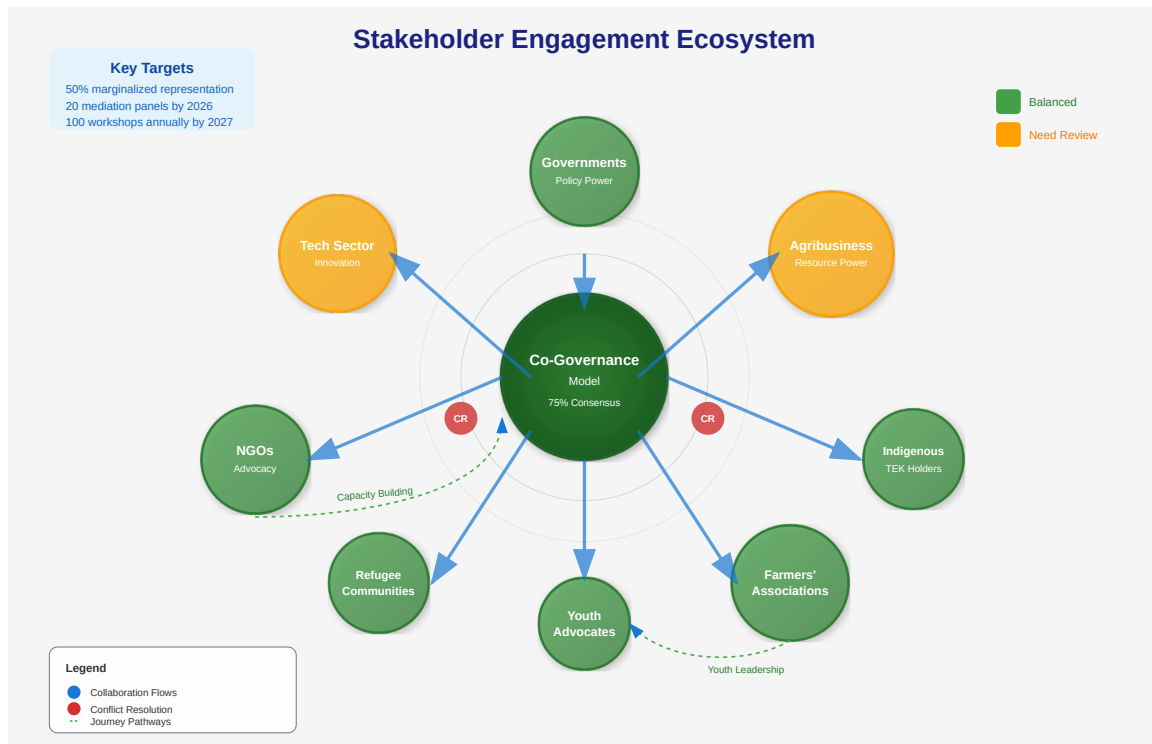
## Digital Inclusion Strategies

Ensuring access for all participants:

- ✦ **Offline Engagement Kits:** USB drives with framework content, workshop materials, translation tools for areas without internet
- ✦ **Audio Versions:** Radio broadcasts and MP3 files in local languages for stakeholders with limited literacy
- ✦ **Visual Communication:** Pictorial guides and symbol-based decision-making tools for cross-cultural understanding
- ✦ **Technology Cafes:** Partner with community centers to provide internet access points for virtual participation
- ✦ **Hybrid Models:** All major decisions available through both digital platforms and physical gatherings
- ✦ **Accessibility Accommodations:** Sign language interpretation, braille materials, and cognitive accessibility adaptations

*Accessible explanation:* Different ways to participate whether you have internet, speak different languages, or have special needs.

## Stakeholder Engagement Ecosystem



**Overview:** This dynamic stakeholder ecosystem diagram visualizes the complex web of relationships, power dynamics, and collaboration flows that drive the framework's inclusive governance model. The visualization emphasizes the central role of co-governance while showing clear pathways for all stakeholders to influence decisions.

**Cross-Reference Note:** Stakeholder engagement drives the framework's [Theory of Change](#) and [Implementation Mechanisms](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

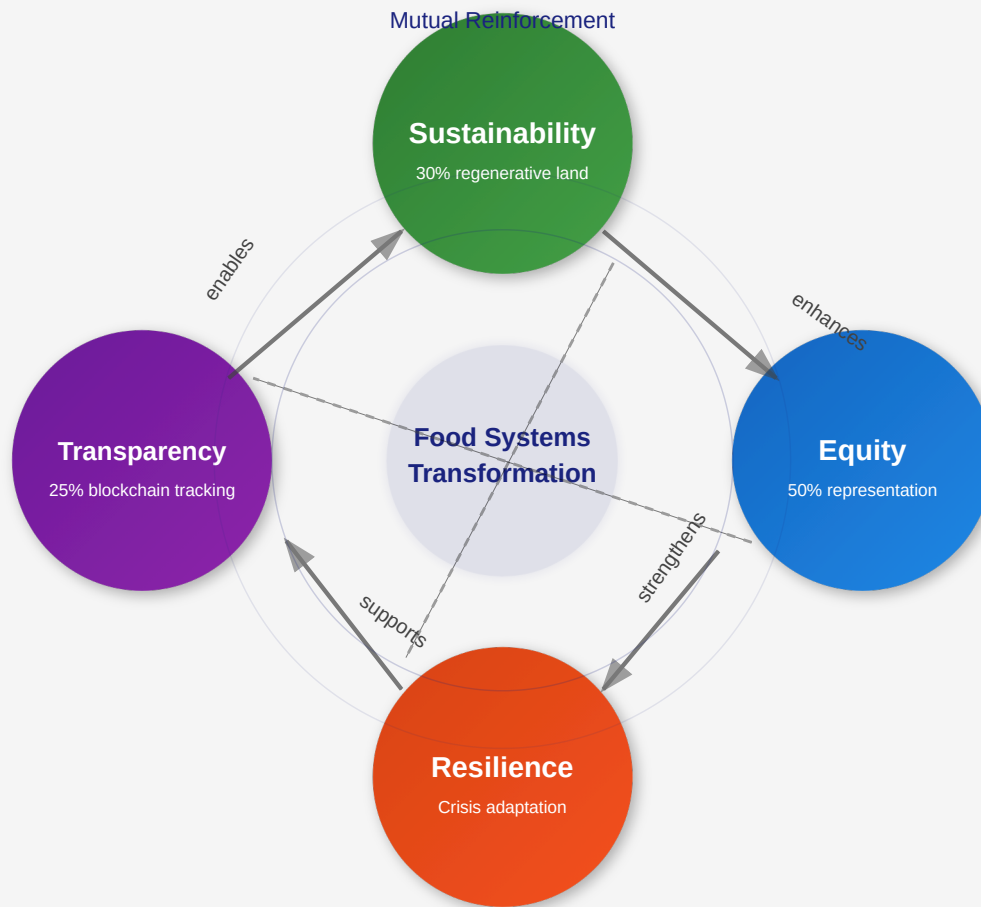
# Food Systems & Agriculture Framework: Core Principles

## In this section:

- ✦ [Sustainability](#)
- ✦ [Equity](#)
- ✦ [Resilience](#)
- ✦ [Transparency](#)
- ✦ [Navigating Principle Tensions](#)

The *Food Systems & Agriculture Framework* is anchored by four core principles—sustainability, equity, resilience, and transparency—that guide its vision of transforming global food systems into resilient, equitable, and regenerative ecosystems. These principles shape every strategy, from scaling regenerative agriculture to fostering inclusive stakeholder engagement, ensuring alignment with Sustainable Development Goals (SDGs), the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), and the Food and Agriculture Organization’s (FAO) Voluntary Guidelines. For farmers, indigenous communities, youth, and policymakers, these principles provide a shared foundation to co-create a nourishing future.

## Core Principles Interconnection



*Each principle strengthens the others, creating a synergistic foundation for transformation*

## Sustainability

**Definition:** Promoting agricultural practices that restore ecosystems, preserve biodiversity, and mitigate climate change, ensuring long-term food production without depleting natural resources.

### Application:

- ✦ Scale regenerative agriculture to 30% of global farmland by 2035, using practices like cover cropping and agroforestry.
- ✦ Support genetic diversity by preserving 1,000 crop varieties through seed banks by 2030.
- ✦ Achieve 1 gigatonne of carbon dioxide equivalent (GtCO<sub>2</sub>e) sequestration annually by 2035, aligning with the Paris Agreement.

*Accessible explanation:* Growing food in ways that protect nature, improve soil, and fight climate change for future generations.

## Equity

**Definition:** Ensuring fair access to resources, markets, and benefits for all stakeholders, with particular emphasis on marginalized groups such as smallholder farmers, women, youth, indigenous communities, and refugees, respecting indigenous rights per UNDRIP.

**Application:**

- ✦ Embed indigenous co-governance in decision-making, with 50% representation in governance bodies by 2026.
- ✦ Promote fair trade certification for 50% of global agricultural exports by 2035.
- ✦ Support 1,000 youth and women-led agricultural initiatives annually to empower underrepresented groups.

*Accessible explanation:* Making sure everyone, especially those often left out, gets fair opportunities and benefits from food systems.

## Resilience

**Definition:** Building food systems capable of adapting to and recovering from climate, economic, or social shocks, such as droughts, price volatility, or conflicts, while maintaining equitable access and functionality.

**Application:**

- ✦ Establish decentralized food hubs to maintain supply chains during crises, targeting 30% local sourcing by 2030.
- ✦ Develop early warning systems and crop insurance for 50% of smallholders by 2030.
- ✦ Deploy low-tech solutions (e.g., Short Message Service [SMS] alerts) to bridge digital gaps, reaching 1 million farmers by 2030.

*Accessible explanation:* Creating food systems that stay strong and fair even during tough times like floods or wars.

## Transparency

**Definition:** Fostering accountability and trust in food supply chains and policy processes through open data, public reporting, and inclusive decision-making.

**Application:**

- ✦ Implement blockchain for supply chain transparency, tracking 25% of global trade by 2035, with safeguards against data misuse.
- ✦ Publish biannual compliance dashboards to report policy alignment and mediation outcomes.
- ✦ Use participatory decision-making with 75% consensus requirements to ensure stakeholder trust.

*Accessible explanation:* Keeping food systems open and honest, so everyone knows what's happening and can trust the process.

## Navigating Principle Tensions

Inevitably, implementation will encounter situations where principles may seem to conflict. The framework addresses these through:

**Example Tensions & Resolutions:**

- ✦ **Transparency vs. Privacy:** When blockchain tracking could reveal sensitive farmer data, we implement “privacy-preserving transparency” - aggregated data for accountability without individual exposure.
- ✦ **Equity vs. Efficiency:** If rapid scaling bypasses thorough consultation, we slow implementation to ensure inclusive participation, recognizing that sustainable progress requires all voices.

- ♦ **Resilience vs. Costs:** When expensive technologies could enhance resilience but exclude smallholders, we prioritize accessible solutions like hybridized TEK-tech approaches.

### **Resolution Mechanisms:**

- ♦ Steering Committee review using the 75% consensus requirement
- ♦ Mediation panels for complex conflicts
- ♦ Regular principle alignment audits to ensure no single principle dominates

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**Cross-Reference Note:** These core principles guide the framework's [Strategic Objectives](#) and [Stakeholder Engagement](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Strategic Objectives

## In this section:

- ✦ [Enhance Food Security](#)
- ✦ [Promote Sustainable Practices](#)
- ✦ [Foster Innovation](#)
- ✦ [Ensure Equitable Trade](#)
- ✦ [Link to Regional Customization](#)

The *Food Systems & Agriculture Framework* sets four strategic objectives to transform global food systems by 2035: enhancing food security, promoting sustainable practices, fostering innovation, and ensuring equitable trade. These objectives, aligned with Sustainable Development Goals (SDGs), the Paris Agreement, and the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), provide clear, measurable targets for stakeholders—farmers, indigenous communities, youth, policymakers, and private sectors. By integrating regenerative agriculture, Traditional Ecological Knowledge (TEK), and cutting-edge technology, these goals drive systemic change toward a resilient, equitable, and sustainable future.

## Enhance Food Security

**Objective:** Increase access to nutritious, affordable, and culturally appropriate food globally, reducing hunger and supporting local food systems.

### Targets:

- ✦ Reduce global hunger by 50% by 2030, aligning with SDG 2 (Zero Hunger).



- ✦ Decrease import dependency by 20% in vulnerable regions by 2030 through strengthened local food systems.

**Strategies:**

- ✦ Expand community-led food hubs to improve distribution in underserved areas.
- ✦ Support urban agriculture and smallholder cooperatives to boost local production.
- ✦ Implement nutrition-focused programs to ensure dietary diversity.

*Accessible explanation:* Make sure everyone has enough healthy, local food to eat, cutting hunger in half by 2030.

**Alignment:** Supports SDG 2 and the United Nations (UN) Right to Food.

## Promote Sustainable Practices

**Objective:** Scale agroecological and regenerative methods to restore ecosystems, preserve biodiversity, and mitigate climate change.

**Targets:**

- ✦ Achieve 30% of global farmland under regenerative practices by 2035 (2025: 5%, 2029: 15%).
- ✦ Reduce irrigation waste by 25% through water conservation techniques by 2030.
- ✦ Support 10,000 community-led water management projects (e.g., rainwater harvesting, watershed restoration) by 2030.
- ✦ Preserve genetic diversity by supporting 1,000 crop varieties and seed banks by 2030.

**Strategies:**

- ✦ Incentivize soil health through carbon sequestration programs.
- ✦ Establish seed banks with indigenous communities to preserve crop diversity.

- ✦ Promote agroforestry and no-till farming to enhance biodiversity.

*Accessible explanation:* Grow food in ways that help nature, save water, and protect different types of crops for the future.

**Alignment:** Supports SDG 15 (Life on Land), SDG 13 (Climate Action), and the Convention on Biological Diversity (CBD).

## Foster Innovation

**Objective:** Integrate climate-smart technologies and TEK to enhance productivity, accessibility, and sustainability while bridging digital divides.

### Targets:

- ✦ Launch 100 artificial intelligence (AI)-driven projects for crop modeling and supply chain optimization by 2030, with data privacy protocols.
- ✦ Track 25% of global agricultural trade using blockchain by 2035, with safeguards against data monopolies.
- ✦ Reach 1 million farmers in low-connectivity areas with low-tech solutions (e.g., Short Message Service [SMS] alerts, radio training) by 2030.
- ✦ Establish 500 community-owned peer-to-peer (P2P) platforms and train 1 million farmers via open-source knowledge platforms by 2030.

### Strategies:

- ✦ Deploy precision agriculture and vertical farming for smallholders.
- ✦ Balance high-tech (e.g., AI, blockchain) with low-tech (e.g., SMS alerts) solutions.
- ✦ Develop hybrid models combining low-cost sensors with agroecological practices.
- ✦ Support open-source seed libraries and TEK repositories.

### Case Examples:

- ✦ *Kenya:* iCow's SMS alerts, integrated with TEK, boosted yields by 20% for smallholder farmers.
- ✦ *India:* Digital Green's video-based TEK training reached 1.5 million farmers, enhancing sustainable practices.
- ✦ *Peru:* The Potato Park preserved 1,200 potato varieties using TEK, strengthening food security.

*Accessible explanation:* Use new technology and traditional knowledge to help farmers grow more food sustainably, even in remote areas.

**Alignment:** Supports SDG 13 and the Food and Agriculture Organization's (FAO) Voluntary Guidelines.

## Ensure Equitable Trade

**Objective:** Reform trade policies to protect local markets, ensure fair pricing, and promote equitable access to global markets.

### Targets:

- ✦ Reduce trade barriers for small-scale producers by 15% by 2030.
- ✦ Achieve fair trade certification for 50% of global agricultural exports by 2035.

### Strategies:

- ✦ Advocate for policy reforms to prioritize smallholder market access.
- ✦ Expand fair trade networks to support equitable pricing.
- ✦ Develop regional trade buffers to mitigate geopolitical disruptions.

*Accessible explanation:* Make trade fairer so small farmers get better prices and access to markets.

**Alignment:** Supports SDG 2 and SDG 10 (Reduced Inequalities).

## Link to Regional Customization

The objectives are tailored to regional needs, ensuring relevance across diverse contexts:

- ✦ Sub-Saharan Africa: Focus on drought-resistant crops and SMS-based knowledge systems.
- ✦ South Asia: Emphasize urban agriculture and micro-irrigation.
- ✦ Latin America: Prioritize agroforestry and indigenous seed banks.
- ✦ Island Nations: Develop saltwater-tolerant crops and aquaponics.
- ✦ Conflict Zones: Support mobile seed banks and community gardens.

Detailed strategies are outlined in [Regional Customization](#).

*Accessible explanation:* Adjust goals to fit local needs, like drought-proof crops in Africa or urban farms in Asia.

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**Cross-Reference Note:** These objectives drive the framework's [Theory of Change](#) and are operationalized in [Implementation Mechanisms](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Implementation Mechanisms

## In this section:

- ✦ [Policy Development](#)
- ✦ [Financing](#)
- ✦ [Monitoring and Evaluation](#)
- ✦ [Digital Infrastructure Timeline](#)
- ✦ [Conflict Resolution](#)
- ✦ [Capacity Building](#)
- ✦ [Institutional Accountability](#)
- ✦ [Integration of TEK](#)
- ✦ [Regional Case Studies](#)
- ✦ [Implementation Checklist \(Year 1, 2025\)](#)

The *Food Systems & Agriculture Framework* translates its vision into action through robust implementation mechanisms, enabling stakeholders—farmers, indigenous communities, youth, policymakers, and private sectors—to drive systemic change. These mechanisms, grounded in the framework’s [Core Principles](#) and [Strategic Objectives](#), provide practical strategies for policy, financing, monitoring, and capacity building. Aligned with Sustainable Development Goals (SDGs), the Paris Agreement, and United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), this section ensures the framework is actionable, inclusive, and resilient across diverse global contexts.

## Policy Development

**Objective:** Harmonize national and global policies to support sustainable food systems.

## Strategies:

- ✦ Align national agricultural policies with Food and Agriculture Organization (FAO) Voluntary Guidelines, the Paris Agreement, and UNDRIP by 2030.
- ✦ Advocate for redirecting 40% of global agricultural subsidies to regenerative practices by 2030, engaging 100 countries through policy workshops by 2027.
- ✦ Develop model legislation for fair trade and smallholder protections, adopted by 50 nations by 2028.

*Accessible explanation:* Create laws and rules worldwide to support eco-friendly farming and fair food systems.

**Alignment:** Supports SDG 17 (Partnerships for the Goals).

## Financing

**Objective:** Secure and allocate resources to fund framework implementation.

## Strategies:

- ✦ Establish a \$50 billion global fund by 2027, sourced from multilateral donors, carbon markets, private sector contributions, and national budgets reallocated from fossil fuel subsidies.
- ✦ Explore alternative financing scenarios, including crowdfunding campaigns and green bonds, to supplement funding if multilateral commitments fall short.
- ✦ Leverage public-private partnerships to mobilize \$10 billion for rural infrastructure (e.g., irrigation, storage) by 2035.

*Accessible explanation:* Raise and distribute money to support farmers, new technologies, and sustainable projects.

**Alignment:** Supports SDG 13 (Climate Action) and SDG 2 (Zero Hunger).

## Monitoring and Evaluation

**Objective:** Track progress and ensure accountability through clear metrics.

### Key Performance Indicators (KPIs):

#### ♦ Quantitative:

- ♦ 30% regenerative farmland (2025: 5%, 2029: 15%).
- ♦ 50% hunger reduction (2027: 25%).
- ♦ 1 gigatonne of carbon dioxide equivalent (GtCO<sub>2</sub>e) sequestration annually by 2035.

#### ♦ Qualitative:

- ♦ Trust-building (80% stakeholder satisfaction by 2029, measured via surveys).
- ♦ Cultural shifts (50% adoption of indigenous practices in pilot regions by 2029).
- ♦ Ecological integrity (20% biodiversity improvement by 2030, per indices).

### Strategies:

- ♦ Develop real-time data platforms with region-specific dashboards (e.g., Sub-Saharan Africa drought resilience dashboard) updated annually.
- ♦ Conduct annual evaluations, with a mid-term review in 2027, to refine strategies.

*Accessible explanation:* Measure progress with numbers (like farmland improved) and feelings (like trust) to keep the plan on track.

**Alignment:** Supports SDG 2 and SDG 15 (Life on Land).

## Digital Infrastructure Timeline

### Digital Infrastructure Timeline:

- ✦ 2025: Establish 10 regional data centers with offline-first architecture
- ✦ 2026: Deploy satellite connectivity to 1,000 rural communities
- ✦ 2027: Launch hybrid platforms serving 100% offline capabilities
- ✦ 2028: Integrate AI-predictive models with 50% processing occurring locally
- ✦ 2030: Achieve interoperability between all national monitoring systems

*Accessible explanation:* Build a step-by-step plan to bring technology to everyone, starting with simple offline systems.

## Conflict Resolution

**Objective:** Address disputes fairly to maintain collaboration.

**Strategies:**

- ✦ Establish 20 tailored mediation panels by 2026, using Consensus Building Institute protocols, to resolve conflicts (e.g., agribusiness vs. small farmers).
- ✦ Implement participatory decision-making with 75% consensus requirements, prioritizing input from youth, indigenous, and refugee stakeholders.
- ✦ Publish mediation outcomes on biannual public dashboards to ensure transparency.

*Accessible explanation:* Set up fair ways to solve disagreements, making sure everyone's voice is heard and results are shared openly.

**Alignment:** Supports SDG 16 (Peace, Justice, and Strong Institutions).

## Capacity Building

**Objective:** Equip stakeholders with skills and resources for sustainable practices.

**Strategies:**



- ✦ Train 5 million farmers and 10,000 policymakers on regenerative agriculture and TEK by 2030, with tailored modules for women and youth.
- ✦ Support 1,000 youth and women-led agricultural initiatives annually, providing grants and mentorship.
- ✦ Develop training hubs in 50 regions by 2028, integrating low-tech (e.g., radio) and high-tech (e.g., e-learning) delivery.

*Accessible explanation:* Teach millions of farmers and leaders how to farm sustainably, with special support for women and youth.

**Alignment:** Supports SDG 4 (Quality Education) and SDG 5 (Gender Equality).

## Institutional Accountability

**Objective:** Ensure compliance with framework goals through oversight.

### Strategies:

- ✦ Conduct global audits by an independent body, starting in 2026, to verify national policy alignment, with sanctions (e.g., reduced fund access) for non-compliance enforced via diplomatic agreements and UN-led oversight to respect national sovereignty.

**Example Mechanism:** Non-compliance triggers a graduated response:

- ✦ Year 1: Warning with technical support offer
- ✦ Year 2: Restriction to non-core funding (access to emergency funds maintained)
- ✦ Year 3: Peer-to-peer review by aligned nations before fund access
- ✦ All sanctions preserve humanitarian aid flows and can be reversed upon demonstrated progress

*Accessible explanation:* Penalties respect each country's independence while encouraging progress through support first, restrictions later.

- ✦ Maintain public compliance dashboards, updated biannually, to report progress and challenges.

*Accessible explanation:* Check that countries follow the plan, using fair consequences and open reports to keep everyone accountable.

**Alignment:** Supports SDG 16.

## Integration of TEK

**Objective:** Embed indigenous and local knowledge into food systems.

**Strategies:**

- ✦ Develop TEK training programs with indigenous communities, targeting 500,000 farmers trained by 2030.
- ✦ Create TEK repositories linked to open-source platforms, preserving knowledge for 1,000 communities by 2030.
- ✦ Partner with indigenous-led organizations (e.g., Indigenous Terra Madre Network) to co-design practices.

*Accessible explanation:* Use traditional wisdom from indigenous groups to improve farming, saving and sharing their knowledge.

**Alignment:** Supports UNDRIP and SDG 10 (Reduced Inequalities).

## Regional Case Studies

**Examples:**

- ✦ *Sub-Saharan Africa:* Kenya's Kilimo Salama insured 185,000 farmers against climate risks, a model for scaling crop insurance to 1 million farmers by 2030.
- ✦ *South Asia:* India's Zero Budget Natural Farming trained 700,000 farmers in TEK-based methods, reducing costs by 30%, inspiring similar programs in 10 countries by 2028.

*Accessible explanation:* Real stories from places like Kenya and India show how the plan works and can grow.

**Alignment:** Supports SDG 2 and SDG 13.

## Implementation Checklist (Year 1, 2025)

### Key Actions:

- ✦ Conduct stakeholder mapping and establish steering committee (Q1).
- ✦ Adopt framework at [globalgovernanceframework.org](http://globalgovernanceframework.org) summit (Q2).
- ✦ Launch 10 pilot projects in 5 regions (Q3).
- ✦ Develop initial regional dashboards and data platforms (Q3).
- ✦ Train 50,000 farmers and 1,000 policymakers in TEK and sustainable practices (Q4).
- ✦ Publish first annual evaluation report (Q4).

*Accessible explanation:* A to-do list for the first year to start the plan, like setting up teams and testing projects.

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**Cross-Reference Note:** These mechanisms operationalize the framework's [Strategic Objectives](#) and support [Stakeholder Engagement](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Systemic Leverage Points

## In this section:

- ✦ [Overview](#)
- ✦ [Subsidy Redirection](#)
- ✦ [Knowledge Commons](#)
- ✦ [Policy Harmonization](#)
- ✦ [Community Co-Governance](#)
- ✦ [Visual Placeholder](#)

The *Food Systems & Agriculture Framework* targets systemic leverage points—strategic areas where focused interventions can drive transformative change across global food systems. By redirecting subsidies, democratizing knowledge, harmonizing policies, and empowering communities, these leverage points amplify the framework’s [Strategic Objectives](#) and align with Sustainable Development Goals (SDGs), the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), and the Paris Agreement. This section equips stakeholders—farmers, indigenous communities, youth, and policymakers—with high-impact strategies to create resilient, equitable, and sustainable food systems.

## Overview

Systemic leverage points are critical intervention areas that catalyze widespread change by addressing root causes and amplifying impact. The framework identifies four key leverage points: subsidy redirection, knowledge commons, policy harmonization, and community co-governance. These interventions work synergistically to shift food systems toward sustainability and equity, ensuring alignment with the

framework's [Core Principles](#) of sustainability, equity, resilience, and transparency.

*Accessible explanation:* These are key areas where small changes can make a big difference, like redirecting money or sharing knowledge to improve food systems.

## Subsidy Redirection

**Definition:** Shifting financial incentives from unsustainable practices to regenerative and agroecological methods to support sustainable food production.

### Strategies:

- ✦ Redirect 40% of global agricultural subsidies to regenerative practices by 2030, engaging 100 countries through policy advocacy workshops by 2027.
- ✦ Offer tax breaks and grants for farmers adopting sustainable practices, targeting 1 million farmers by 2028.
- ✦ Reallocate fossil fuel subsidies to fund rural infrastructure, such as irrigation and storage systems.

### Impact:

- ✦ Scales regenerative farmland to 30% by 2035.
- ✦ Reduces environmental degradation and supports carbon sequestration.

### Success Stories:

- ✦ *Costa Rica:* Since 1997, Payment for Environmental Services (PES) redirected \$500M to farmers, reversing deforestation and increasing forest cover by 50%, benefiting 8,000 farming families.
- ✦ *European Union:* “Farm to Fork” strategy redirected €100B in subsidies toward organic farming, leading to 19% of farmland under organic production by 2022.

- ✦ *Brazil:* Family Farming Pronaf program reallocated \$20B to agroecological practices, supporting 800,000 family farms and increasing local food sovereignty.

*Accessible explanation:* Countries like Costa Rica and Brazil show how redirecting money helped forests grow back and supported small farmers.

**Alignment:** Supports SDG 15 (Life on Land) and the Paris Agreement.

## Knowledge Commons

**Definition:** Creating open-source platforms and peer-to-peer (P2P) exchanges to democratize access to agricultural knowledge, including Traditional Ecological Knowledge (TEK) and modern innovations.

### Strategies:

- ✦ Establish 500 community-owned P2P platforms by 2030 to share best practices and TEK.
- ✦ Develop open-source knowledge platforms, training 1 million farmers by 2030 in sustainable practices and technology use.
- ✦ Create TEK repositories with indigenous communities, preserving knowledge for 1,000 communities by 2030.

### Impact:

- ✦ Empowers farmers with accessible, culturally relevant knowledge.
- ✦ Bridges digital divides through low-tech solutions like Short Message Service (SMS) alerts.

### Success Stories:

- ✦ *India:* The National Gene Fund preserved 40,000 rice varieties through community seed banks, while Digital Green's video-based P2P sharing reached 1.5M farmers, reducing pesticide use by 30%.

- ✦ *Kenya:* iCow platform combined local expertise with SMS technology, serving 800,000 farmers and improving dairy yields by 25%.
- ✦ *Worldwide:* Open Source Seed Initiative created networks in 40 countries, protecting 3,000 crop varieties from patent restrictions and increasing seed diversity for 100,000 farmers.

*Accessible explanation:* Countries prove sharing local and digital knowledge helps millions of farmers grow better food and protect traditional seeds.

**Alignment:** Supports SDG 4 (Quality Education) and UNDRIP.

## Policy Harmonization

**Definition:** Aligning national and global policies to create a cohesive framework for sustainable food systems, reducing fragmentation and ensuring accountability.

### Strategies:

- ✦ Harmonize national policies with Food and Agriculture Organization (FAO) Voluntary Guidelines, the Paris Agreement, and UNDRIP by 2030.
- ✦ Develop model legislation for fair trade and smallholder protections, adopted by 50 nations by 2028.
- ✦ Conduct global audits by an independent body, starting in 2026, to ensure compliance.

### Impact:

- ✦ Creates a unified policy environment that supports equitable trade and sustainable practices.
- ✦ Enhances global cooperation and accountability.

### Success Stories:

- ✦ *African Union:* Comprehensive Africa Agriculture Development Programme (CAADP) harmonized food policies across 47

countries, mobilizing \$65B and reducing hunger by 15%.

- ✦ *Nordic Council*: Unified food policy framework across 5 nations created seamless organic certification, increasing regional trade by 40% and supporting 50,000 sustainable farms.
- ✦ *ASEAN*: Regional food security framework standardized quality standards across 10 countries, facilitating \$50B in intra-regional trade and benefiting 2 million smallholders.

*Accessible explanation*: When neighboring countries work together with the same rules, it helps farmers sell their food more easily and fairly.

**Alignment**: Supports SDG 17 (Partnerships for the Goals).

## Community Co-Governance

**Definition**: Empowering local and indigenous communities to lead decision-making, ensuring food systems reflect cultural and ecological priorities.

### Strategies:

- ✦ Embed indigenous co-governance in steering committees, with 50% representation by 2026.
- ✦ Support 1,000 youth and women-led agricultural initiatives annually to foster inclusive leadership.
- ✦ Facilitate participatory decision-making with 75% consensus requirements, prioritizing marginalized groups.

### Impact:

- ✦ Ensures equitable benefits and cultural relevance in food systems.
- ✦ Builds trust and strengthens community resilience.

### Success Stories:

- ✦ *New Zealand*: Māori co-management of fisheries led to sustainable quotas, restored 200,000 hectares of marine



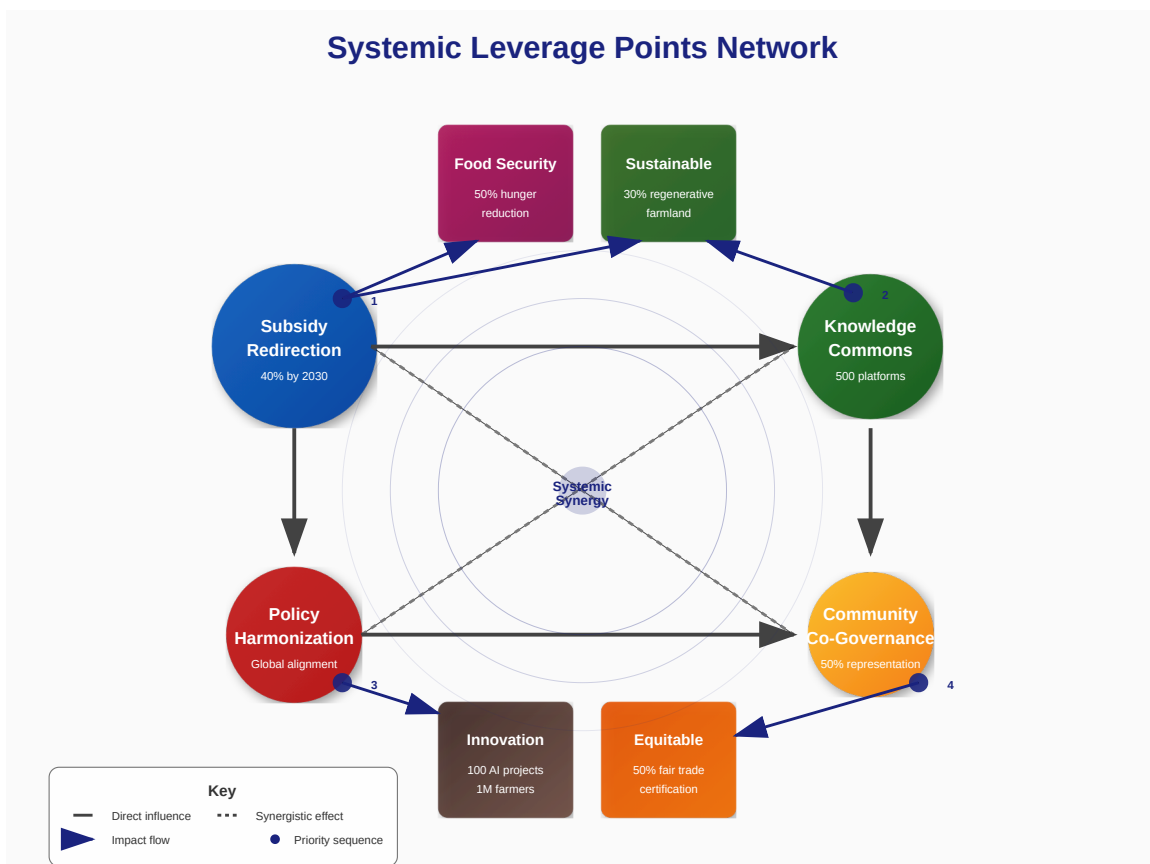
ecosystems, and doubled Māori fishing employment to 5,000 jobs.

- ✦ *Ecuador*: Constitutional recognition of indigenous food sovereignty enabled 1,200 indigenous communities to protect 2M hectares of agricultural biodiversity and increase food self-sufficiency by 40%.
- ✦ *Chile*: Participatory budget program allocated \$200M to indigenous farming initiatives, supporting 30,000 families in reclaiming ancestral seeds and reducing rural poverty by 25%.

*Accessible explanation*: When indigenous people help make decisions, they protect nature better and strengthen their communities' food security.

**Alignment**: Supports UNDRIP and SDG 10 (Reduced Inequalities).

## Visual: Systemic Leverage Points Network



- ✦ *Description*: A diagram showing leverage points as interconnected nodes (subsidy redirection, knowledge commons, policy harmonization, community co-governance), with arrows

illustrating influence flows to strategic objectives like food security and sustainable practices. Developed for systems clarity.

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**Cross-Reference Note:** These leverage points amplify the framework's [Implementation Mechanisms](#) and align with [Stakeholder Engagement](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Regional Customization

## In this section:

- ✦ [Context Analysis](#)
- ✦ [Tailored Strategies](#)
- ✦ [Anticipatory Strategies](#)
- ✦ [Knowledge Exchange](#)
- ✦ [Regional Alliances for Shared Challenges](#)
- ✦ [Example Persona](#)

The *Food Systems & Agriculture Framework* recognizes that global food systems must be adapted to diverse regional contexts to achieve resilience, equity, and sustainability. By analyzing local challenges and opportunities, tailoring strategies, and fostering knowledge exchange, this section ensures the framework's [Strategic Objectives](#) are relevant from Sub-Saharan Africa to island nations. Aligned with Sustainable Development Goals (SDGs), the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), and the Food and Agriculture Organization's (FAO) Voluntary Guidelines, regional customization empowers stakeholders—farmers, indigenous communities, youth, and policymakers—to address unique needs while advancing global goals.

## Context Analysis

**Objective:** Assess regional challenges and opportunities to inform tailored strategies.

### Approach:

- ✦ Conduct regional assessments of environmental, economic, and social factors, such as drought in Sub-Saharan Africa,

overproduction in North America, sea-level rise in island nations, and conflict in fragile zones.

- ✦ Engage local stakeholders (e.g., farmers' associations, indigenous groups) to identify priorities, targeting 50 regional reports by 2026.
- ✦ Use data platforms to monitor region-specific Key Performance Indicators (KPIs), such as water scarcity or food insecurity rates.

*Accessible explanation:* Study each region's unique problems, like droughts or conflicts, to plan the best solutions.

**Alignment:** Supports SDG 2 (Zero Hunger) and SDG 13 (Climate Action).

## Tailored Strategies

**Objective:** Adapt framework objectives to regional needs for maximum impact.

### Regional Examples:

#### ✦ Sub-Saharan Africa:

- ✦ Prioritize irrigation systems and drought-resistant crops (e.g., sorghum, millet) to combat water scarcity.
- ✦ Deploy offline knowledge systems (e.g., radio, Short Message Service [SMS] alerts) to reach 500,000 farmers by 2030, addressing digital gaps.

#### ✦ South Asia:

- ✦ Focus on urban agriculture and micro-irrigation to support dense populations and water efficiency.
- ✦ Promote climate-adaptive seed varieties to enhance resilience to monsoons.

#### ✦ Latin America:

- ✦ Support agroforestry and indigenous seed banks, such as Brazil's Cerrado region, which integrates TEK to restore 10,000 hectares by 2030.

#### ✦ Island Nations:

- ✦ Develop saltwater-tolerant crops and floating farms, like the Maldives' pilot aquaponics restoring 500 hectares of arable land.

✦ **Conflict Zones:**

- ✦ Establish mobile seed banks and community gardens, as in Syria, where urban farming initiatives supported 10,000 displaced families.

*Accessible explanation:* Create specific plans for each region, like drought-proof crops in Africa or floating farms in islands.

**Alignment:** Supports SDG 15 (Life on Land) and UNDRIP.

## Anticipatory Strategies

**Objective:** Proactively address future challenges to ensure long-term resilience.

**Strategies:**

- ✦ **Climate Extremes:** Develop early warning systems and crop insurance for 50% of smallholders by 2030, mitigating risks from floods and droughts.
- ✦ **Political Instability:** Create decentralized food hubs to maintain supply chains during conflicts, targeting 100 hubs by 2030.
- ✦ **Digital Gaps:** Deploy low-tech solutions (e.g., radio-based training, SMS alerts) in underserved areas, reaching 1 million users by 2030.

*Accessible explanation:* Plan ahead for problems like extreme weather or wars by using warning systems and local food hubs.

**Alignment:** Supports SDG 13 and SDG 16 (Peace, Justice, and Strong Institutions).

## Knowledge Exchange

**Objective:** Facilitate learning across regions to share best practices and innovations.

**Strategies:**

- ✦ Establish South-South and North-South learning networks, targeting 100 cross-regional exchanges annually by 2027.
- ✦ Create platforms for sharing TEK and modern innovations, such as Kenya's iCow SMS model, adopted in 10 countries by 2028.
- ✦ Host regional workshops to disseminate case studies, engaging 10,000 stakeholders by 2026.

*Accessible explanation:* Help regions learn from each other by sharing ideas, like how Kenya's text alerts can help farmers elsewhere.

**Alignment:** Supports SDG 17 (Partnerships for the Goals).

## Regional Alliances for Shared Challenges:

**Objective:** Foster horizontal cooperation among regions facing similar challenges. These benefit from collaborative networks that pool resources and expertise.

**Strategies:**

- ✦ **Arid Region Alliance:** Unites 30+ countries across Sub-Saharan Africa, Middle East, and Central Asia to advance water conservation technologies and drought-resistant crop varieties, targeting \$500M in shared research funding by 2028.
- ✦ **Island Nations Coalition:** 36 Small Island Developing States (SIDS) collaborate on saltwater agriculture, floating farms, and climate migration planning, with shared early warning systems protecting 5M inhabitants by 2030.
- ✦ **Landlocked Countries Network:** 44 nations share solutions for supply chain resilience, regional trade agreements, and food security buffers, reducing import dependency by 25% through cooperative logistics by 2030.

- ✦ **Conflict-Affected States Group:** Coordinates mobile agricultural support, seed bank preservation, and refugee farmer integration across 15 conflict zones, safeguarding food production for 10M displaced people.
- ✦ **Urban Agriculture Consortium:** 50+ megacities exchange vertical farming techniques, rooftop gardens, and urban-rural linkages, feeding 20M additional urban residents by 2030.

*Example Success:* The West African Seed Alliance preserved 200 indigenous varieties through regional seed banks while the ASEAN Rice Reserve maintained food security for 8 million people during climate shocks.

*Accessible explanation:* Countries with similar problems join together to share solutions, like how drought-affected regions can help each other save water and protect crops.

## Example Persona

### Aisha, a smallholder in Mali:

- ✦ **Background:** Aisha farms millet in a drought-prone region, facing water scarcity and market access challenges.
- ✦ **Framework Support:** Uses SMS weather alerts and TEK-based millet farming to boost yields by 15%, supported by local food hubs during droughts.
- ✦ **Impact:** Aisha's increased income enables her children's education, and she joins a P2P platform to share her knowledge with other farmers.

*Accessible explanation:* Aisha's story shows how the framework helps real farmers with practical tools and community support.

**Alignment:** Supports SDG 2 and SDG 5 (Gender Equality).

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**Cross-Reference Note:** Regional customization builds on [Strategic Objectives](#) and is implemented through [Implementation Mechanisms](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Risk Management

## In this section:

- ✦ [Anticipated Challenges](#)
- ✦ [Risk Priority Matrix](#)
- ✦ [Mitigation Strategies](#)
- ✦ [Cost-Benefit Considerations](#)
- ✦ [Case Studies](#)
- ✦ [Visual](#)

The *Food Systems & Agriculture Framework* operates in a complex global environment, facing risks such as climate change, geopolitical tensions, and technological vulnerabilities. The Risk Management section identifies these challenges and provides proactive mitigation strategies to ensure the framework’s resilience and success. By addressing potential obstacles, stakeholders—farmers, indigenous communities, youth, policymakers, and private sectors—can implement the framework’s [Strategic Objectives](#) with confidence. Aligned with Sustainable Development Goals (SDGs) and the Food and Agriculture Organization’s (FAO) Voluntary Guidelines, this section strengthens the framework’s ability to deliver equitable and sustainable food systems by 2035.

## Anticipated Challenges

**Objective:** Identify potential risks that could hinder framework implementation.

### Key Risks:

- ✦ **Resistance from Agribusiness:** Large-scale agribusinesses may oppose transitions to regenerative practices due to short-term profit concerns.



- ✦ **Policy Misalignment:** Inconsistent national policies may fragment global efforts for sustainable food systems.
- ✦ **Geopolitical Tensions:** Trade disputes or conflicts could disrupt food supply chains and aid flows.
- ✦ **Supply Chain Disruptions:** Climate events (e.g., floods) or conflicts may interrupt food distribution.
- ✦ **Cyber Vulnerabilities:** Digital agriculture systems (e.g., artificial intelligence [AI], blockchain) face risks of hacking or data breaches.
- ✦ **Rapid Climate Changes:** Accelerated desertification or extreme weather could outpace adaptation efforts.
- ✦ **Tech Dependency:** Over-reliance on key nations or companies for technologies (e.g., AI, blockchain) may create vulnerabilities.
- ✦ **Surveillance/Data Misuse:** AI and blockchain systems could lead to privacy violations or data monopolies if not properly managed.

*Accessible explanation:* These are problems like big companies resisting change, wars disrupting food, or technology being hacked that could slow down the plan.

**Alignment:** Addresses SDG 13 (Climate Action) and SDG 16 (Peace, Justice, and Strong Institutions).

## Risk Priority Matrix

**Objective:** Prioritize risks for focused mitigation efforts.

### High Impact, High Likelihood:

- ✦ Climate change acceleration (priority mitigation)
- ✦ Supply chain disruptions
- ✦ Geopolitical tensions affecting trade

### High Impact, Low Likelihood:

- ✦ Cyber attacks on food systems

- ✦ Tech provider monopolization
- ✦ Pandemic-related disruptions

**Medium Impact, High Likelihood:**

- ✦ Agribusiness resistance
- ✦ Policy misalignment between nations
- ✦ Regional digital divides

**Low Impact, Variable Likelihood:**

- ✦ Temporary trade barriers
- ✦ Technology platform changes
- ✦ Minor regulatory adjustments

*Accessible explanation:* This shows which problems are most serious and likely, so we know what to fix first.

**Strategic Focus:** Prioritize resources for high-impact risks while maintaining adaptive capacity for all contingencies.

## Mitigation Strategies

**Objective:** Implement proactive measures to address risks and ensure resilience.

**Strategies:**

- ✦ **Build Coalitions for Agribusiness:** Offer tax breaks and co-investment models to align agribusiness incentives with sustainability, targeting 100 partnerships by 2028.
- ✦ **Engage in Policy Advocacy:** Facilitate policy harmonization workshops to align national policies, aiming for 50 countries adopting model legislation by 2028.
- ✦ **Establish Regional Trade Buffers:** Create regional trade networks to mitigate geopolitical risks, targeting 30% local sourcing by 2030.

- ✦ **Diversify Supply Chains:** Develop decentralized food hubs to reduce reliance on global supply chains, with 100 hubs operational by 2030.
- ✦ **Implement Cybersecurity Protocols:** Enforce data privacy frameworks and annual audits for digital platforms (e.g., AI, blockchain) to prevent breaches and misuse.
- ✦ **Develop Contingency Plans for Climate:** Create emergency seed banks and mobile farming units to address rapid climate shifts, targeting 1,000 units by 2030.
- ✦ **Mitigate Tech Dependency:** Prioritize open-source technologies and establish 10 regional tech hubs by 2030 to reduce reliance on single providers.
- ✦ **Pilot Scalable Projects:** Launch 50 pilot projects by 2027 to test solutions (e.g., drought-resistant crops, community gardens) and demonstrate viability to stakeholders.

*Accessible explanation:* Take steps like working with companies, protecting technology, and testing solutions to keep the plan strong against problems.

**Alignment:** Supports SDG 2 (Zero Hunger), SDG 15 (Life on Land), and the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP).

## Cost-Benefit Considerations

**Objective:** Evaluate the financial implications of risk mitigation versus inaction.

### Investment vs. Impact Analysis:

- ✦ **Climate adaptation:** \$10B investment prevents \$100B in agricultural losses by 2035
- ✦ **Cyber security:** \$500M annual spending protects \$50B food system integrity
- ✦ **Regional hubs:** \$2B creates \$20B in resilient local economies

- ♦ **Policy alignment:** \$100M coordination prevents \$10B in trade barrier losses

*Key Insight:* Every \$1 invested in prevention saves \$10-15 in crisis response.

*Accessible explanation:* Spending money now to prevent problems is much cheaper than fixing them later.

## Case Studies

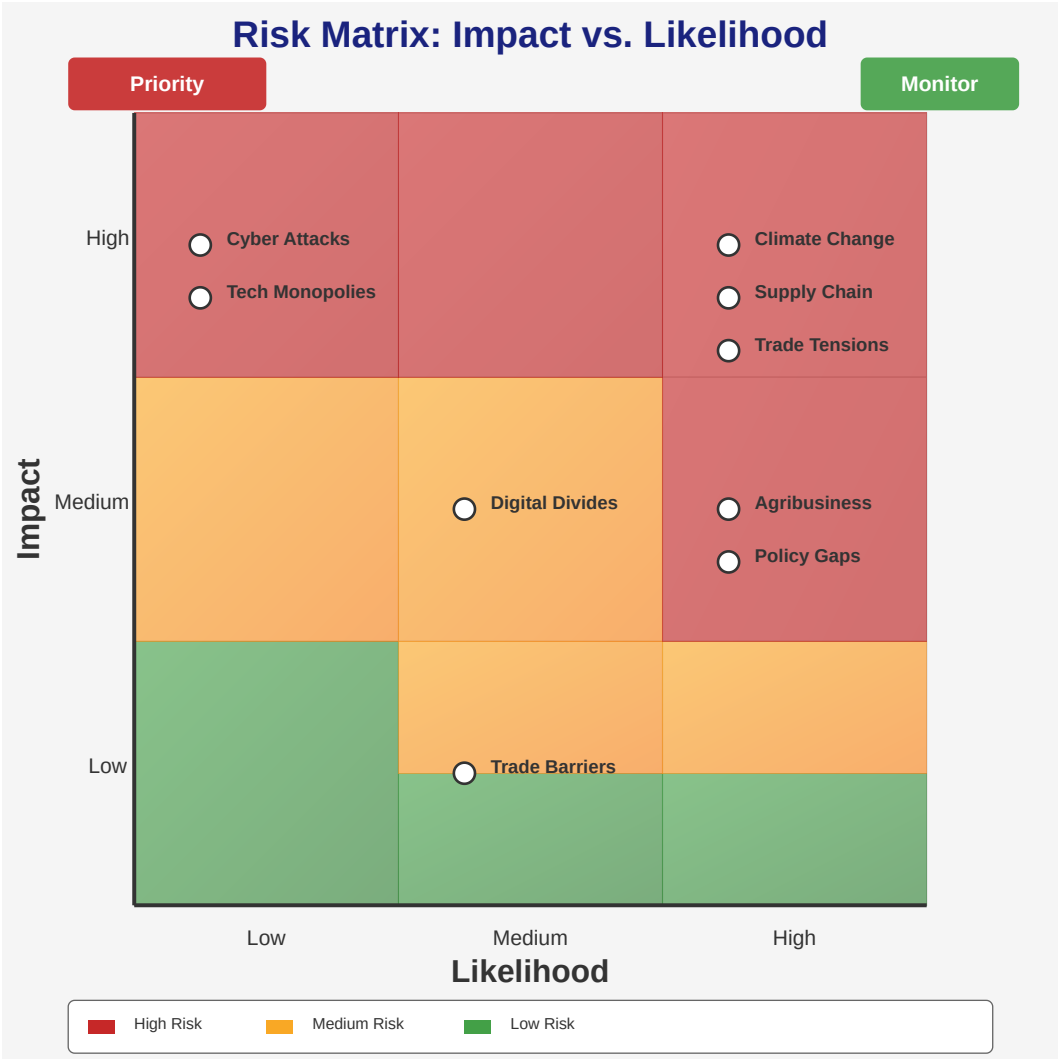
### Successful Risk Mitigation Examples:

- ♦ **Kenya's Kilimo Salama:** Insured 185,000 farmers against climate risks, a model for scaling crop insurance to mitigate climate and supply chain disruptions.
- ♦ **India's Digital Agriculture Resilience:** IFFCO's drone delivery system maintained fertilizer supply to 1M farmers during COVID-19 lockdowns, demonstrating tech resilience.
- ♦ **Rwanda's Seed Security:** National seed reserve system protected 500,000 farmers from crop failure during 2022 drought, showing emergency preparedness effectiveness.
- ♦ **Colombia's Conflict Zones:** Mobile agricultural schools helped 50,000 displaced farmers maintain production, proving adaptability in geopolitical crises.

*Accessible explanation:* Real stories from different countries show how planning ahead helps farmers keep growing food during tough times.

## Visual

- ♦ *Risk Matrix Diagram:* Impact vs. likelihood visualization



✦ *Mitigation Timeline*: Prioritized implementation schedule



**Placeholder:** Future iterations will include:

- ✦ *Global Risk Heatmap*: Highlighting regional risk concentrations
- ✦ *Interconnected Risk Networks*: Showing how risks cascade and interact

**Cross-Reference Note:** Risk management supports [Implementation Mechanisms](#) and aligns with [Regional Customization](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Timeline and Milestones

## In this section:

- ✦ [Overview](#)
- ✦ [Year 1 \(2025\)](#)
- ✦ [Year 2 \(2026\)](#)
- ✦ [Year 3 \(2027\)](#)
- ✦ [Year 4 \(2028\)](#)
- ✦ [Year 5 \(2029\)](#)

The *Food Systems & Agriculture Framework* outlines a five-year timeline (2025–2029) to initiate and scale its transformative vision for resilient, equitable, and sustainable global food systems. This section details key milestones for each year, providing a clear roadmap for stakeholders—farmers, indigenous communities, youth, policymakers, and private sectors—to track progress and ensure accountability. Aligned with Sustainable Development Goals (SDGs), the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), and the Food and Agriculture Organization’s (FAO) Voluntary Guidelines, the timeline supports the framework’s [Strategic Objectives](#) and [Implementation Mechanisms](#).

 Framework Implementation Timeline

## Overview

The timeline spans five years, with annual milestones building toward the framework’s 2035 vision of reducing global hunger by 50%, achieving 30% regenerative farmland, and empowering 5 million farmers. Each year includes specific, measurable goals, from

stakeholder engagement to policy reforms, supported by regular evaluations to refine strategies. This phased approach ensures steady progress while adapting to regional and global challenges.

*Accessible explanation:* A five-year plan with yearly goals to make food systems fairer and greener, with steps to check progress.

## Year 1 (2025)

**Focus:** Lay the foundation for framework adoption and initial implementation.

**Milestones:**

- ✦ Complete stakeholder mapping and establish a diverse steering committee with 50% representation from marginalized groups (Q1).
- ✦ Adopt the framework at the [globalgovernanceframework.org](https://globalgovernanceframework.org) summit, securing commitments from 50 countries (Q2).
- ✦ Launch 10 pilot projects in 5 regions (e.g., Sub-Saharan Africa, South Asia) to test regenerative practices and TEK integration (Q3).
- ✦ Develop initial regional dashboards and data platforms for real-time Key Performance Indicator (KPI) tracking (Q3).
- ✦ Train 50,000 farmers and 1,000 policymakers in regenerative agriculture and Traditional Ecological Knowledge (TEK) (Q4).
- ✦ Publish the first annual evaluation report to assess progress and refine strategies (Q4).

*Accessible explanation:* Start by setting up teams, launching small projects, and training people to get the plan going.

**Alignment:** Supports SDG 17 (Partnerships for the Goals).

## Year 2 (2026)

**Focus:** Begin policy harmonization and scale pilot projects.

## Milestones:

- ✦ Initiate policy harmonization workshops, engaging 30 countries to align with FAO Voluntary Guidelines and UNDRIP (Q1–Q4).
- ✦ Scale pilot projects from 10 to 50 across 10 regions, incorporating lessons from Year 1 evaluations (Q3).
- ✦ Establish 5 regional tech hubs to support open-source technology development (Q3).
- ✦ Train an additional 100,000 farmers in sustainable practices, with a focus on women and youth (Q4).
- ✦ Publish the second annual evaluation report, highlighting scalability and regional impacts (Q4).

*Accessible explanation:* Grow projects, start fixing rules in countries, and train more farmers to keep the plan moving.

**Alignment:** Supports SDG 2 (Zero Hunger) and SDG 15 (Life on Land).

## Year 3 (2027)

**Focus:** Mobilize funding and conduct mid-term evaluation.

## Milestones:

- ✦ Mobilize \$10 billion of the \$50 billion global fund through multilateral donors and public-private partnerships (Q1–Q2).
- ✦ Achieve 25% progress toward the 50% hunger reduction target, reaching 125 million people with improved food access (Q3).
- ✦ Train 500,000 farmers and 5,000 policymakers, with 50% of sessions incorporating TEK (Q4).
- ✦ Conduct a mid-term evaluation to assess progress, refine strategies, and identify scaling opportunities (Q4).
- ✦ Launch 100 cross-regional knowledge exchange workshops to share best practices (Q4).

*Accessible explanation:* Raise money, help more people get food, train more farmers, and check how the plan is doing.



**Alignment:** Supports SDG 2 and SDG 13 (Climate Action).

## Year 4 (2028)

**Focus:** Accelerate subsidy redirection and expand training.

**Milestones:**

- ✦ Redirect 20% of global agricultural subsidies to regenerative practices, engaging 50 countries (Q1–Q4).
- ✦ Train an additional 500,000 farmers, reaching a cumulative 1 million trained, with 100,000 youth and women-led initiatives supported (Q4).
- ✦ Scale 50 pilot projects to regional programs, covering 15% of global farmland under regenerative practices (Q4).
- ✦ Publish the third annual evaluation report, focusing on subsidy impacts and training outcomes (Q4).
- ✦ Establish 10 additional regional tech hubs to reduce tech dependency (Q4).

*Accessible explanation:* Shift money to eco-friendly farming, train a million farmers, and grow projects bigger.

**Alignment:** Supports SDG 15 and SDG 5 (Gender Equality).

## Year 5 (2029)

**Focus:** Achieve full implementation and refine the framework.

**Milestones:**

- ✦ Achieve full implementation of the framework's initial phase, with 50 countries fully aligned with policy and financing goals (Q1–Q4).
- ✦ Publish a global progress report, evaluating impacts on hunger, farmland, and equity, and outlining refinements for 2030–2035 (Q3).

- ✦ Train an additional 1 million farmers, reaching 2 million total, with 500 community-owned peer-to-peer (P2P) platforms operational (Q4).
- ✦ Expand fair trade certification to 25% of global agricultural exports (Q4).
- ✦ Conduct a comprehensive framework review to set the stage for the next phase toward 2035 goals (Q4).

*Accessible explanation:* Finish the first big phase, review progress, train more farmers, and plan for the future.

**Alignment:** Supports SDG 2, SDG 10 (Reduced Inequalities), and UNDRIP.

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**Cross-Reference Note:** The timeline supports [Implementation Mechanisms](#) and aligns with [Risk Management](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Communication and Advocacy

## In this section:

- ✦ [Outreach Plan](#)
- ✦ [Advocacy Goals](#)
- ✦ [Storytelling](#)
- ✦ [Digital Accessibility](#)
- ✦ [Crisis Communication](#)

The *Food Systems & Agriculture Framework* leverages communication and advocacy to inspire global action, amplify its vision, and mobilize stakeholders—farmers, indigenous communities, youth, policymakers, and private sectors. By sharing compelling narratives, using multilingual platforms, and targeting key global forums, this section ensures the framework’s goals of resilient, equitable, and sustainable food systems resonate widely. Aligned with Sustainable Development Goals (SDGs), the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), and the Food and Agriculture Organization’s (FAO) Voluntary Guidelines, these strategies foster engagement and drive adoption, building momentum toward 2035.

## Outreach Plan

**Objective:** Increase visibility and engagement through diverse communication channels.

### Strategies:

- ✦ Leverage the [globalgovernanceframework.org](http://globalgovernanceframework.org) platform to host framework materials, case studies, and interactive tools, targeting 1 million online engagements by 2027.

- ✦ Use social media campaigns, policy briefs, and webinars to reach diverse audiences, including farmers, youth, and policymakers, in multiple languages (e.g., English, Spanish, Swahili).
- ✦ Develop podcast channels to share stories of sustainable farming, aiming for 500,000 listeners by 2028.
- ✦ *Stretch Goal:* Create visual storytelling formats, such as comics depicting farmers' journeys, data-poems on biodiversity gains, and infographics on hunger reduction, targeting 100,000 views by 2029.

**Example:**

- ✦ A social media campaign featuring short videos of indigenous farmers using Traditional Ecological Knowledge (TEK) to restore soil health, shared in 10 languages to reach global audiences.

*Accessible explanation:* Share the plan through websites, social media, podcasts, and visuals to get people excited and involved.

**Alignment:** Supports SDG 17 (Partnerships for the Goals).

## Advocacy Goals

**Objective:** Influence global and national agendas to secure framework adoption.

**Strategies:**

- ✦ Influence key forums, including the UN Food Systems Summit, Conference of the Parties (COP), Convention on Biological Diversity (CBD), and UN Right to Food agendas, by presenting framework outcomes at 5 major events annually.
- ✦ Mobilize 10,000 grassroots supporters (e.g., farmers' associations, youth movements) to advocate for framework adoption by 2026 through regional workshops and online petitions.
- ✦ Partner with organizations like Fairtrade International and the World Food Programme (WFP) to advocate for policy reforms, such as subsidy redirection and fair trade certification.

**Feedback Mechanism:** Establish annual stakeholder surveys and social listening tools to track public reception (targeting 5,000 responses by 2027) and refine advocacy messages based on sentiment analysis and engagement metrics.

**Example:**

- ✦ A youth-led petition at the UN Food Systems Summit calling for 40% of agricultural subsidies to support regenerative practices, gaining 5,000 signatures by 2026.

*Accessible explanation:* Push for the plan at big global meetings and get thousands of people to support it with petitions and partnerships.

**Alignment:** Supports SDG 2 (Zero Hunger) and SDG 13 (Climate Action).

## Storytelling

**Objective:** Use narratives to humanize the framework and inspire action.

**Strategies:**

- ✦ Develop campaigns highlighting local “food heroes” (e.g., farmers, indigenous leaders, youth innovators) and cultural food practices, shared via multimedia platforms.
- ✦ Create multilingual storytelling platforms to showcase success stories, such as Aisha’s journey in Mali, reaching 500,000 people by 2028.
- ✦ Integrate qualitative Key Performance Indicators (KPIs), like stakeholder trust, into narratives to demonstrate impact beyond numbers.

**Example Quote:**

- ✦ “With TEK and SMS alerts, I saved my millet crop from drought,” says Aisha, a Malian farmer, featured in a campaign brief to highlight the framework’s impact.

### Case Example:

- ✦ A comic series depicting a Peruvian farmer preserving potato varieties in the Potato Park, shared in schools to educate youth on biodiversity.

*Accessible explanation:* Share real stories of farmers and communities to show how the plan works and inspire others to join.

**Alignment:** Supports SDG 4 (Quality Education) and UNDRIP.

## Digital Accessibility

**Objective:** Ensure inclusive access to communication materials across all contexts.

### Strategies:

- ✦ Develop offline content packages for low-bandwidth areas, including compressed video files, text-only versions, and downloadable mobile apps that sync when internet is available.
- ✦ Create audio broadcasts in local languages for regions with limited literacy, targeting 20 radio stations by 2027.
- ✦ Implement Progressive Web App technology for the [globalgovernanceframework.org](http://globalgovernanceframework.org) platform, ensuring functionality even with spotty connections.
- ✦ Use visual communication (icons, infographics) to transcend language barriers, with screen reader compatibility for visually impaired users.

*Accessible explanation:* Make sure everyone can access information, even in places with limited internet or language differences.

**Alignment:** Supports SDG 10 (Reduced Inequalities).

## Crisis Communication

**Objective:** Maintain framework communication during emergencies and conflicts.

## Strategies:

- ✦ Establish a crisis communication protocol with alternative platforms (e.g., SMS networks, satellite phones) for areas affected by conflict or natural disasters.
- ✦ Create emergency information kits covering food security measures, adapted for distribution by NGOs and UN agencies in crisis zones.
- ✦ Develop “Framework Continuity Guides” for local champions to maintain community engagement when external communication is disrupted.
- ✦ Partner with humanitarian organizations to ensure framework messaging aligns with emergency food response efforts.

## Example:

- ✦ In conflict zones, local radio broadcasts continue sharing regenerative farming techniques using solar-powered equipment provided through humanitarian channels.

*Accessible explanation:* Keep sharing important information even during wars or disasters, using backup communication methods.

**Alignment:** Supports SDG 16 (Peace, Justice, and Strong Institutions).

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**Cross-Reference Note:** Communication and advocacy amplify [Stakeholder Engagement](#) and support [Timeline and Milestones](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

# Food Systems & Agriculture Framework: Visual Appendix (Planned)

## In this section:

- ✦ [Overview](#)
- ✦ [Sample Dashboard Mockup](#)
- ✦ [Leverage Point Diagram Sketch](#)
- ✦ [Global Risk Heatmap](#)
- ✦ [Stakeholder Interaction Diagram](#)
- ✦ [Summary Table](#)

The *Food Systems & Agriculture Framework* envisions a suite of visual tools to enhance accessibility, engagement, and clarity for stakeholders—farmers, indigenous communities, youth, policymakers, and private sectors. This Visual Appendix outlines planned components, including dashboards, diagrams, and tables, to be developed in future iterations. These visuals will support the framework’s [Communication and Advocacy](#) efforts, align with Sustainable Development Goals (SDGs), and ensure the framework’s goals of resilient, equitable, and sustainable food systems are easily understood and actionable across diverse contexts.

## Overview

The planned visual components are designed to:

- ✦ Simplify complex concepts like systemic leverage points and stakeholder roles.
- ✦ Provide real-time insights through interactive dashboards tracking Key Performance Indicators (KPIs).



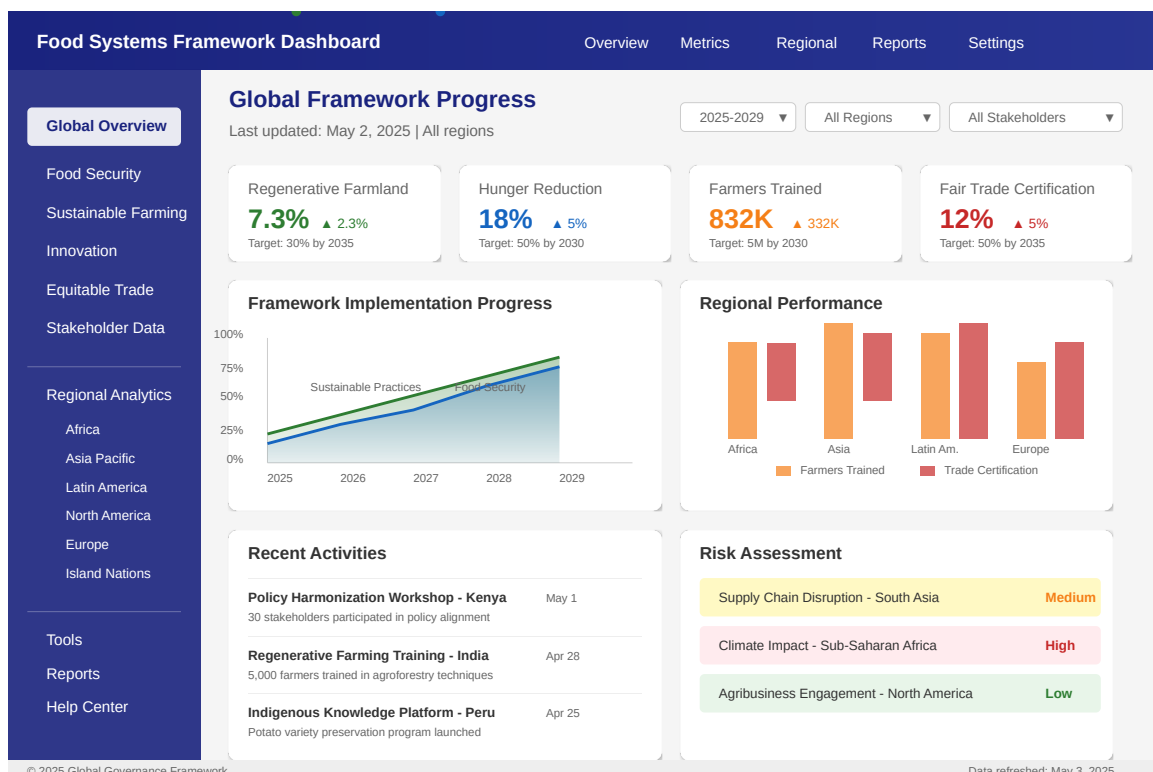
- ✦ Enhance advocacy with compelling visuals like heatmaps and infographics.
- ✦ Ensure accessibility for diverse audiences, including non-technical stakeholders and marginalized groups (e.g., indigenous communities, youth).

Each visual is described as a placeholder, with details on its purpose, structure, and intended impact, to be developed in collaboration with data visualization experts and regional stakeholders.

*Accessible explanation:* Future pictures, charts, and maps will make the plan easier to understand and use for everyone.

**Alignment:** Supports SDG 17 (Partnerships for the Goals) and the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP).

## Sample Dashboard Mockup



**Description:** A web-based interface displaying real-time KPIs to track framework progress across regions.

**Details:**

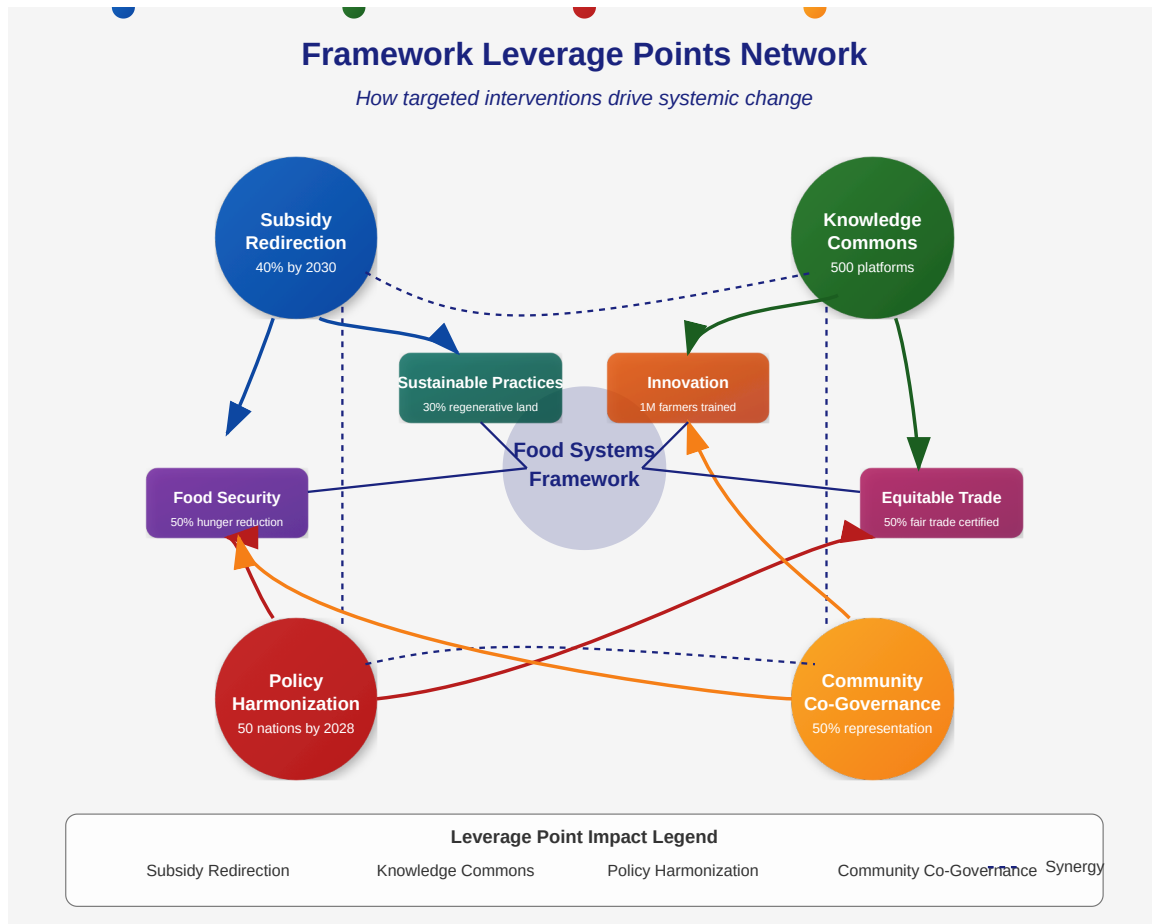
- ♦ **Content:** Metrics include percentage of regenerative farmland (target: 30% by 2035), hunger reduction (50% by 2030), and carbon sequestration (1 gigatonne of carbon dioxide equivalent [GtCO<sub>2</sub>e] annually by 2035). Qualitative KPIs, like stakeholder trust (80% satisfaction by 2029), are shown via survey-based gauges.
- ♦ **Features:** Filters for regions (e.g., Sub-Saharan Africa, South Asia) and metrics (e.g., food security, biodiversity). Interactive charts show trends over time.
- ♦ **Purpose:** Enable stakeholders to monitor progress, identify gaps, and make data-driven decisions.
- ♦ **Accessibility:** Multilingual interface with plain-language tooltips and compatibility with screen readers.

**Example Use:** A policymaker in Latin America uses the dashboard to track agroforestry adoption in Brazil, adjusting funding priorities based on real-time data.

*Accessible explanation:* An online tool showing how the plan is doing, like how much farmland is greener, with easy filters for different places.

**Alignment:** Supports [Monitoring and Evaluation](#).

## Leverage Point Diagram Sketch



**Description:** A network diagram illustrating systemic leverage points and their influence on strategic objectives.

#### Details:

- ✦ **Content:** Nodes represent leverage points (subsidy redirection, knowledge commons, policy harmonization, community co-governance) connected by arrows to objectives (e.g., food security, sustainable practices).
- ✦ **Features:** Color-coded nodes highlight priority areas, with interactive hover effects explaining each leverage point's impact (e.g., subsidy redirection scales regenerative farmland).
- ✦ **Purpose:** Clarify how targeted interventions drive systemic change, aiding systems thinking for stakeholders.
- ✦ **Accessibility:** Simple design with high-contrast colors and text descriptions for accessibility.

**Example Use:** A farmer cooperative in India visualizes how knowledge commons (e.g., peer-to-peer [P2P] platforms) boost sustainable practices, inspiring local adoption.

*Accessible explanation:* A chart showing how key actions, like sharing knowledge, lead to big changes in food systems.

**Alignment:** Supports [Systemic Leverage Points](#).

## Global Risk Heatmap

**Description:** A heatmap highlighting key risks across regions to prioritize mitigation efforts.

### Details:

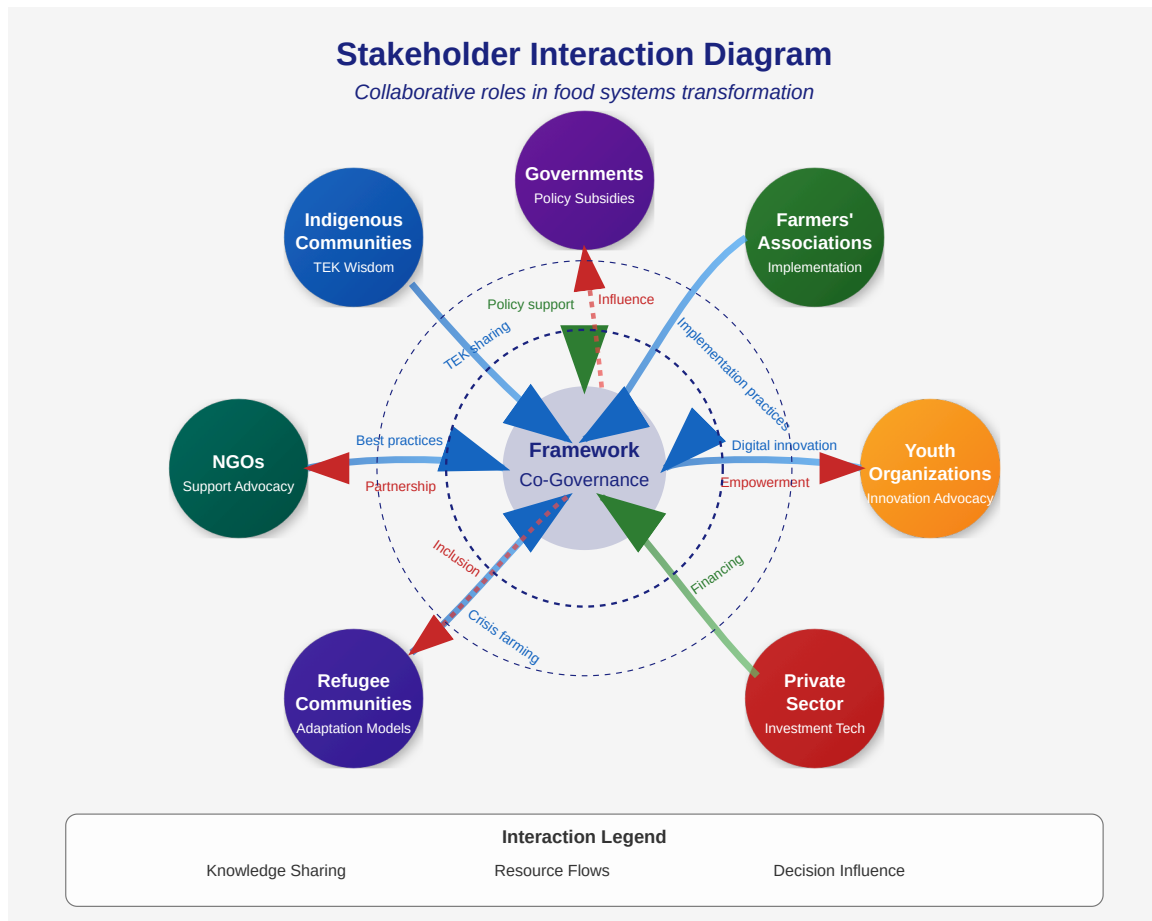
- ✦ **Content:** Risks include climate change, geopolitical tensions, and tech dependency, mapped by severity and likelihood across regions (e.g., Sub-Saharan Africa, island nations).
- ✦ **Features:** Color gradients (e.g., red for high risk, green for low) with clickable regions linking to mitigation strategies (e.g., decentralized food hubs).
- ✦ **Purpose:** Guide stakeholders in addressing high-priority risks, fostering cross-framework synergy.
- ✦ **Accessibility:** Alt-text descriptions and audio narration for visually impaired users.

**Example Use:** A non-governmental organization (NGO) in the Maldives uses the heatmap to prioritize saltwater-tolerant crop development due to high sea-level rise risks.

*Accessible explanation:* A map showing where problems like floods or conflicts are biggest, helping focus solutions.

**Alignment:** Supports [Risk Management](#).

## Stakeholder Interaction Diagram



**Description:** A diagram illustrating roles and interactions among stakeholders to enhance collaboration.

#### Details:

- ✦ **Content:** Nodes represent key actors (e.g., farmers, indigenous communities, governments, youth) with arrows showing flows of knowledge, resources, and decision-making.
- ✦ **Features:** Interactive elements highlight specific interactions (e.g., youth-led advocacy influencing policy). Annotations explain co-governance roles.
- ✦ **Purpose:** Visualize stakeholder dynamics to strengthen inclusive engagement and trust.
- ✦ **Accessibility:** High-contrast design with plain-language labels and scalable vector graphics (SVG) for zoom functionality.

**Example Use:** An indigenous leader in Peru uses the diagram to understand how their TEK contributions shape global policy decisions.

*Accessible explanation:* A picture showing how farmers, governments, and others work together, like a teamwork map.

**Alignment:** Supports [Stakeholder Engagement](#).

Summary Table

Food Systems & Agriculture  
Framework Summary Table

Strategic Objective	Key Performance Indicators	Timeline Milestones
Enhance Food Security	<ul style="list-style-type: none"><li>• 50% hunger reduction by 2030</li><li>• 20% import dependency reduction</li><li>• Community-led food hubs</li></ul>	<ul style="list-style-type: none"><li>• 2025: 10 pilot projects</li><li>• 2027: 25% progress (125M people)</li><li>• 2029: Regional food systems</li></ul>
Promote Sustainable Practices	<ul style="list-style-type: none"><li>• 30% regenerative farmland by 2035</li><li>• 25% irrigation waste reduction</li><li>• 1,000 crop varieties preserved</li><li>• 1 GtCO2e sequestration annually</li></ul>	<ul style="list-style-type: none"><li>• 2025: 5% regenerative farmland</li><li>• 2028: 15% regenerative farmland</li><li>• 2029: 20% biodiversity improvement</li></ul>
Foster Innovation	<ul style="list-style-type: none"><li>• 100 AI-driven projects by 2030</li><li>• 25% blockchain trade tracking</li><li>• 1M farmers in low-connectivity areas</li><li>• 500 community P2P platforms</li></ul>	<ul style="list-style-type: none"><li>• 2026: 5 regional tech hubs</li><li>• 2028: 10 more regional tech hubs</li><li>• 2029: 500 knowledge platforms</li></ul>

Strategic Objective	Key Performance Indicators	Timeline Milestones
Ensure Equitable Trade	<ul style="list-style-type: none"><li>• 15% trade barrier reduction by 2030</li><li>• 50% fair trade certification by 2035</li><li>• Regional trade buffers</li></ul>	<ul style="list-style-type: none"><li>• 2026: Model legislation in 30 countries</li><li>• 2028: 20% subsidy redirection</li><li>• 2029: 25% fair trade certification</li></ul>

## Governance & Implementation

Component	Key Elements	Status
Stakeholder Engagement	<ul style="list-style-type: none"><li>• 50% representation from marginalized groups</li><li>• 10,000 grassroots supporters by 2026</li><li>• 75% consensus requirement</li></ul>	<ul style="list-style-type: none"><li>• 2025: Steering committee established</li><li>• 2026: 20 mediation panels operational</li></ul>
Monitoring & Evaluation	<ul style="list-style-type: none"><li>• Annual evaluations</li><li>• Real-time dashboards</li><li>• Mid-term review in 2027</li></ul>	<ul style="list-style-type: none"><li>• 2025: Initial regional dashboards</li><li>• 2029: Comprehensive framework review</li></ul>
Capacity Building	<ul style="list-style-type: none"><li>• 5M farmers trained by 2030</li><li>• 10,000 policymakers trained</li><li>• 1,000 youth initiatives annually</li></ul>	<ul style="list-style-type: none"><li>• 2025: 50,000 farmers trained</li><li>• 2028: 1M farmers trained</li><li>• 2029: 2M farmers trained</li></ul>

Component	Key Elements	Status
Financing	<ul style="list-style-type: none"><li>• \$50B global fund by 2035</li><li>• Public-private partnerships</li><li>• Carbon markets</li></ul>	<ul style="list-style-type: none"><li>• 2027: \$10B mobilized</li><li>• 2028: 20% subsidies redirected</li></ul>

**Description:** A concise table summarizing the framework’s objectives, KPIs, and timelines for quick reference.

**Details:**

- ♦ **Content:** Columns include objectives (e.g., enhance food security), key KPIs (e.g., 50% hunger reduction by 2030), and milestones (e.g., 2025: launch 10 pilots). Rows cover each strategic objective.
- ♦ **Features:** Collapsible rows for detailed metrics and links to relevant sections (e.g., [Strategic Objectives](#)).
- ♦ **Purpose:** Provide a high-level overview for busy stakeholders, such as policymakers or funders.
- ♦ **Accessibility:** Plain-language summaries and compatibility with assistive technologies.

**Example Use:** A donor reviewing the framework uses the table to quickly assess progress toward fair trade certification (50% by 2035).

*Accessible explanation:* A simple chart listing the plan’s goals, progress measures, and deadlines for easy understanding.

**Alignment:** Supports [Timeline and Milestones](#).

**Cross-Reference Note:** The visual appendix enhances [Communication and Advocacy](#) and supports [Implementation Mechanisms](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).



# Food Systems & Agriculture Framework: Conclusion

## In this section:

- ✦ [Vision](#)
- ✦ [Call to Action](#)

The *Food Systems & Agriculture Framework* presents a bold blueprint for transforming global food systems into resilient, equitable, and sustainable ecosystems that nourish people and the planet. By integrating regenerative agriculture, Traditional Ecological Knowledge (TEK), and innovative technologies, it addresses pressing challenges—hunger, climate change, and inequity—while fostering collaboration among farmers, indigenous communities, youth, policymakers, and private sectors. Aligned with Sustainable Development Goals (SDGs), the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), and the Food and Agriculture Organization’s (FAO) Voluntary Guidelines, this conclusion reaffirms the framework’s vision and invites stakeholders to join in building a thriving future by 2035.

## Vision

The framework envisions a world where food systems are:

- ✦ **Resilient:** Capable of withstanding climate, economic, and geopolitical shocks through decentralized hubs and adaptive practices.
- ✦ **Equitable:** Providing fair access to resources, markets, and benefits, with indigenous co-governance and youth leadership at the core.
- ✦ **Sustainable:** Restoring ecosystems, preserving biodiversity, and mitigating climate change through regenerative agriculture and agroecology.

By 2035, the framework aims to reduce global hunger by 50%, achieve 30% regenerative farmland, and empower 5 million farmers, creating a food system that honors cultural diversity, protects the environment, and ensures food security for future generations.

*Accessible explanation:* A future where everyone has enough food, farming helps nature, and all people, especially those often left out, share in the benefits.

**Alignment:** Supports SDG 2 (Zero Hunger), SDG 13 (Climate Action), SDG 15 (Life on Land), and UNDRIP.

## Call to Action

The framework's success depends on collective action. Stakeholders are invited to:

- ✦ **Implement:** Launch pilot projects using the [Start with the Seed Kit](#) and explore regional case studies in [Regional Customization](#).
- ✦ **Advocate:** Amplify the framework's goals through campaigns, webinars, and global forums, as outlined in [Communication and Advocacy](#).
- ✦ **Collaborate:** Join multi-stakeholder dialogues and co-governance structures, prioritizing indigenous and youth voices, as detailed in [Stakeholder Engagement](#).
- ✦ **Monitor:** Use planned dashboards and KPIs from the [Visual Appendix](#) to track progress and refine strategies.
- ✦ **Engage:** Share feedback via the [globalgovernanceframework.org](https://globalgovernanceframework.org) contact portal or email [[globalgovernanceframework@gmail.com](mailto:globalgovernanceframework@gmail.com)] to shape future iterations.

**Iterative Evolution:** This framework is designed as a living document that will evolve through regular review cycles. Stakeholder feedback will directly inform annual refinements (2025-2029) and the comprehensive review in 2029. Your experiences, challenges, and successes implementing the framework will shape its next iteration,

ensuring it remains relevant, effective, and responsive to emerging global challenges and opportunities.

*Accessible explanation:* This plan will grow and improve over time based on what we all learn while using it, with regular updates to make it better.

Together, we can cultivate a food system that heals the planet and unites communities. Start today by accessing tools at the [Tools Library](#) or adopting the framework at local, national, or global levels.

*Accessible explanation:* Everyone—farmers, leaders, youth—can help by starting projects, sharing the plan, working together, and giving feedback to make food systems better.

**Alignment:** Supports SDG 17 (Partnerships for the Goals).

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**Cross-Reference Note:** The conclusion ties together the framework’s [Theory of Change](#), [Strategic Objectives](#), and [Timeline and Milestones](#). Explore the [Index](#) for navigation or access tools at the [Tools Library](#).

## Global Governance Framework

Developing interoperable systems and operating models for global governance that respect local autonomy.

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