

Institutional Building Blocks for Financing Supply-Chain Decarbonization

**TERI Expert Group
on
Financing LT-LEDS
supported by Bloomberg Philanthropies**

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Call to Action #1

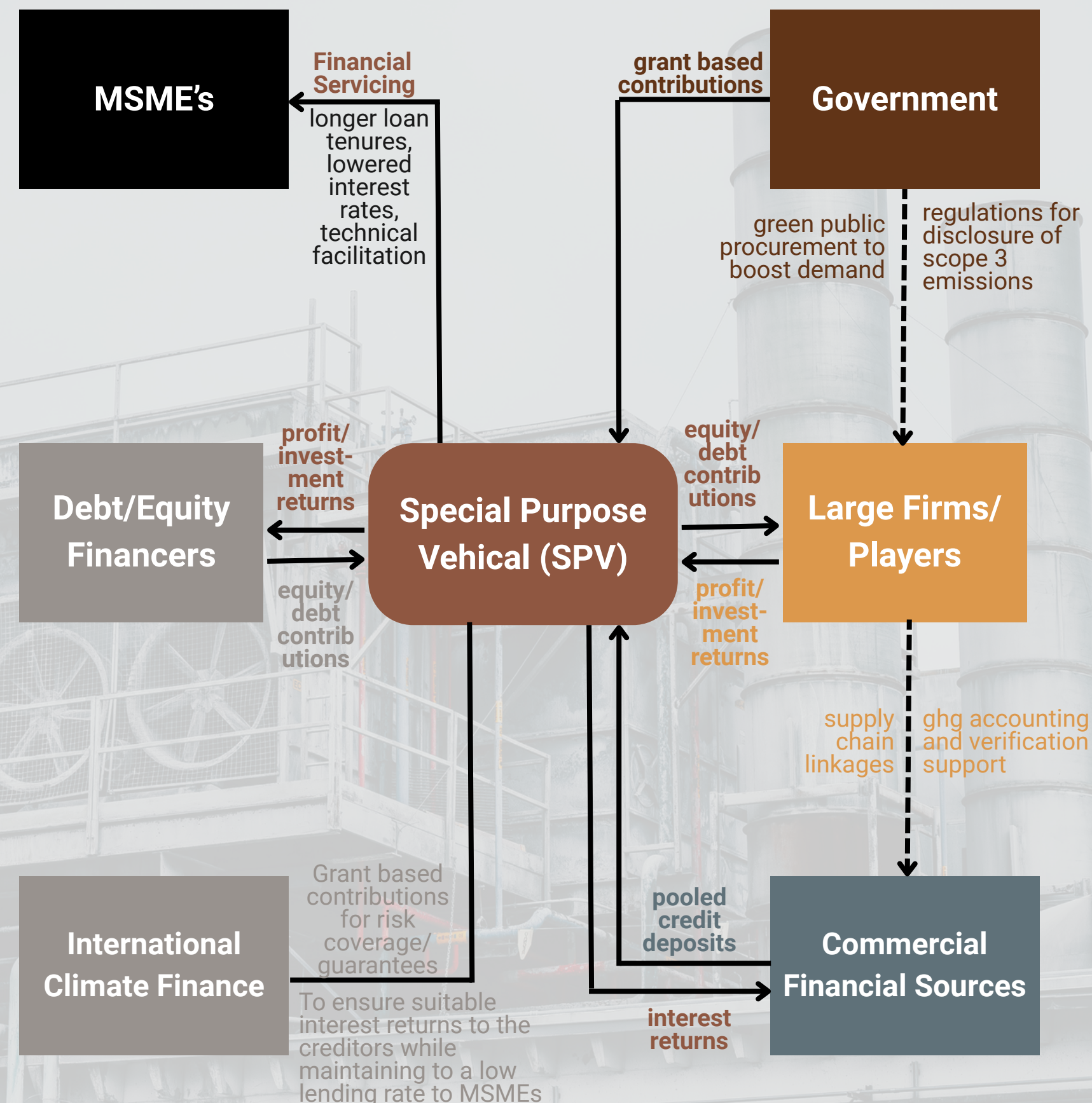
Call to Action #2

Call to Action #4

Call to Action #3



Call to Action #1: Establish a Joint Venture SPV to Finance MSME Greening



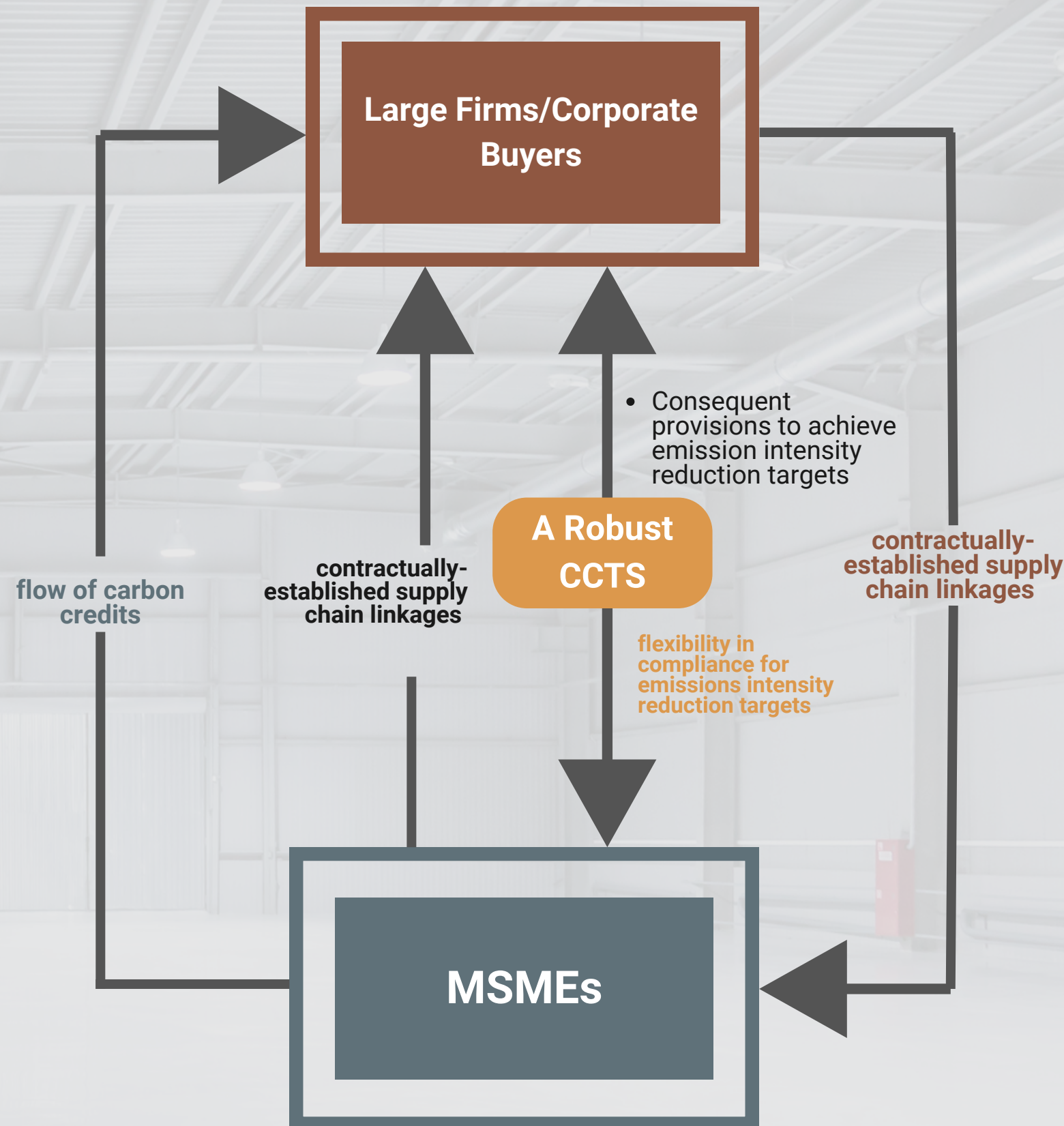
Recommendations

- 1. Establish a Joint Venture SPV** - Create a Special Purpose Vehicle (SPV) with participation from the government, large firms/players, and commercial finance sources to pool credit deposits and extend affordable, long-tenure supply-chain financing for MSMEs.
- 2. Mobilize Debt/Equity Financing** – Encourage large firms and debt/equity financiers to invest in the SPV, leveraging regulatory pressures (e.g., Scope 3 emissions disclosure) and long-term supply chain decarbonization goals.
- 3. Leverage Government & International Climate Finance** – Grant-based support from the Government, and international climate finance as a guarantee to attract diverse funding and reduce lending risks for MSMEs.
- 4. Offer Flexible Financing Solutions** – The SPV should introduce buyer-side financing (e.g., reverse factoring) and supplier-side financing (e.g., invoice financing) to improve working capital access for MSMEs, reducing transaction costs.

Key Barriers to Address

- 1. Creditworthiness-related issues** – MSMEs face limited access to green financing due to perceived high credit risks by traditional lenders.
- 2. High transaction costs** – Smaller loan sizes and due diligence for MSMEs increase financing costs, discouraging commercial lenders.
- 3. Risk perception against MSMEs** – Financial institutions hesitate to offer long-tenure, low-interest loans due to uncertainties in MSME repayment capacity.
- 4. Awareness gaps** – MSMEs lack knowledge about green financing options and their benefits, slowing adoption.
- 5. Policy clarity** – Unclear regulations on green financing and scope 3 emissions deter large firms and financiers from actively supporting MSME decarbonization.

Call to Action #2: Integrate A Supply-chain-linked Model for Financing Decarbonization



Recommendations

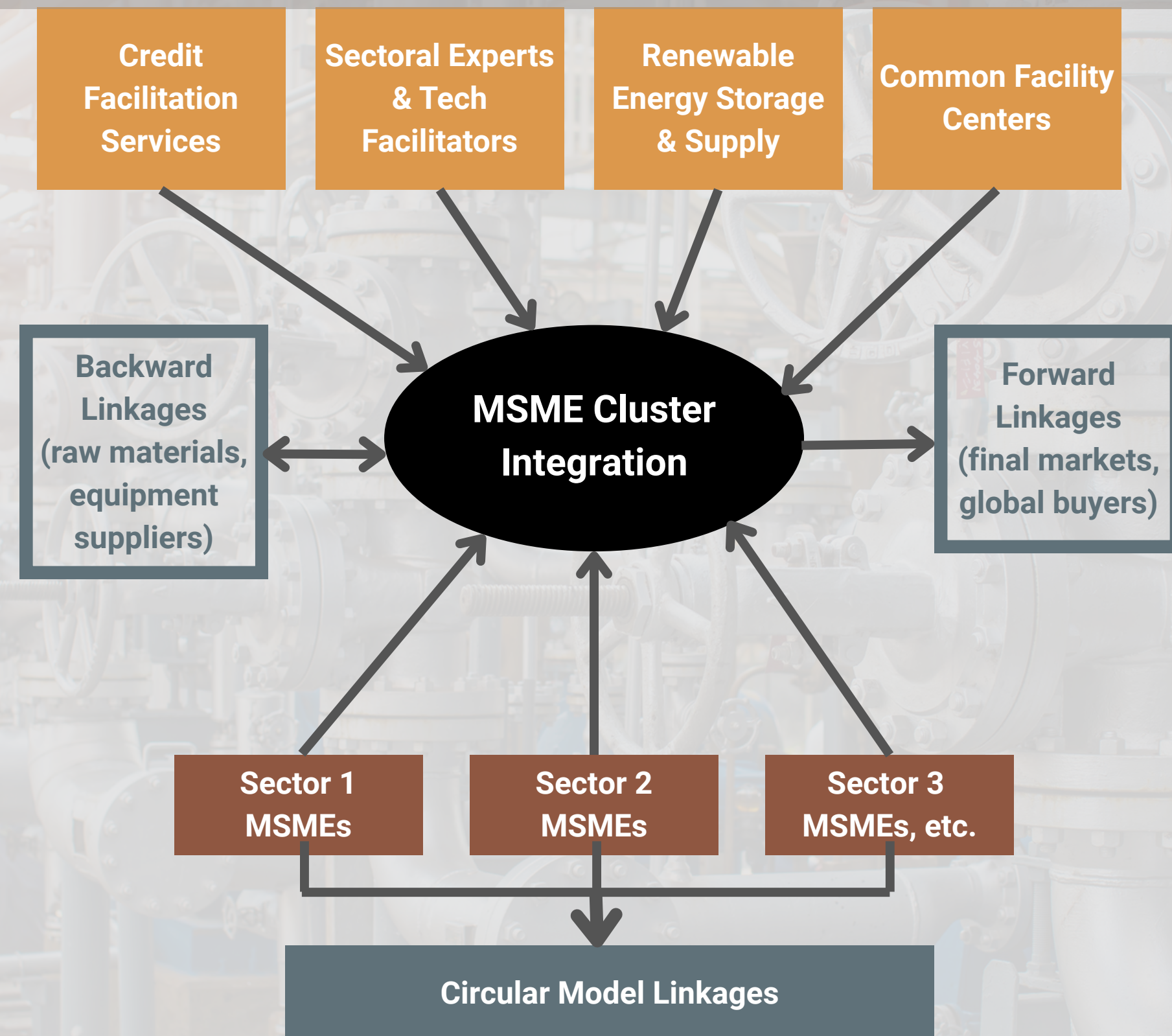
- Leverage Supply Chains for Decarbonization** - Create a supply-chain-linked financing model where large firms/corporate buyers support MSMEs in decarbonization, using existing supply chain relationships.
- Enable Flexible Compliance Regulations** - Allow large firms to meet emissions targets (under a robust CCTS) through Scope 1 or Scope 3 reductions, incentivizing them to decarbonize their MSME suppliers.
- Incentivize Large Firms with Carbon Credits** - Provide carbon credits to corporate buyers for financing MSME decarbonization, offsetting their own compliance requirements while cutting supply chain emissions.
- Lower Capex Barriers for MSMEs** - Since decarbonization tech for large firms is costly or underdeveloped, redirect investments toward MSMEs, enabling greener supply chains at lower costs.
- Support Hard-to-Abate Sectors** - Flexible regulations can encourage large firms in high-emission sectors to fund MSME suppliers' green transitions, earning carbon credits while meeting long-term compliance goals.

Key Barriers to Address

- High transaction costs** – Complex and costly processes hinder MSMEs from engaging in supply-chain-linked decarbonization financing.
- Upfront cost of low-carbon technologies** – MSMEs lack capital to invest in green technologies, requiring corporate buyers or carbon credit incentives to bridge the gap.
- Creditworthiness-related issues** – MSMEs often struggle to secure financing due to perceived risks, necessitating alternative models like supply-chain-linked carbon credits.
- Awareness gaps** – Many MSMEs and corporates are unaware of flexible compliance options and carbon credit benefits under supply-chain decarbonization.

Call to Action #3: Promote a Cluster-Based Approach for Integrated Green Transition

Supported through the SPV as well as the Supply-Chain Linked
Market Based Mechanism



Recommendations

1. **Promote MSME Cluster Integration** - Decisive mapping and interventions enabling access to credit facilitation services and working capital loans via securitization.
2. **Leverage Sectoral Experts and Tech Facilitators** - Helps drive uptake of clean technologies, renewable energy storage and supply, and circular model linkages within clusters via programmatic partnerships and performance-based mechanisms.
3. **Establish Common Facility Centers** - Integrate quality management systems, waste management, digitization, and financial management portals, boosting sustainable economic performance.
4. **Strengthen Forward and Backward Linkages** - Enable buyer-side and supplier-side financing (e.g., SPV models) and fostering information sharing, handholding support, and tech-driven RD&D programs.
5. **Develop Large-Scale Revolving Funds** - Provide financial pipelines for clusters, supporting renewable energy adoption, training for sustainable product designs, and circular economy initiatives.

Key Barriers to Address

1. **Creditworthiness-related issues** - Many MSMEs lack formal credit histories or collateral, making it difficult to secure loans for working capital or clean technology adoption.
2. **High transaction costs** - Fragmented MSME operations increase due diligence and financing costs, discouraging lenders and slowing cluster-based interventions.
3. **Awareness gaps** - MSMEs often lack knowledge of financing options (e.g., securitization, buyer-supplier financing) and clean technologies, hindering uptake and integration into clusters.

