



7th EACO Regional Awareness Conference on Sustainable E-waste Management

Insights from emerging Extended Producer Responsibility

24th – 26th March 2025
Neirin Jones | Director





**DELIVERING
EPR
SOLUTIONS
SINCE 2020.**



One-stop EPR compliance solution

- ✓ **Up-to-date** with national regulations
- ✓ **Digital** waste tracking and reporting
- ✓ Financial **transparency and accountability**
- ✓ **Cost-efficient** waste management
- ✓ **Socially inclusive** and responsible



275+

PROJECTS

115+

COUNTRIES

25

TEAM MEMBERS



30+

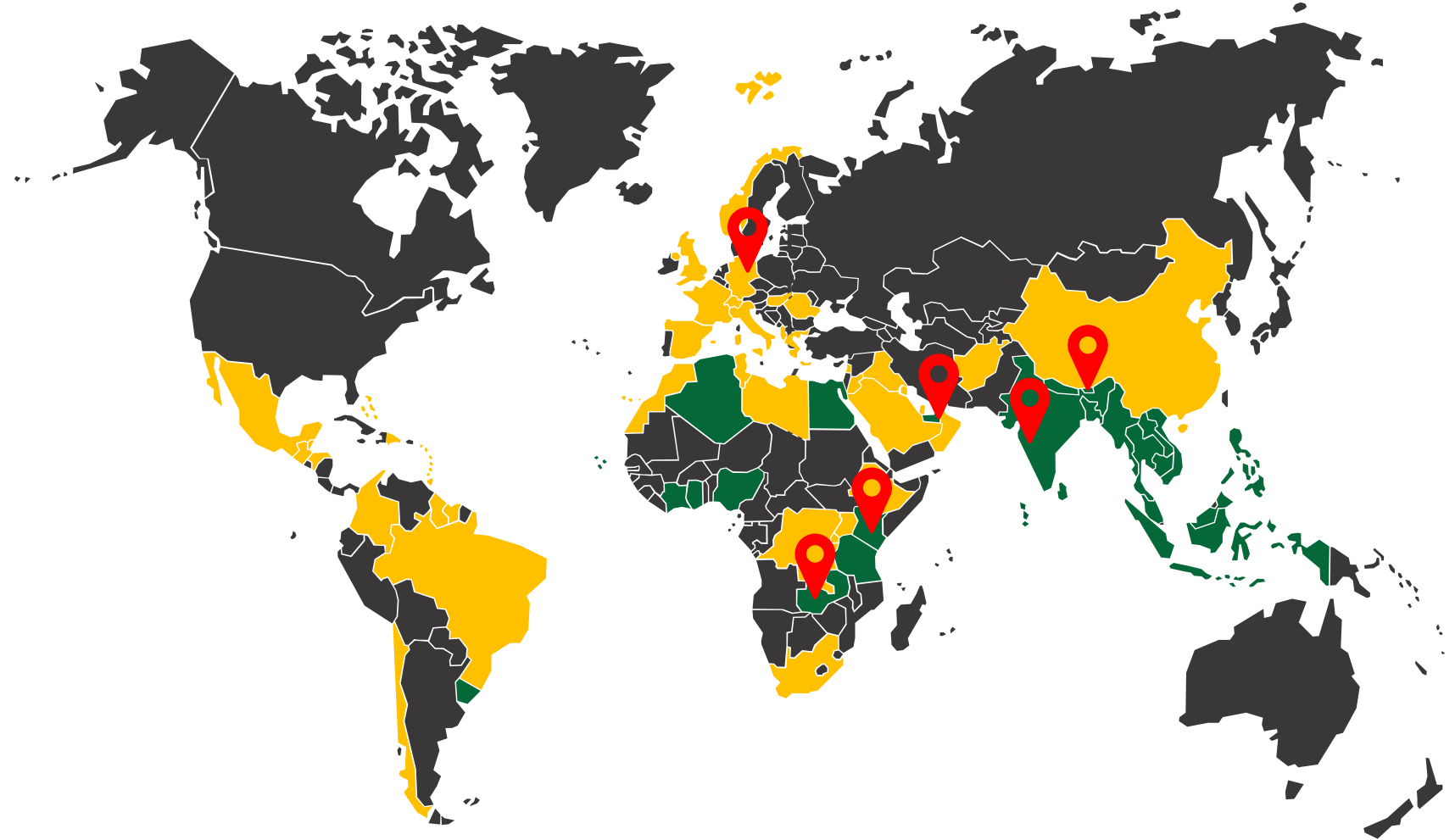
EPR PROJECTS

20+

COUNTRIES

6

GLOBAL
EPR OFFICES



Inappropriate E-waste Management



Loss of valuable materials



Environmental degradation



Health risks of toxic
substances

Problematic E-waste Management in the EU

E-waste in the **European Union** is mostly processed **mechanically**, but material recovery is inefficient:

- **Shredding destroys high-value components**, making fine material separation difficult
- **Magnetic and eddy current separation** recover only bulk metals, while valuable fractions (e.g., rare earths, precious metals) remain mixed in residues
- **Chemical and thermal recovery** are energy-intensive and still lose critical materials

→ This results in **significant resource losses** and limits **Circularity potential**

African E-waste Management – A True Powerhouse

In contrast, manual e-waste handling in Africa achieves higher recovery rates through:

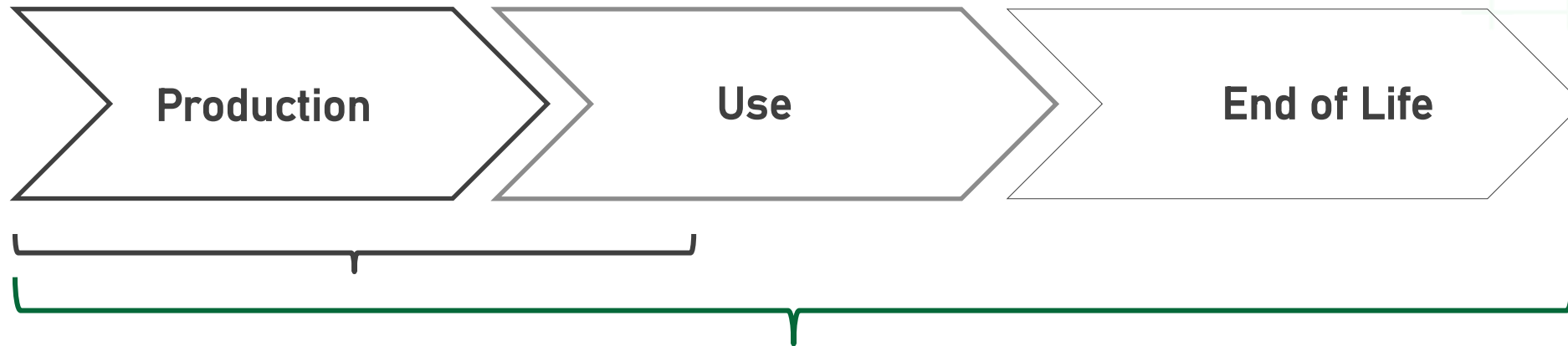
- **Selective dismantling** by skilled workers before further treatment
- Manual sorting retains **higher-quality fractions** than shredding-based methods
- **Low-tech, cost-effective approaches** with minimal energy input

→ **maximising material value** and supporting **local livelihoods**

 **but often lacks safe handling standards...**

“Extended” Producer Responsibility (EPR)

A regulation which extends the responsibility of manufacturers, importers, and brand owners for the products they place on the market to the post-consumer phase.



“Traditional” producer responsibility” :

- Design
- Production
- After sales
- Product Safety

Extended producer responsibility:

- Design for environment
- Responsible production
- Sustainability and reparability
- Reuse
- Recycling
- Product safety

Example definition of „Producer“

A producer of Electrical and Electronic Equipment (EEE) is who first professionally places on the national market a new or used regulated product, whether as **manufacturer, importer, brand owner or distant seller** established outside of Zambia and selling directly to an end user in Zambia against payment or free of charge

This includes:

- **Manufacturers:** Entities that manufacture EEE under their own name or trademark.
- **Importers:** Entities that import EEE into the national market.
- **Brand Owners:** Entities that market EEE under their own brand, even if produced by a third party.



The „cost“ of EPR

EPR is a low cost in relation to product price

Acer laptop CHROMEBOOK SPIN 512 R852T-C4Y7


★★★★★ 4.6/5 [Read all 5 reviews](#) | [3 user tips](#)



Strengths

- Touch screen 12" IPS, HD+ 1366 x 912 - LCD TFT Acer ComfyView - 60 Hz
- Intel Celeron® N4020 Processor (1.1 to 2.8 Ghz) - Intel® UHD Graphics 600
- 4 GB DDR4 RAM - 32 GB eMMC Sockage
- Wi-Fi Intel AC 9560 - Bluetooth 5.0 - Chrome OS

[See all features](#)

 This product is maintained and repaired unlimited with Darty Max

 Save more

Sold and shipped by **Darty**

DARTY OFFER - 43%

€169.99 €299.99[€]

From **€42.49 /month** ⓘ

Of which 0,36 € d'eco-share. DEEE


Delivered from 06/09

Free

Delivered tomorrow

From €4.99

[See all delivery options](#)

 Add to cart

Free withdrawal
In stock in +50 stores

+ 0.2%

Apple MacBook MACBOOK PRO 13" 512GB SSD 16GB RAM M2 CHIP CPU 8 COURSE GPU 10 COURSE SIDERAL GREY NEW

★★★★★ 4.7/5 [Read all 3 reviews](#) | [26 user tips](#)

Proline bottom freezer refrigerator PLC163WH

★★★★★ 4.4/5 [Read all 246 reviews](#) | [99 user tips](#)

 Choix durable

Samsung Multi-door Refrigerator RF65A967FSR

★★★★★ 4.9/5 [Read all 19 reviews](#) | [Prompt users](#)



Sold and shipped by **Darty**

€2,059

Of which 0,50 € d'eco-share. DEEE

+

0.02%

Sold and installed by **Darty**

€249.99

From **€62.49 /month** ⓘ

Of which 10,00 € d'eco-share. DEEE

+ 4%

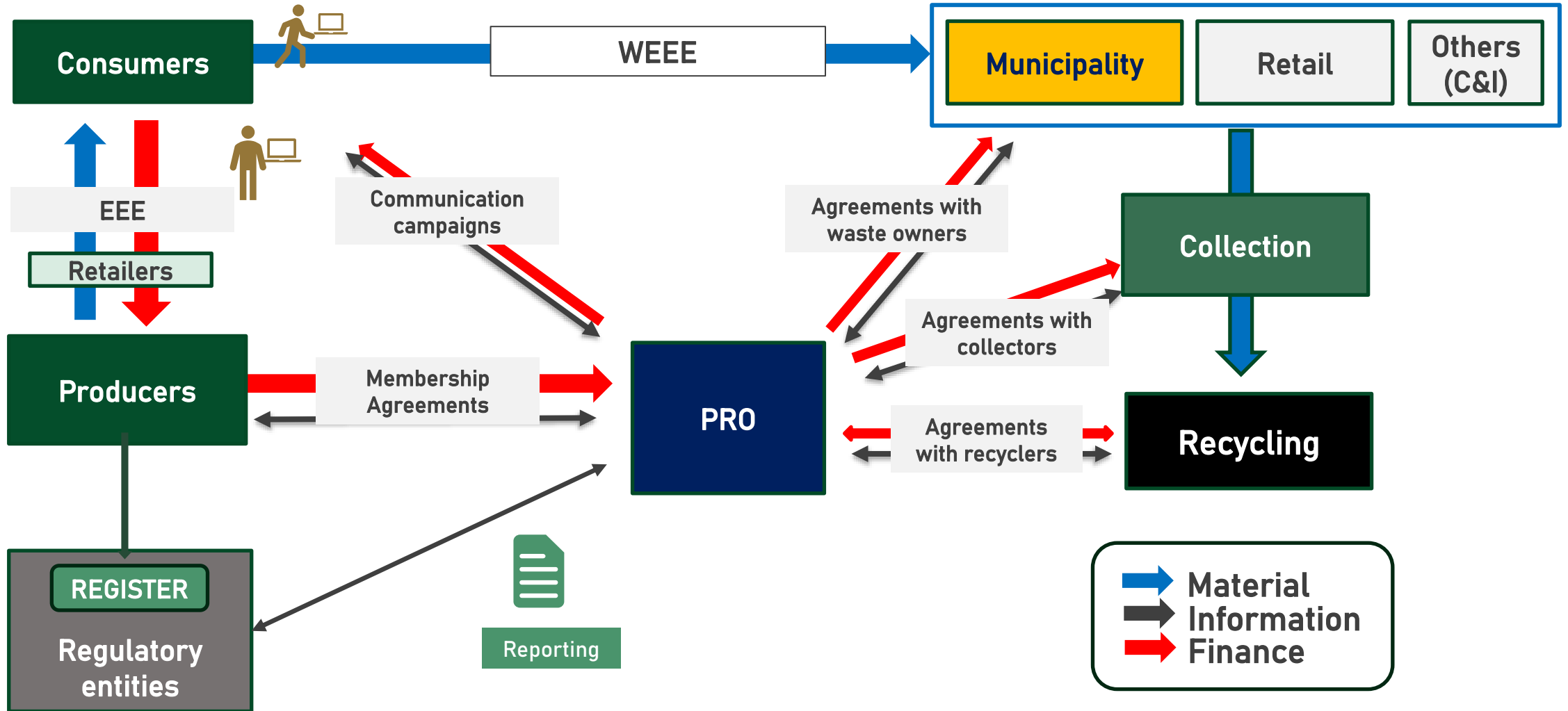
Sold and installed by **Darty**

€3,099

Of which 23,00 € d'eco-share. DEEE

+ 0.7%

EPR for Electrical and Electronic Equipment



PRO Business Model

PRO Income:

- Producer fees
- Recycling profits

=

Costs of PRO structure:

- Staff
- Rents
- External services
- Depreciation & Amortization
- Financial costs
- Taxes
- Others

Register

Awareness campaigns

R&D

+

Waste Management Costs:

- Access to Waste
- Containers
- Primary collection
- Intermediary storage/sorting
- Long Haul
- Recycling

THE CHALLENGES

OF E-WASTE EPR IN AFRICA.



Few service providers for the rising regulations



Access to waste = 50% informal



No “one-stop” solution for manufacturers and importers



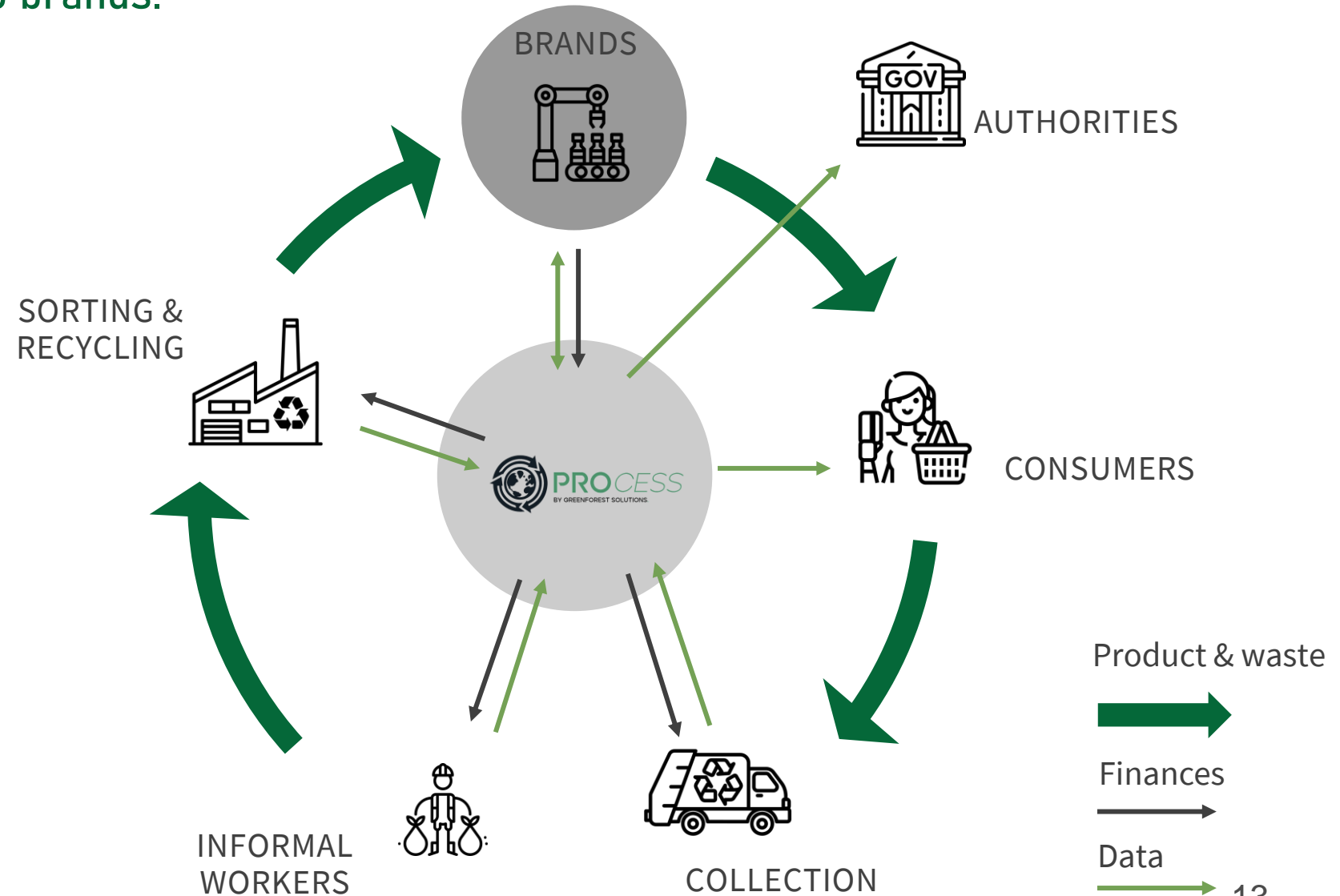
THE SOLUTION.

Our E-waste EPR compliance platform provides simple product stewardship to brands.

One-stop solution, integrating

- traceability
- monitoring
- financial transactions

in a seamless, scalable system.

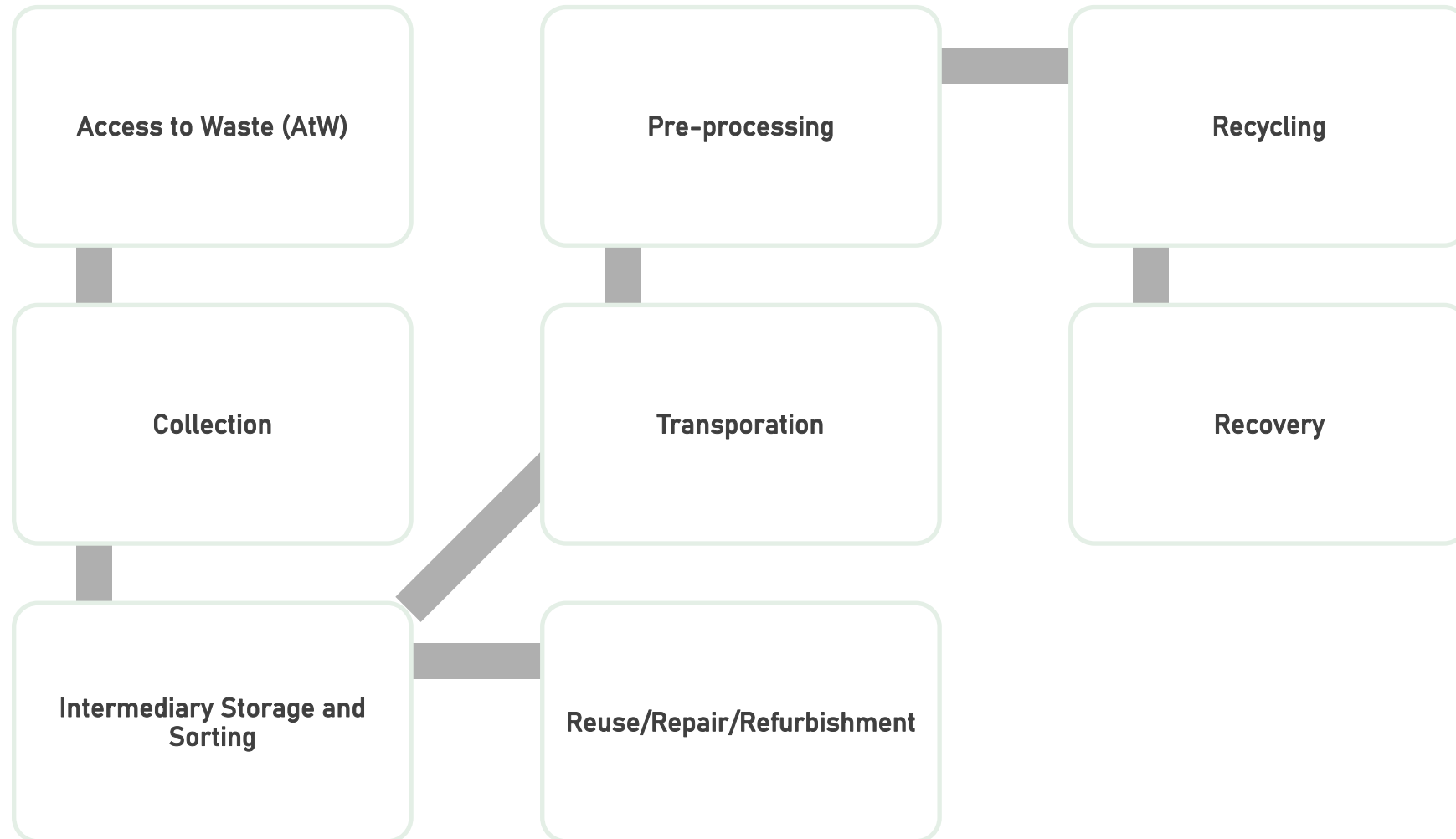


It's about truly understanding the situation

Regulatory Framework	Status of EPR regulation
	Completeness of regulation
	Alignment between State Laws and Federal Laws
	Status of EPR registry implementation
Waste Management Operations	Waste Collection
	Waste Recycling
	Recovery
	Landfilling / final disposal
Producer & Other Aspects	Producer market
	Access to capital
	Pre-existing PRO initiatives
	General awareness and willingness to implement EPR
	Availability of data
Macro-economic Indices	Country Governance Indicators
	GDP, Purchasing Power Parity, Gini Coefficient
	Human Development Index
	ICT Development Index
	Environmental Performance Index
	Ease of Doing Business Index



Full digital traceability, inventory, and accounting





In need of support with anything **EPR**?
Speak to our experts via solutions@gfs.earth

THANK YOU

Part of



www.gfs.earth

LinkedIn