







Greening supply chains: individual efforts v. joint commitments

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WP4: sustainable/green/circular procurement and supply chains

WP4 Objectives

- Green practices in public procurement
- The contribution of supply chains to the achievement of mitigation targets
- Design of decarbonization strategies for productive systems rather than individual businesses
- Focuses: plastics supply chain, data centers, forest management, and wood supply chain.

Our focus

- The decarbonization of Italian SMEs (manufacturing): state of the art, facilitators, barriers.
- Green criteria in supplier selection







Our survey

- Comprehensive coverage: 1,500 SMEs
- · A behavioral study on a sub-sample
 - A "vignette:" predict how players in a supply chain are likely to respond to different contextual cues (informal institutions) and formal governance mechanisms.
- Web-scraping + website mining
- Financial data (AIDA/Orbis)
- Social and environmental life cycle assessments
- A rich snapshot of Italian SMEs for AMELIA









Our theoretical approach: "supply chain dilemmas"

- A version of "social dilemmas"
- Scope 3 emission management is crucial in the aftermath of ESRS, CSRD and CBAM
 - * emission accounting "from cradle to" (eliabilities, Kaplan-Ramanna)
- A system perspective on unburnable carbon: a sequential game of "carbon release"
- Once a carbon-intensity threshold is exceeded, an environmental bottleneck arises (product too "dirty," price too high because of CBAM)
- Capacity to coordinate and "restrain" needed:
 - Behavioral research on social dilemmas and common pool resources
 - Emissions as a "supply chain bad" requiring governance
- Global value chains and Global South "dispossession:" justice as well as efficiency at stake









Grazie

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