

PEOPLE > PLANTS > PEOPLE >



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AGENDA

1 – Contexto

**2- Farm-to-market, uma
oportunidade global**

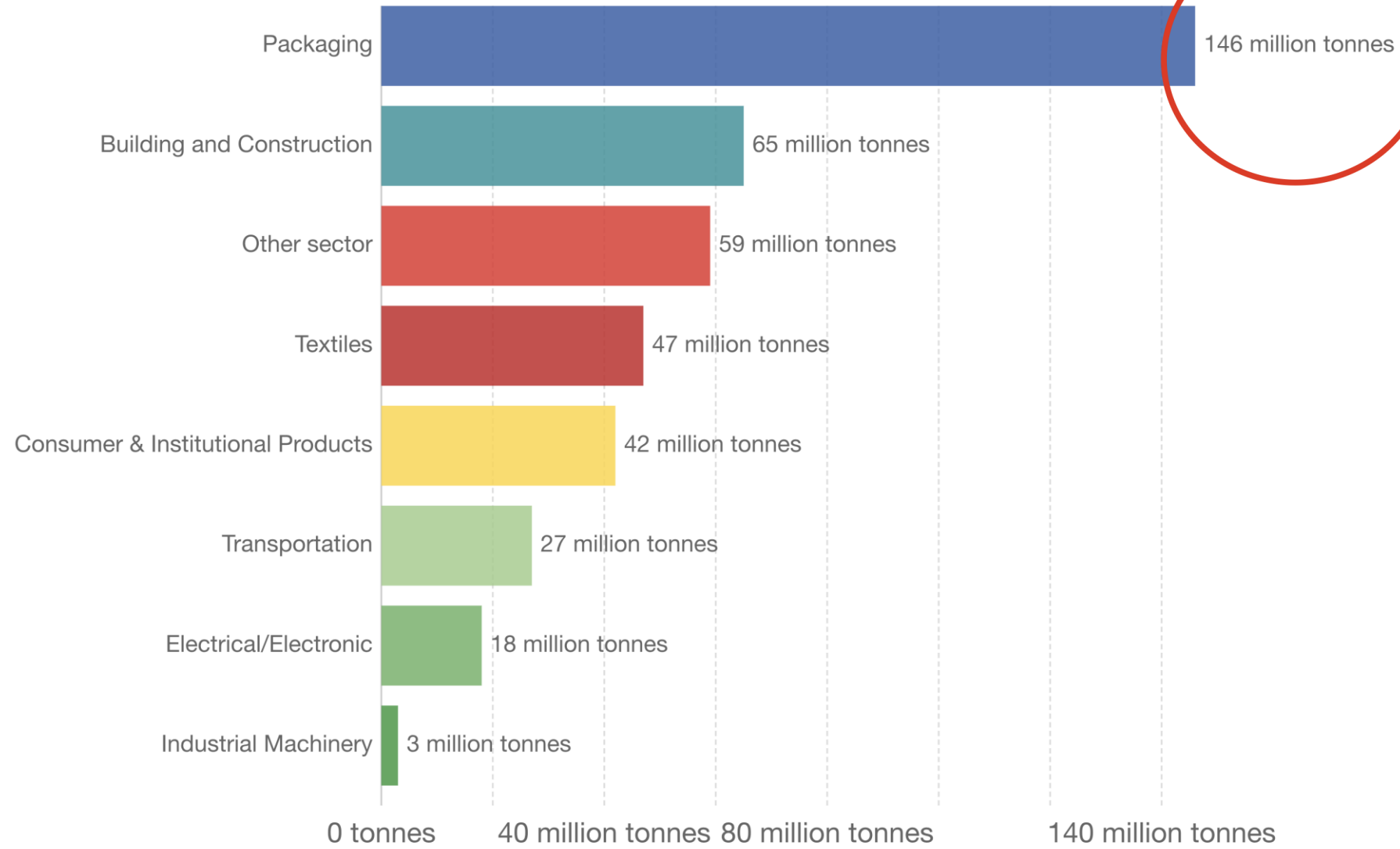
**3- O melhor negocio do
mundo**





Primary plastic production by industrial sector, 2015

Primary global plastic production by industrial sector allocation, measured in tonnes per year.

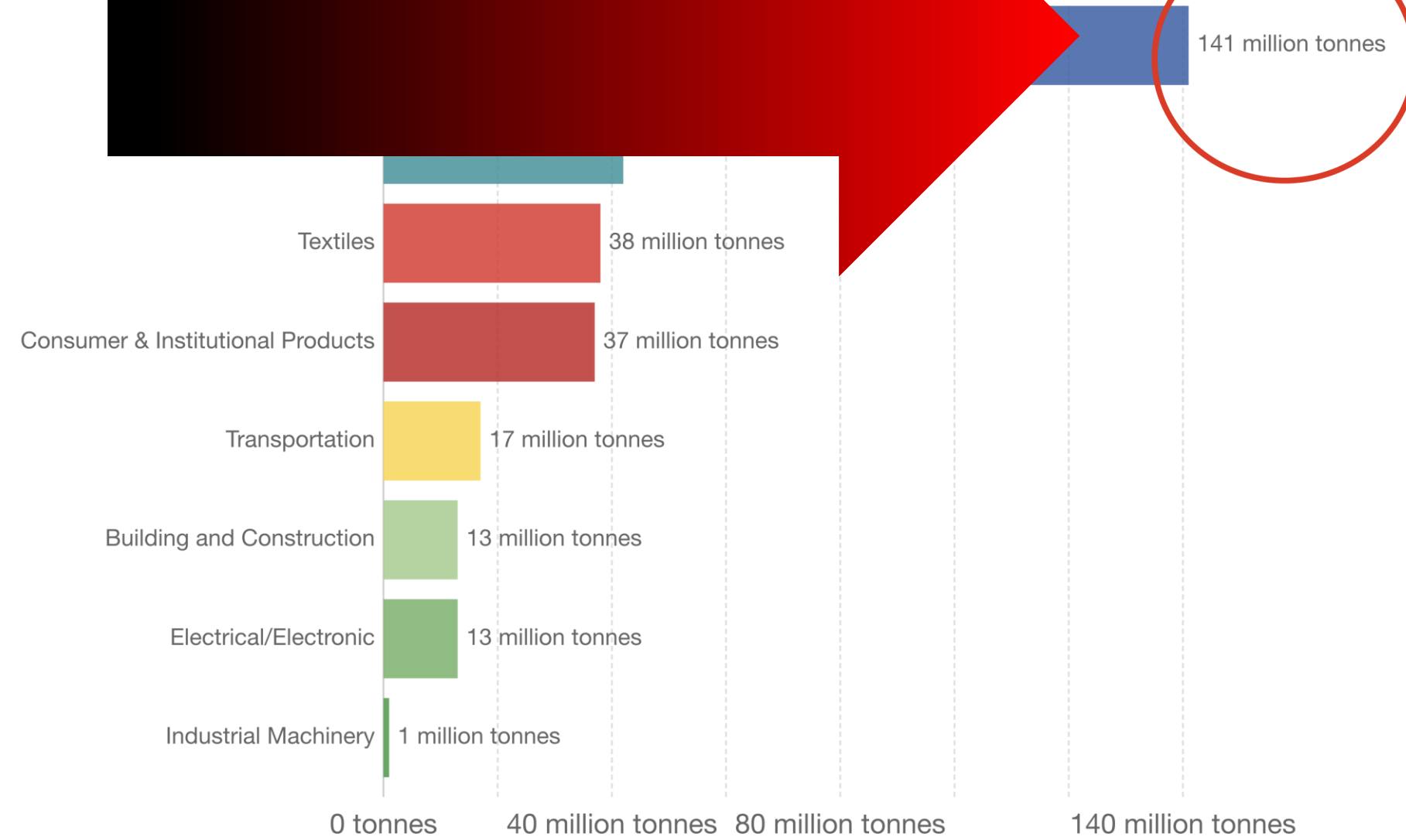


Source: Geyer et al. (2017)

CC BY

Plastic production by industrial sector, 2015

Global plastic production by industrial sector allocation, measured in tonnes per year.



Source: Geyer et al. (2017)

CC BY

Primary plastic
production for packaging:

**146 MILLION
TONNES**



Plastic waste from
packaging:

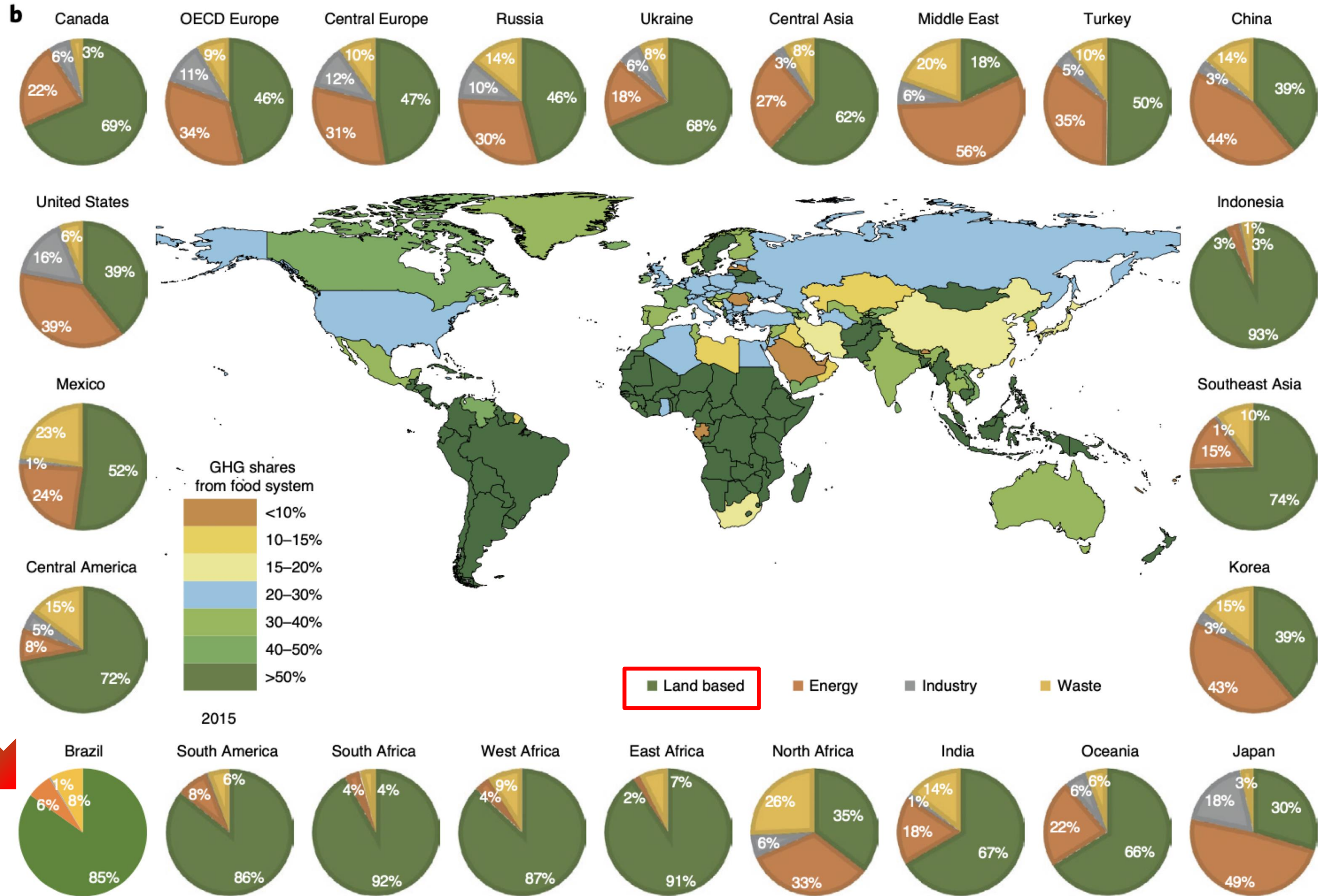
**141 MILLION
TONNES**



**OS SISTEMAS ALIMENTARES SÃO
RESPONSÁVEIS POR 1/3 DAS EMISSÕES
GLOBAIS ANTROPOGÉNICAS DE GEE.**

**↑
1/3!**

GHG SHARES FROM FOOD SYSTEM



BR
85%
Land based

(Crippa et al. 2021)







TECNOLOGIAS NECESSÁRIAS









BIOMATERIAIS

Competitivos

Rastreáveis

& Funcionais



INICIO DA VIDA

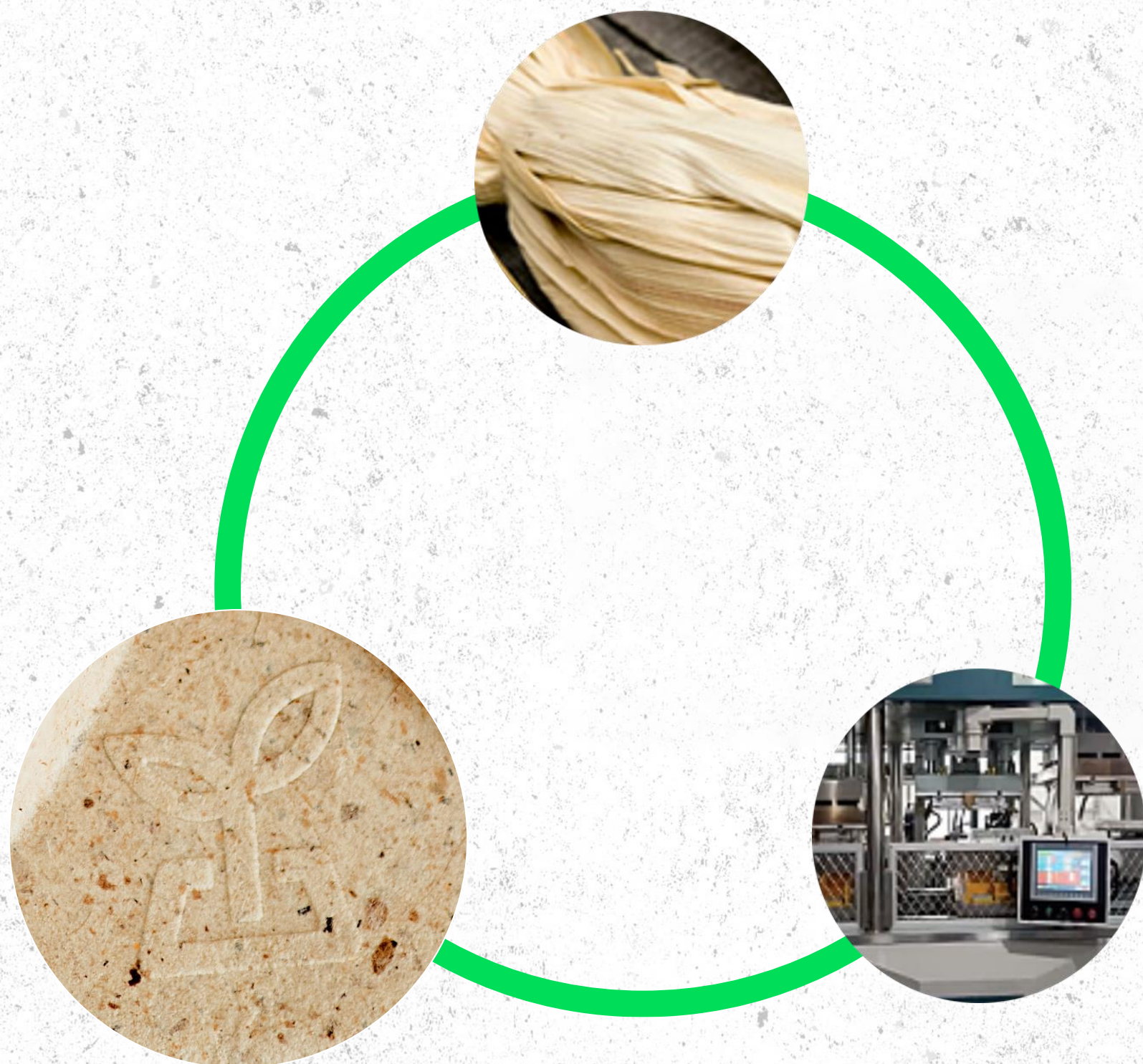
- Pre-tratamento na fazenda
- Captura de carbono e valor no origem
- Cadeia de valor regional (global)





BIOMATERIAIS FARM-TO-MARKET

- ▶ **Compostável* e reciclável**
- ▶ Altamente funcional (microondas, forno, freezer)
- ▶ Livre PFAs
- ▶ Barreiras e formatos personalizados
- ▶ **Patente pendente**






UNIDADES DE PRODUÇÃO INTEGRADA

- ▶ Processos 100% bio-térmo mecânicos
- ▶ Fibra termomoldada high-end
- ▶ Escalável + modular





-80% H₂O
vs. Cardboard*

* based on LCA

-50% CO₂ EMISSIONS

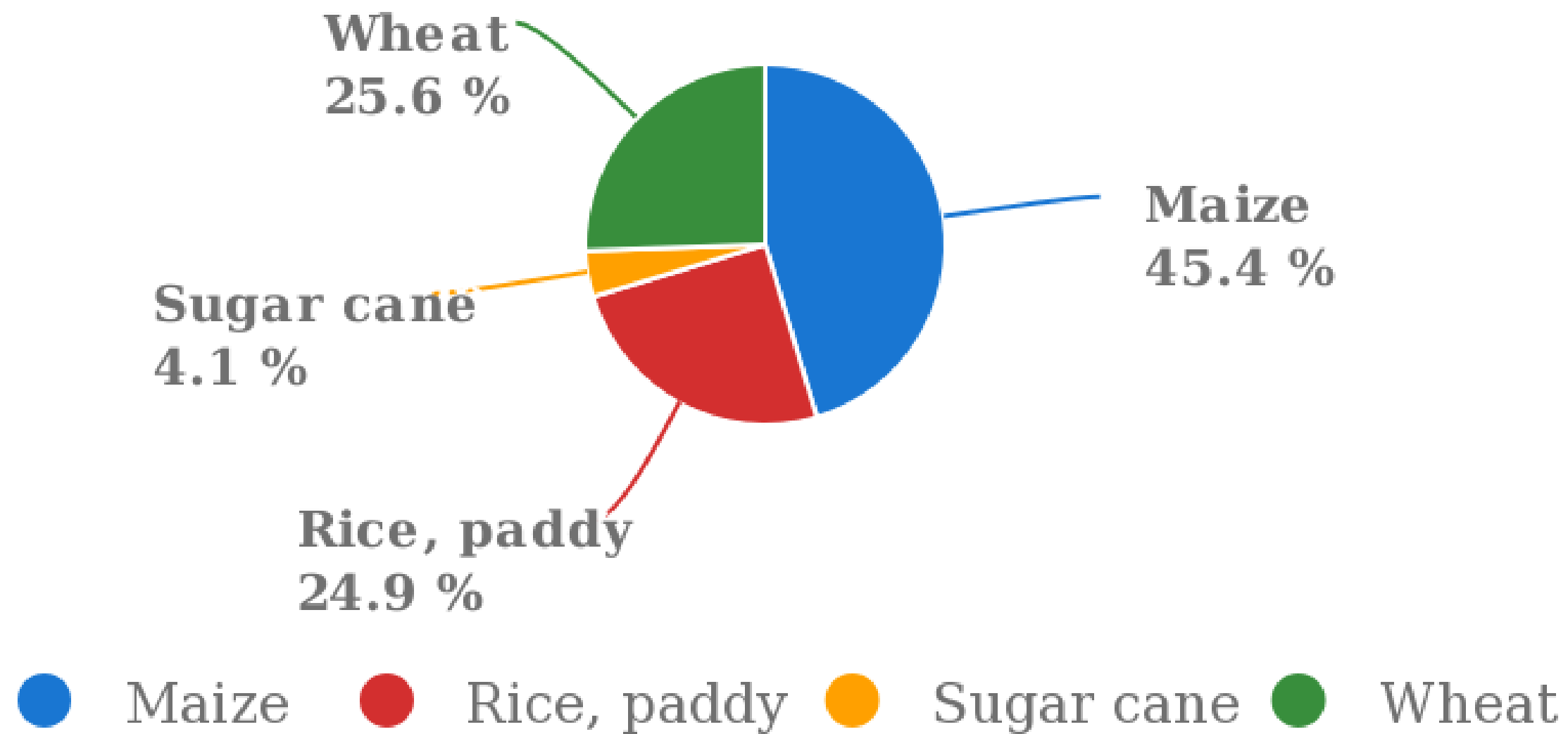
vs. Cardboard*



* based on LCA

EMISSÕES GLOBAIS (CO₂ eq) DA QUEIMA DE BIOMASSA E TIPO DE COLHEITA

Average 1990 - 2018

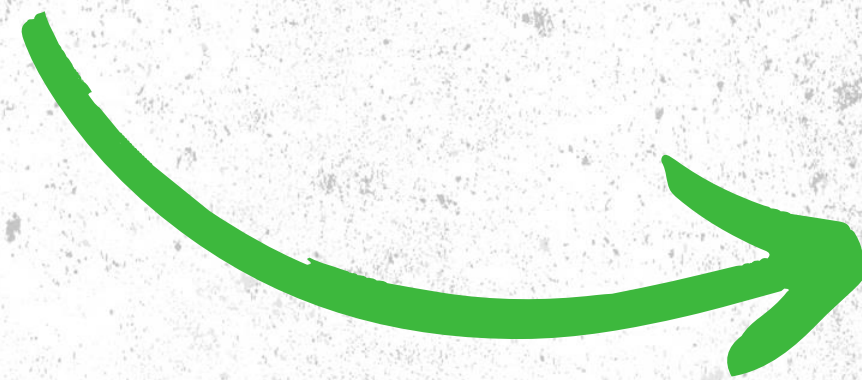


Source: FAOSTAT (Jun 08, 2021)

MOLDED FIBER FOR FOOD SERVICE & RETAIL

71BN.pcs per year (+20% 2025)

Tree  chemically-sourced fibers



=76 BN.pcs per year

+ Other double proposed crops

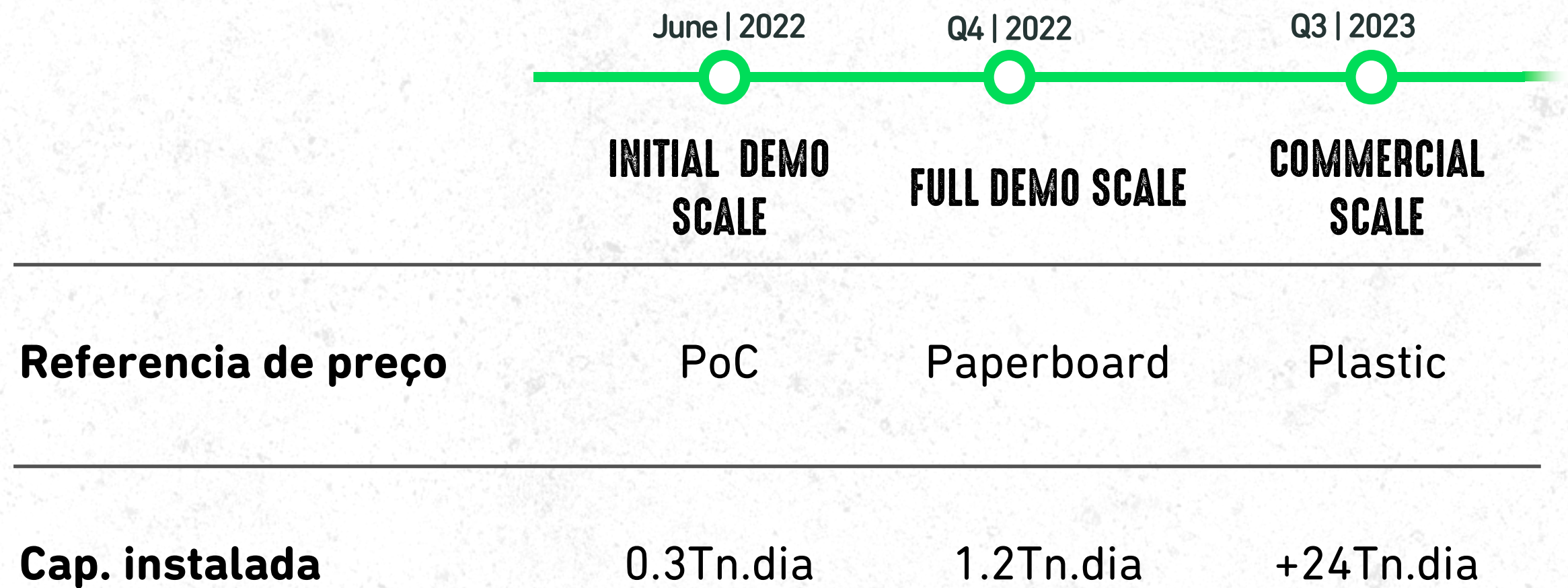






ESCALA DEMO

- Planta piloto em Vinhedo, São Paulo - Brasil
- ▶ **Segue:**
 - Pilotos comerciais
 - Product-to-Market fit
 - Aplicação barreiras biobasadas



O MELHOR NEGOCIO DO MUNDO



**AÇÕES PARA O FUTURO:
TECNOLOGIAS NECESSÁRIAS**



**De plantas,
a pessoas,
a plantas.**



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