

A Phased ESG Framework for Sustainable Food Supply Chain Management

Research Overview



Research Background

Food is essential for nutrition, upkeep and good health.



Research Problem

Inefficient food distribution causes waste, harming governance and environment.



Proposed Solution

Leveraging Environmental (E), Social (S), and Governance (G) disclosures boosts outcomes, and accountability and reduces wastage.

Approach

1

Identify and prioritize key ESG interrelations using standardized data, regression analysis, and cause-effect mapping.

2

Analyse environmental and governance impacts, using Life Cycle Assessment and Agent-Based Modeling to guide waste reduction and governance improvements.

3

Develop a resilient, ESG-focused business model with real-time monitoring, eco-friendly decisions, and continuous improvements.

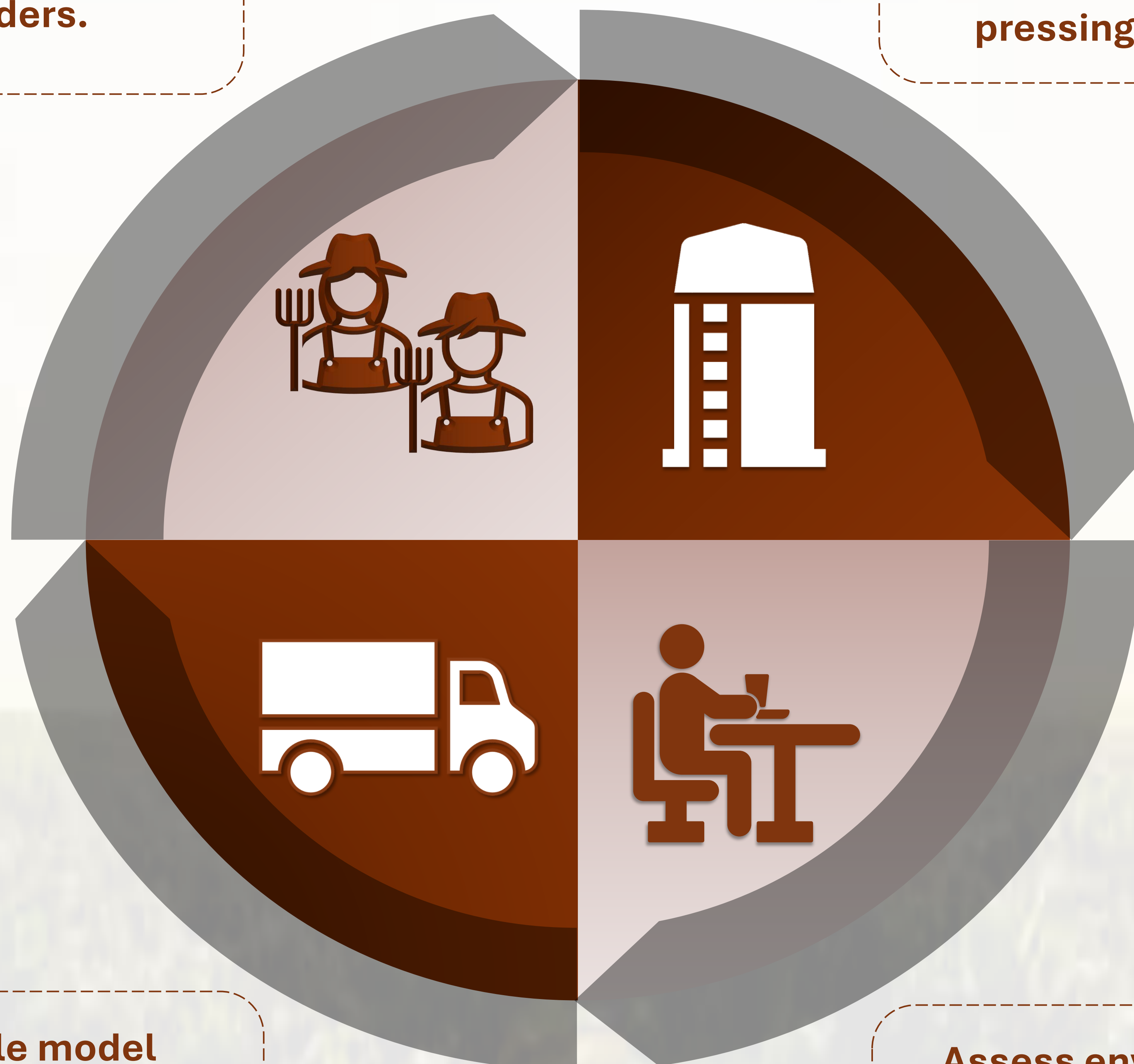
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A sustainable, transparent business model strengthens leadership, stakeholder trust, resource efficiency, data-driven decisions, and adaptability.

Call To Action For Stakeholders in the Food Supply Chain

Sustainable leadership aligns food supply chain stakeholders.

Standardized data and prioritization of high-impact areas, to identify the most pressing ESG issues



Sustainable model promotes resource efficiency and circular economy.

Assess environmental, governance impact; promote sustainable, low-impact practices.

Phased approach offering a structured timeline, ensuring each agent has a clear role in fostering a sustainable, health-promoting food supply chain, advancing both climate goals and social wellbeing across and beyond the industry.

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