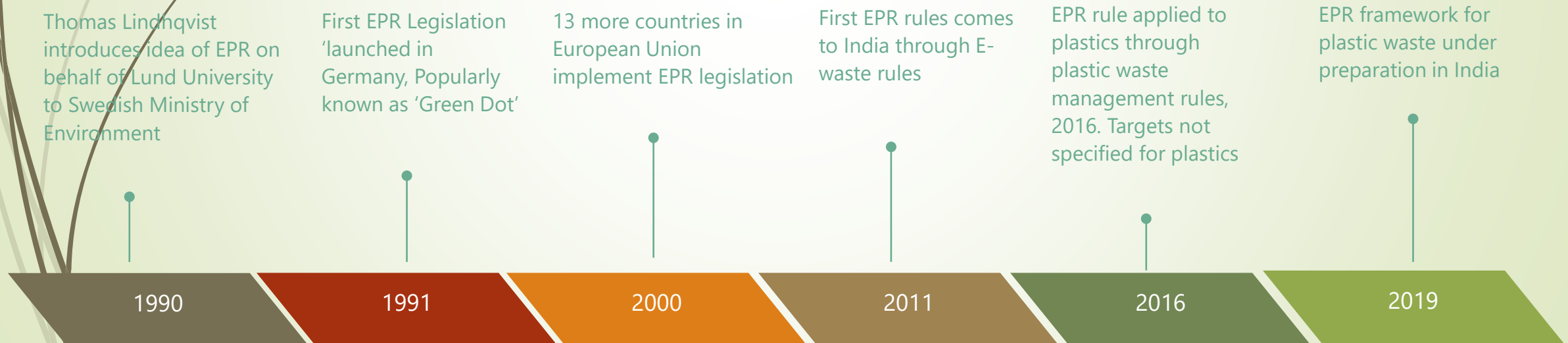




# Extended Producer Responsibility Evolution

EPR is an **environmental protection strategy** to reach an environmental objective of a decreased total environmental impact from a product, by **making the manufacturer of the product responsible for the entire life-cycle of the product** and especially for the take-back, recycling and final disposal of the product. The Extended Producer Responsibility is **implemented through administrative, economic and informative instruments**. The composition of these instruments determines the precise form of the Extended Producer Responsibility.



# Global Best Practices



The initiative "Pfand Sackel" (Goodbye plastic bag) mandates retail sector to charge for plastic bags.

[https://ec.europa.eu/environment/eir/pdf/report\\_at\\_en.pdf](https://ec.europa.eu/environment/eir/pdf/report_at_en.pdf)



Landfill Tax is EUR 100/Tonne, landfill fee is EUR 50/Tonne and gate fee of the incineration is around EUR 100/Tonne to promote recycling.

[http://www.plastic-zero.com/media/62436/annex\\_d20b\\_-\\_action\\_1.3\\_-\\_review\\_on\\_plastic\\_waste\\_in\\_the\\_municipal\\_waste\\_stream\\_-\\_belgium\\_final.pdf](http://www.plastic-zero.com/media/62436/annex_d20b_-_action_1.3_-_review_on_plastic_waste_in_the_municipal_waste_stream_-_belgium_final.pdf)



CITEO has differentiated fees for plastic packaging lower for sortable/recyclable household waste (208.00 EUR/tonne) and higher for non-sortable/recyclable waste (228.00 EUR/tonne)

<https://ieep.eu/uploads/articles/attachments/9665f5ea-4f6d-43d4-8193-454e1ce8ddfe/EPR%20and%20plastics%20report%20IEEP%2019%20Dec%202017%20final%20rev.pdf?v=63680919827>



Companies have to participate in a dual system such as Der Grüne Punkt (Green Dot) and have to register with the Central Packaging Registry (ZSVR).

<https://www.gruener-punkt.de/en.html>



The producers are obliged to pay depending on the type of packaging put onto the market that is used to pay the Municipalities for managing waste.

<http://www.conai.org/en/about-us/conai-system/>



Svenska Retursystem is reusable distribution packaging system its boxes are used for half of all fresh food deliveries.

<https://ieep.eu/uploads/articles/attachments/9665f5ea-4f6d-43d4-8193-454e1ce8ddfe/EPR%20and%20plastics%20report%20IEEP%2019%20Dec%202017%20final%20rev.pdf?v=63680919827>



Tradable Packaging Waste Recovery Note (PRN) system.

<https://app.croneri.co.uk/feature-articles/packaging-recovery-how-it-works-and-why-it-needs-improving>



Mandated Rates of Recycling by Item and mandatory submission of Recycling Plan by PRO and Producer to K-eco.

[https://www.keco.or.kr/en/core/operation\\_extended/contentsid/1980/index.do](https://www.keco.or.kr/en/core/operation_extended/contentsid/1980/index.do)

# Global Best Practices



The Container and Packaging Recycling Act mandates sorted disposal by consumers, separate collection by municipalities and recycling of the waste by the manufacturers.

[https://www.eu-japan.eu/sites/default/files/publications/docs/waste\\_management\\_recycling\\_japan.pdf](https://www.eu-japan.eu/sites/default/files/publications/docs/waste_management_recycling_japan.pdf)



EPR - Driven by Producers

- Producers individually responsible for operating a collection program
- Producers may discharge duties through a third party – PRO

Stewardship - Driven by Government

- Producers can individually or be part of a collective program
- Addresses full life cycle of a product

<https://www.canada.ca/en/environment-climate-change/services/managing-reducing-waste/overview-extended-producer-responsibility.html>

# Way forward and lessons for India

- Set up a central packaging registry to track packaging used, waste generated, collected, recycled and landfilled (MoEFCC).
- Implement polluters pay principle by (visibly) including cost of transportation and processing of packaged waste in product prices (MoEFCC and Ministry of Finance)
- Promote business models of MRFs and recycling units based on location specific studies specifying types of plastics available and demand of processed products as raw material (MoHUA and MoEFCC)
- Promote design changes in packaging. e.g. Alternative materials to plastics, shift from polymers to monomers (MoEFCC, DST for research)
- Promote market potential of recycled products (eg. Bottle to Bottle Recycling) by including standards for products in the National EPR Framework (MoEFCC)
- Strengthen value chain of plastics with special focus on strengthening role of the informal sector in collection and operation of MRFs (MoHUA, ULBs, PRIs)



Thank You

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