



# Maturity management on resources efficiency in small and medium enterprises: a Life cycle approach

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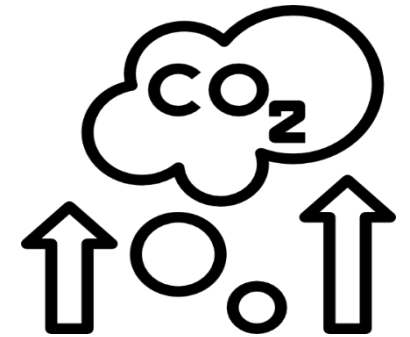


WORLD  
RESOURCES  
FORUM '23

# Introduction

- **Small and medium-sized** enterprises (SMEs)
  - 90% of the enterprises;
  - 50% of the jobs generated worldwide;
- **Brazil**
  - SMEs represent 99% of the establishments;
  - 54.4% of the jobs in 2018.

- **Environmental concerns**
  - About generation of pollution and carbon emissions;
  - Low efficiency on resources management.



**Goal:** to analyze the maturity of SMEs in Brazil from the perspective of life cycle management (LCM) in the efficient use of resources.

# Methodology

- We used the **I-GO Assistant** self-assessment tool developed by **Green Industry Platform**



Powered by  
 Green Industry  
Platform

[www.igoassistant.org](http://www.igoassistant.org)

- The study was conducted with **nine Brazilian companies** from different sectors in 2022:
  - food processing (1);
  - manufacturing (3);
  - digital services (4);
  - agricultural services (1).
  
- About their size, four were characterized as **small-sized**, two as **medium-sized**, and three as **large-sized** companies.



# Methodology

- A fast and free of charge tool to help companies to advance on **resources efficiency** topics.

## I-GO Assistant

SME resource efficiency self-assessment and navigation tool

1. Your Business → **2. Your actions to date** → 3. Recommendations

**Resource Efficiency Strategy** | Energy Management | Water Saving | Materials Efficiency | Sustainable Chemicals | Waste Management

Has your company's top management made a formal commitment to improve resource efficiency and has it developed a resource efficiency strategy?

Yes

Partly - A commitment has been made, but a strategy has not yet been developed

No

PREV NEXT

# Results: resource efficiency

55.6%

of the companies do not have any type of action focused on the **resource efficiency** strategy, **energy management**, or efficiency in the **use of materials**.



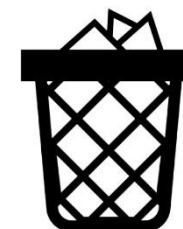
66.7%

of the companies **do not have** any type of action aimed at **saving water**.



33.3%

of them **do not have** activities **for waste management**.



# Results: maturity level

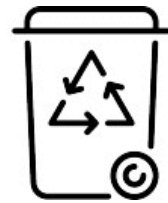
11.1%

**status: advanced/very good maturity** in terms of the **resource efficiency** strategy, **energy management**, and **water-saving** categories.

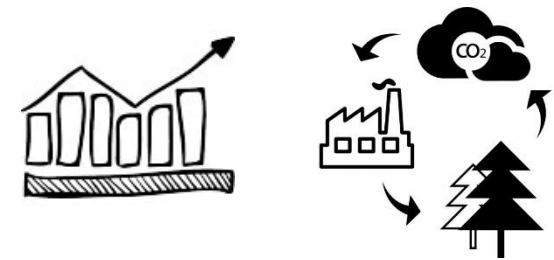


22.2%

**status: advanced** for the **material efficiency** and **waste management** topics.



- The **best results** (advanced maturity), which include an LCM perspective, were found only on the **large companies**;
- **beginner/intermediate maturity** results stood out more among the **SMEs**.





# Conclusion

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- To advance in the maturity of SMEs, more efforts are needed in the **systematic audit** and/or the **periodic monitoring system** of resource efficiency in companies.
- To create **financial incentives** to motivate companies to put in practice the I-GO Assistant's generated suggestions of improvement.

# Thank you!

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