

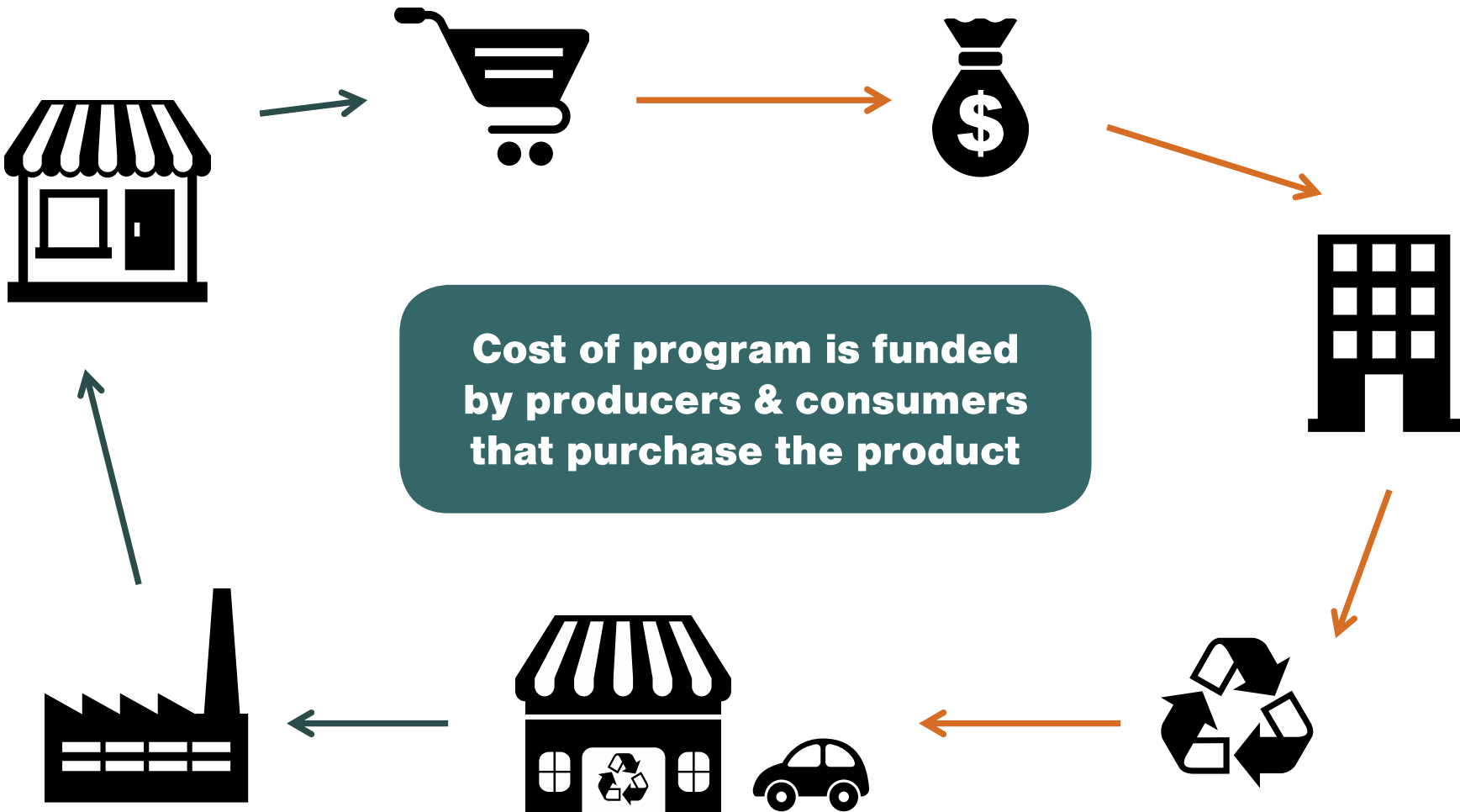
What is product stewardship?

Product stewardship is an environmental and economic management strategy

- Manufacturers take responsibility for their products at the end-of-life
- Programs involve recycling and/or safe disposal of unwanted products
- Costs are shifted from local governments to the users and producers of the product
- Efficient and cohesive private sector systems are created that are effective in providing and promoting accessible end-of-life management systems for their products



How does product stewardship work?



Existing Programs in Washington State



E-CYCLE
washington

COMPUTERS & TVs

- Launch: January 1, 2009
- More than 350 collection sites
- Over 363 million lbs. recycled
- More than 125 private-sector jobs created



LightRecycle
WASHINGTON

MERCURY-
CONTAINING LIGHTS

- Launch: January 1, 2015
- More than 220 collection sites
- Over 3 million lights recycled

Solar PV Modules



Passed 2017, will be established by 2020 for each region of the state.

Financing and Costs



COMPUTERS & TVs

- Cost Internalization.
- Covers costs of collection, transport, processing, promotion.
- Average cost per lb. about \$.28 now, compared to \$.35 for gov. programs in 2008.
- ~\$8.3M in 2017, ~\$98.16M overall.



MERCURY-CONTAINING LIGHTS

- Env. Handling Charge at point of sale = \$.95 each bulb or tube.
- PROBLEMS – technologies going extinct, government oversight of fee.
- Does not cover full cost of collection, just supplies, transport, processing.



Local Programs in Washington State



Pharmaceuticals

Established:

- King County
- Snohomish County

Passed and Coming:

- Pierce County
- Kitsap County
- Clallam County
- Whatcom County

We Need a State-wide Program!

HB 1047

Protecting the public's health by creating a system for safe and secure collection and disposal of unwanted medications.

<http://app.leg.wa.gov/billsummary?BillNumber=1047&Year=2017>



Programs Across Canada – Over 200

Stewardship Programs in Canada

- ★ In-Place (Regulated)
- ★ In-Place (Voluntary)
- Pending (Regulated)

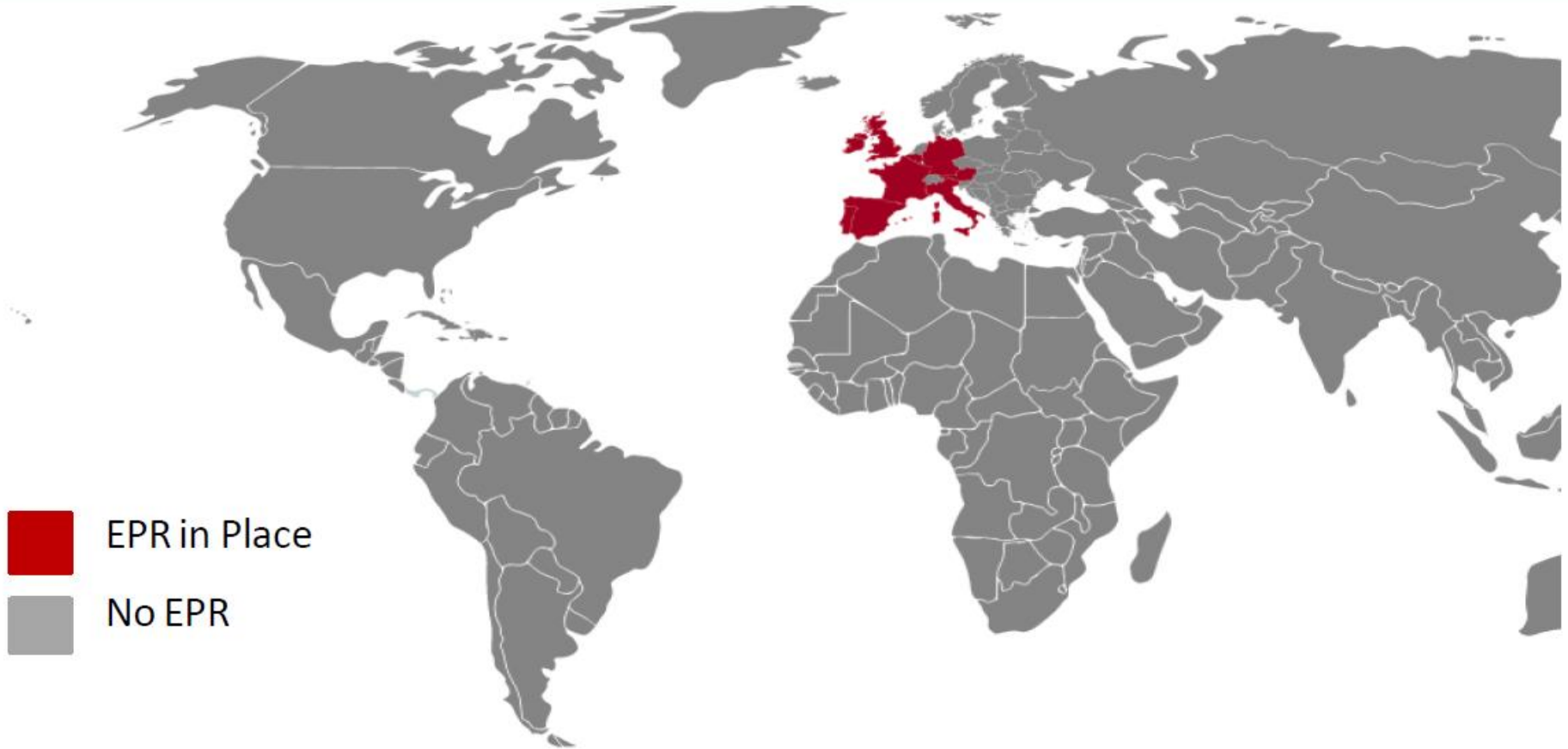
	Small Appliances	Oil	Tires	Organics	Beverage Container Deposits	Packaging & Printed Paper	Used Paint	Printed Materials	Electronics	Fluorents	Batteries	Household Special	Pharmaceuticals	Needles / Sharps	Autos	Milk Containers	Commercial Pesticide Cntrs	Agricultural bags & twine	Mercury Containing Equip	Cell Phones	Anti-freeze	Single-use retail bags
Newfoundland		★	★		★	●	★		★		★				★	●	●	★	★	★	★	
Nova Scotia		★	★	★	★	●	★	★	★		★		★	★	★	★	★	★		★	★	
New Brunswick		★	★		★	●	★		★		★		★		★	★	★	★	★	●	★	
P.E.I		★	★	★	★	★	★	★	★	★	★		★	★	★	★	★	★	★	★	★	
Quebec		★	★	●	★	★	★	★	★	★	★	●	★		★	★	★	●	★	★	★	
Ontario		★	★		★	★	★	★	★		★	★	★	★	★		★		★	★	★	
Manitoba	★	★	★			★	★	★	★	★	★	★	★	★	★	★	★		★	★	★	
Saskatchewan		★	★		★	★	★	★	★		★		★		★	★	★		★	★	★	
Alberta		★	★		★		★		★		★		★		★	★	★	★	★	★	★	
British Columbia	★	★	★		★	★	★	★	★	★	★	★	★		★	●	★		★	★	★	●
Northwest Territories					★				★							★				★		★
Yukon	●		★	★	★	★			●											●		

No regulated programs in Nunavut; Ontario - deposits on wine, liquor and beer only; MB - microwave ovens; Ink cartridges not regulated; Milk containers in BC part of Packaging & Printed Paper

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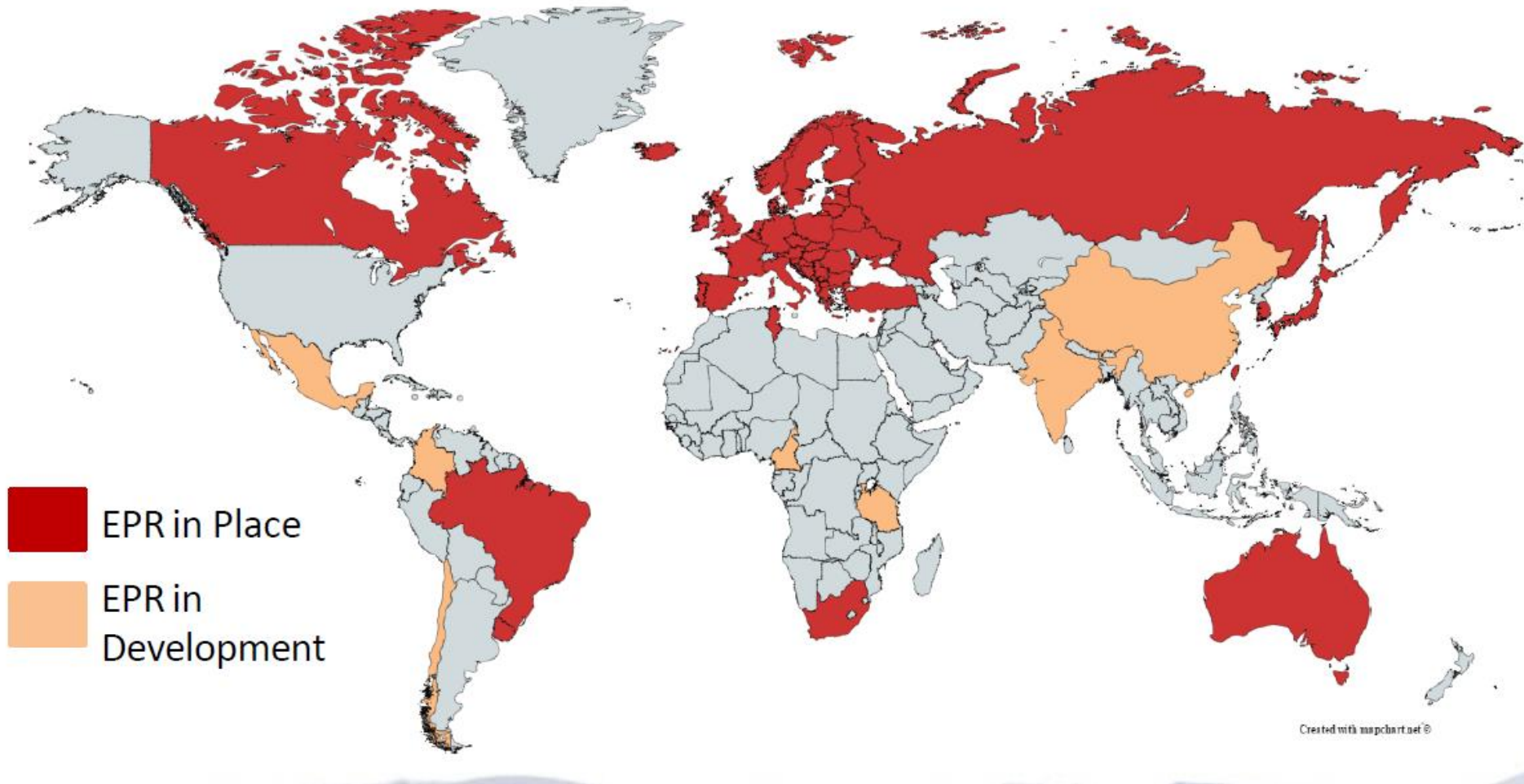
Packaging EPR in 2000



Note: First EPR Law was in Germany - 1992

Source: Victor Bell, EPI

Packaging EPR in 2015



Source: Victor Bell, EPI