

Understanding EPR and the role of data in its implementation

Western Africa Workshop on Waste Management and the Circular Economy: Bridging data gaps, enhancing technical capacity, and facilitating evidence-based policymaking to accelerate the Sustainable Development Goals

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extraction

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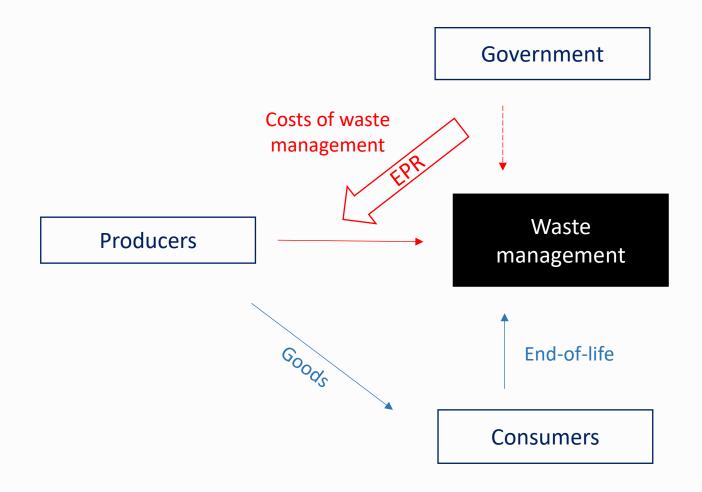
2. Data for better EPR

3. Good cases



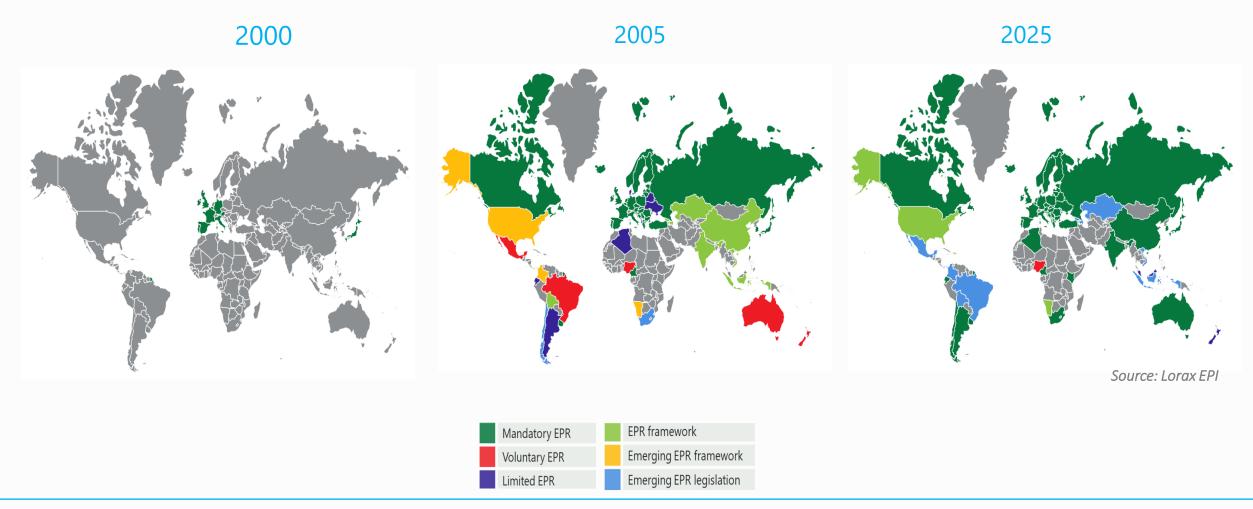
What is it?

- A concept where producers bear a significant degree of responsibility for the environmental impacts of their products throughout the product life-cycle
- Real world: it puts the burden of waste management on companies by the internalization of costs





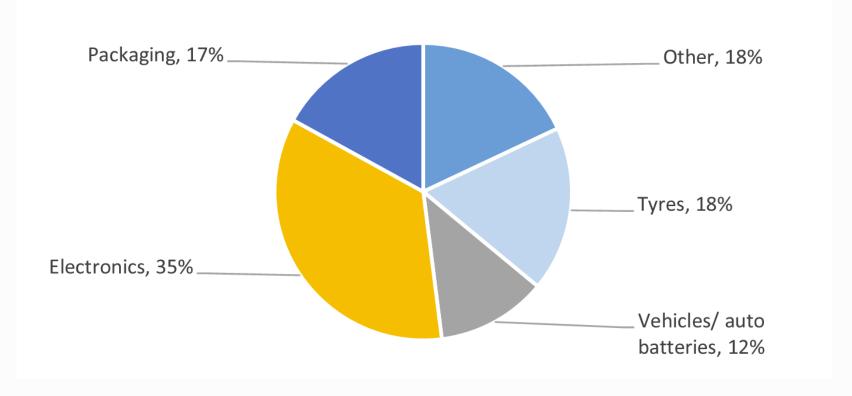
Global landscape: 400 EPR organisations in 150 countries





Global landscape, by sectors

EPR by product type, worldwide (2016)



https://www.oecd.org/en/publications/modulated-fees-for-extended-producer-responsibility-schemes-epr 2a42f54b-en.html



Policy integration

	Nat/sub-nat. law	Bans, phase out	DRS, tax, levy	Recycl. mandate	Eco-design, label	EPR
Colombia	0	②	©	©		©
Fiji	0	©		0		©
India		©	0			©
Indonesia	0	②				©
Kenya	0	©			0	©
Malaysia	0	②		©		©
Maldives	0	©	0		0	©
North Macedonia	0	©				©
Philippines	0	©	0			©
Serbia	Ø	©	©			②
South Africa	0	©				©
Uruguay	0	©		©		©
Vietnam	©	©				©

Source: UNEP-IETC (2024). Japan-funded project on Sustainable Plastic Waste Management (https://wedocs.unep.org/handle/20.500.11822/46066)





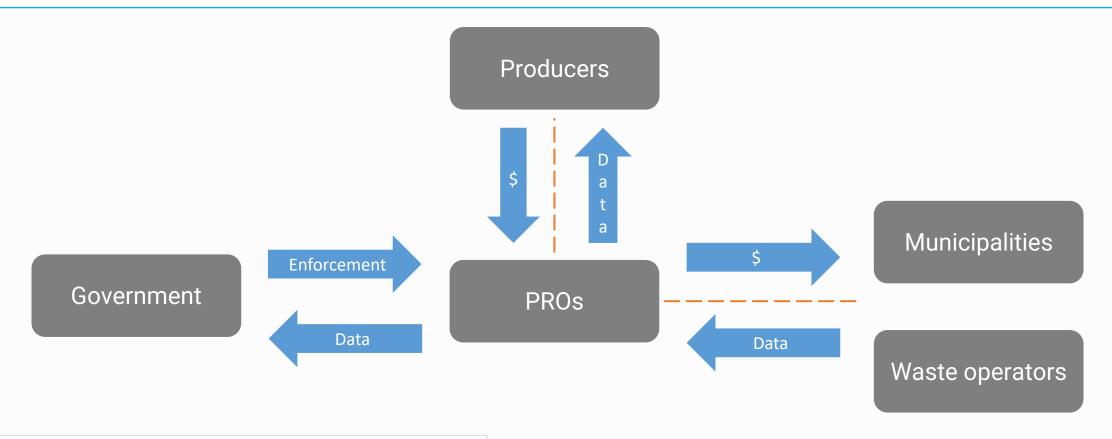
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2. Data for better EPR

Stakeholders and commitments



Blue arrows: Financial, information, mandate flows

Orange lines: physical flows



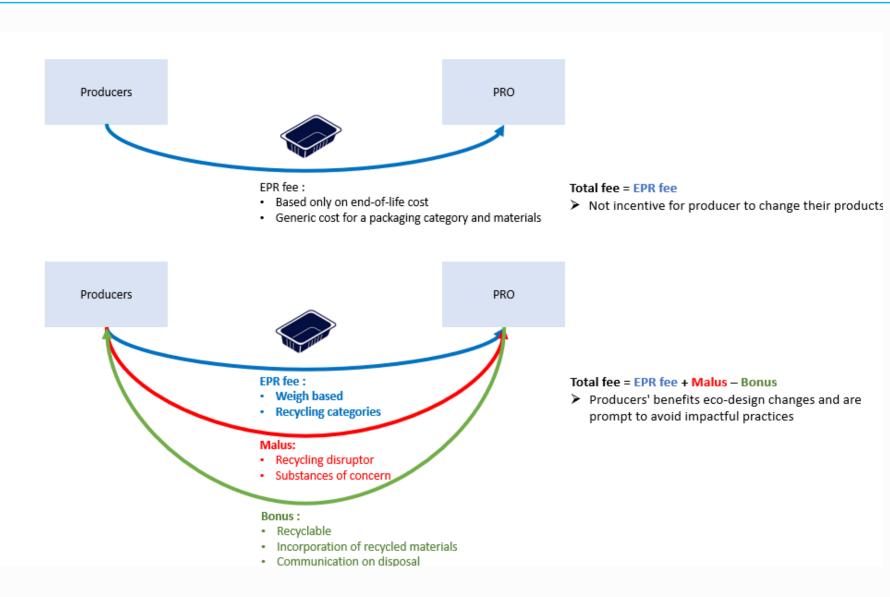
2. Data for better EPR

More data, more effective and efficient schemes: eco-modulation

Pricing as a foundation.

It must consider:

- Environmental impacts
- Recyclability
- Secondary and reuse markets
- Transparency
- Social aspects

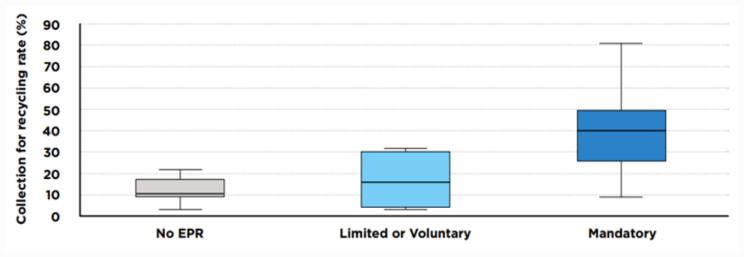


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2. Data for better EPR

EPRs are prone to be effective, but...

Recycling rates in countries with and without EPR



Ellen MacArthur Foundation (2021) National collection-for-recycling rates for plastic packaging

Transparency and monitoring are critical

Not to become a "mandate to pollute"

Avoid partial cost-coverage

Prevent free riding

Ensure integrity

Enable dedicated funds









3. Good cases

Countries with advanced waste management

Country/Region	EPR focus areas	Status	
Korea	Disposable diapers, PVC pipe toys, kitchenware	ADF (waste charge) applied to hard-to-recycle products	
France	Toys, sports/leisure goods, home improvement, gardening	New EPR programs under anti- wastage law (2022+)	
EU	Balloons, sanitary wipes	EPR required under Single-Use Plastics Directive	
Netherlands	Diapers	EPR planned for 2023 or 2024	

Source: ¹Brown, A., Laubinger, F., & Börkey, P. (2023). New Aspects of EPR: Extending producer responsibility to additional product groups and challenges throughout the product lifecycle. *OECD Environment Working Papers*.



3. Good cases

In Global South

Eco-design

Chile: eco-modulation rates, based on collection, recovery and recycled content

Recycling 120%

Plastic waste 15%

Social Inclusion

Uruguay: Law focuses on the formal inclusion of informal recycling workers **Brazil**: match funding to support waste collectors and recycling cooperatives

National bank: U\$D 4M Match funding: U\$D +16M

Regulatory Convergence

Rwanda & South Africa: take back schemes for respectively electronics & plastic/glass (bottle to bottle)

Malaysia: committed to banning microbeads and nurdles by 2028

phase out bioplastics

Life cycle approach

South Africa: inserted life cycle metrics into its EPR system

Vietnam: targets on resource use

7–10% reduction targets

Source: UNEP-IETC (2024). Japan-funded project on Sustainable Plastic Waste Management. https://wedocs.unep.org/handle/20.500.11822/46066





EPR as an opportunity!

The Business Coalition for a Global Plastics
Treaty calls for the adoption of harmonised
regulations to end plastic pollution at INC 5.2

BUSINESS COALITION FOR A GLOBAL PLASTICS TREATY

Dear Heads of Delegations,

As members of the Business Coalition for a Global Plastics Treaty, representing +290 global businesses, financial institutions and NGOs, we remain steadfast in our belief that a robust treaty with strong common obligations is the most effective way to pursue a lasting impact on plastic pollution while delivering economic, environmental and social value.

Business supports harmonised regulations because they (1) drive consistency across borders while supporting national ambitions; and (2) provide the lowest cost option to effectively address plastic pollution. **Voluntary efforts are not enough**, and the current fragmented regulatory landscape results in increased costs and complexity.

With a pivotal opportunity at INC 5.2, we <u>urge you to support a treaty</u> that includes provisions for **harmonised** regulations on key elements, including phase-outs, product design and extended producer responsibility (EPR).

Enabled by a fair financing mechanism, such measures would halp support sustainable levels of production and

A globally harmonised approach for national EPR schemes, with key principles and minimum requirements, would make recycling more efficient and expand the supply of high-quality recycled content. We, as businesses, are already contributing significantly to EPR fees in many countries. However, with common principles applied at a national level, **global cumulative EPR revenues could more than double between 2026 and 2040, to \$576 billion**, compared to \$279 billion under a treaty based on voluntary national measures.



Thank you



UNEP-IETC work on EPR



Japan-funded plastic project

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