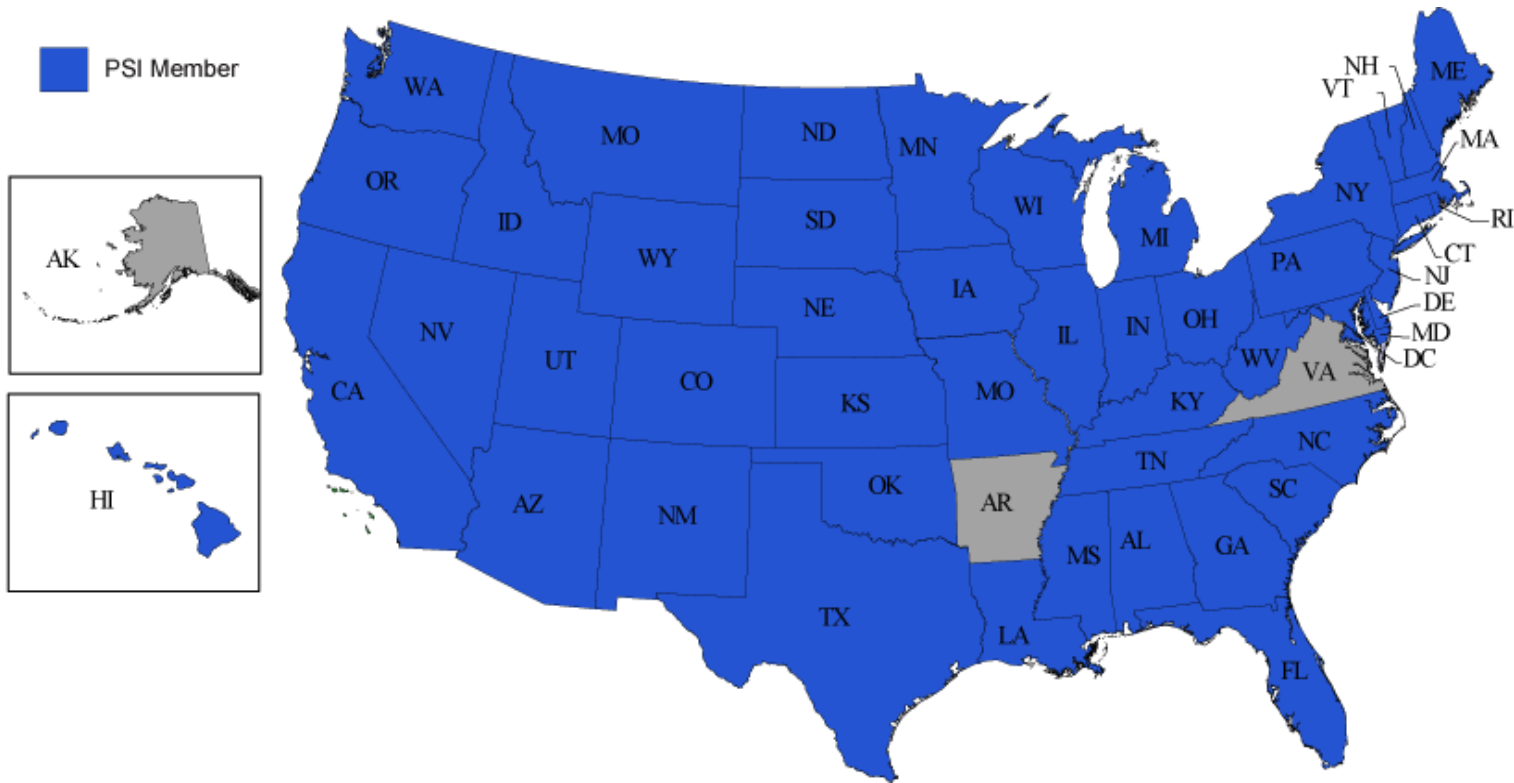


Product Stewardship in the US + Missouri

Missouri Recycling Association

September 10 – 13, 2018

who is the product stewardship institute?



- Members
- Partners
- Advisory Council
- Global PSC

some of our
partners
and
advisory
council
members:



our mission



reduce the
health & environmental impacts
of products across their lifecycle

product categories



batteries



pharmaceuticals



medical sharps



packaging



HHW



paint



mattresses



thermostats



phone books



electronics



fluorescent
lamps



textiles



PRODUCT
STEWARDSHIP
INSTITUTE

product categories



appliances
with
refrigerants



framework



tires



gas
cylinders



carpet



radioactive
devices



pesticides



auto
switches



solar
panels



used motor oil

internalize externalities

pay for damage
caused

prevent
damage

producer responsibility



PRODUCT
STEWARDSHIP
INSTITUTE

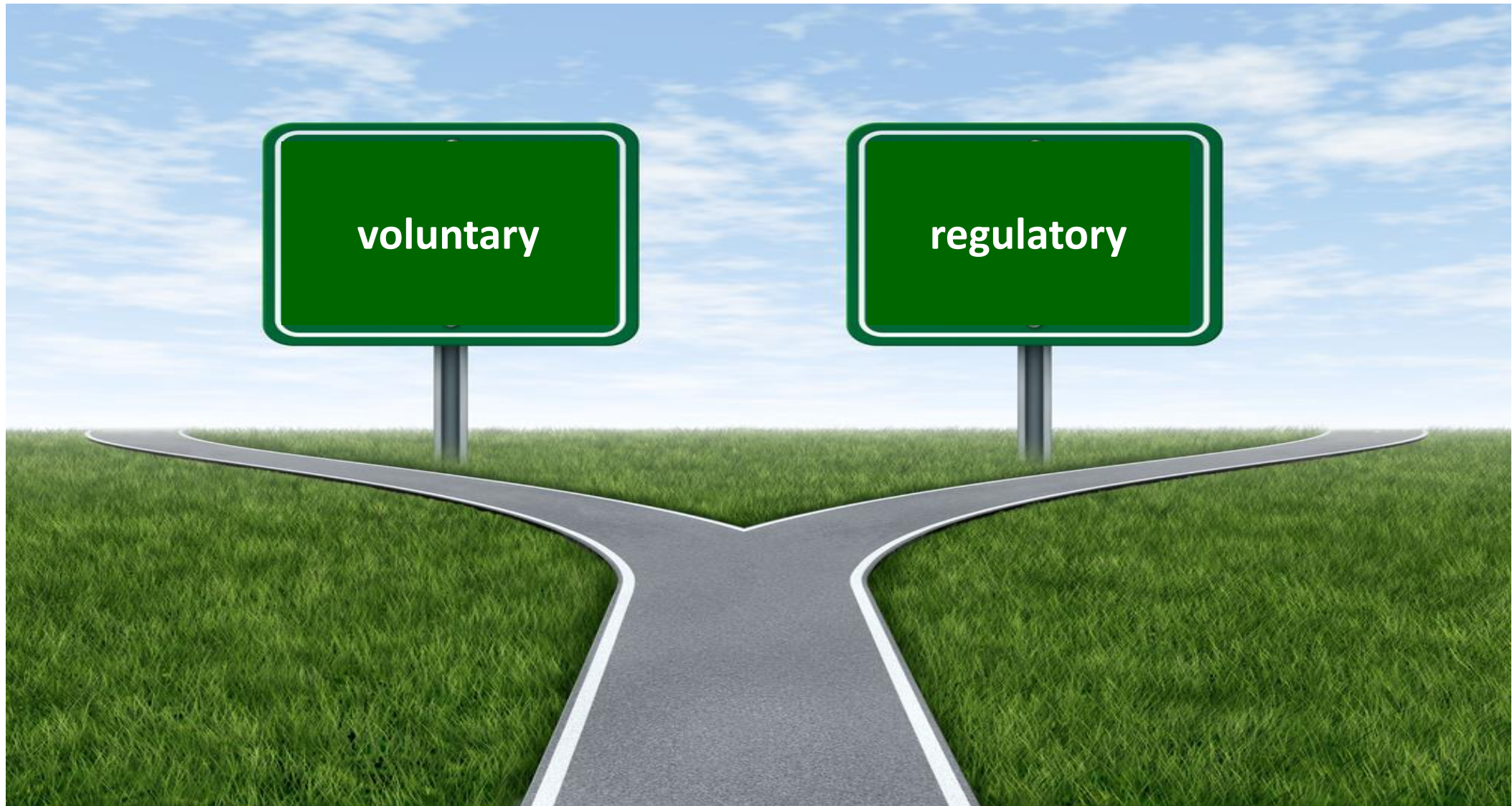
psi approach

problem

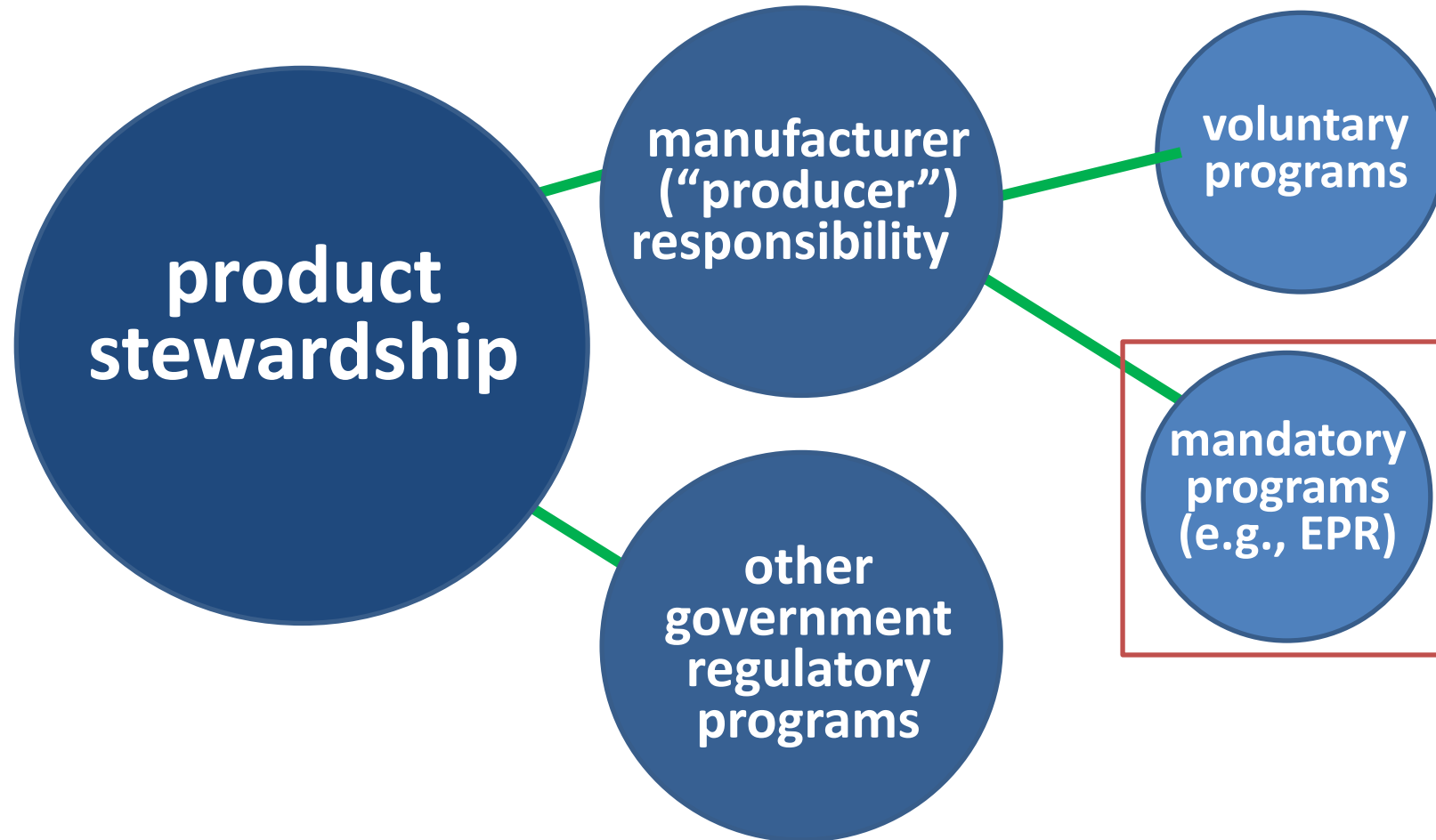
goals

barriers

solutions



product stewardship vs. EPR



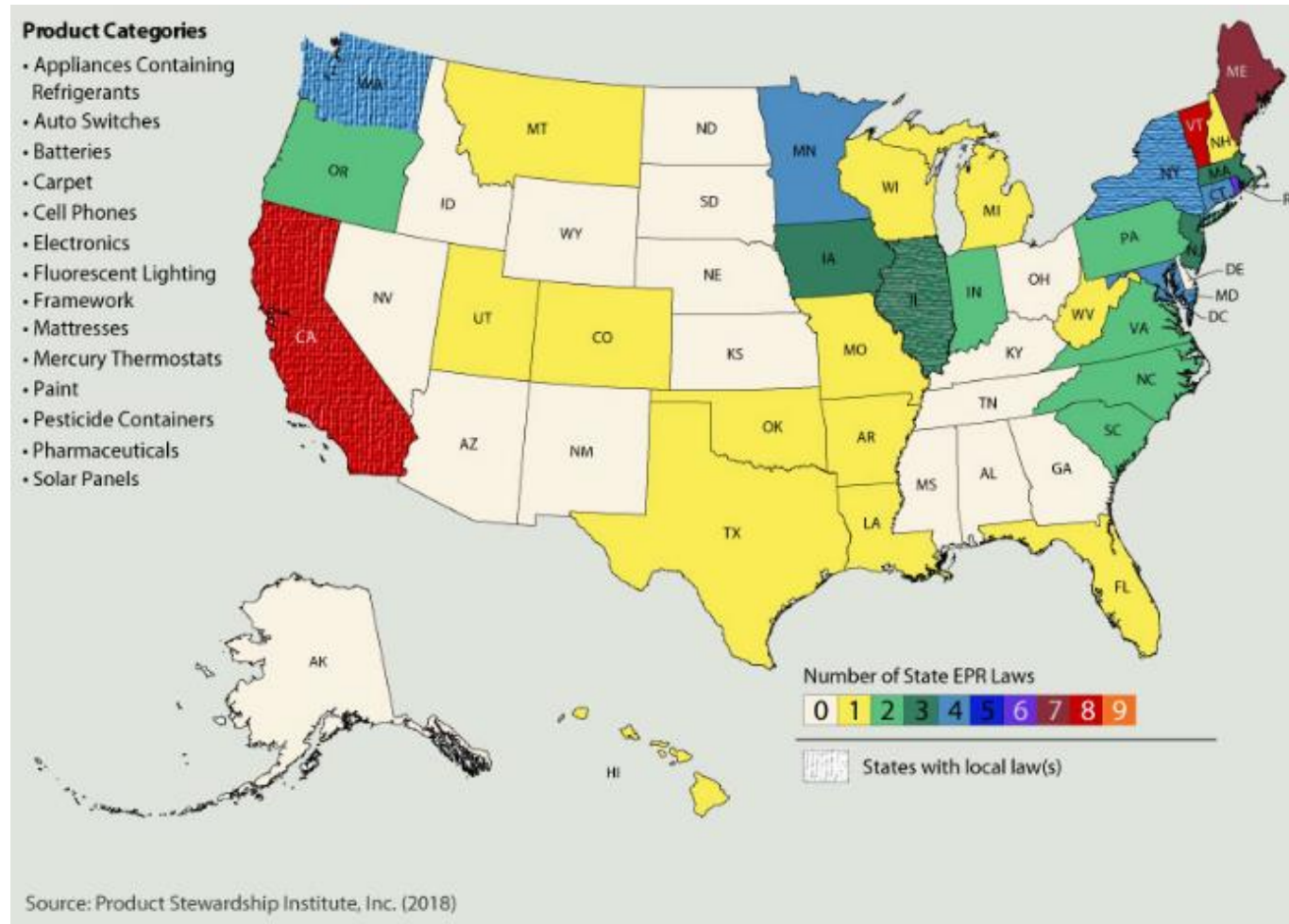


extended **p**roducer **r**esponsibility

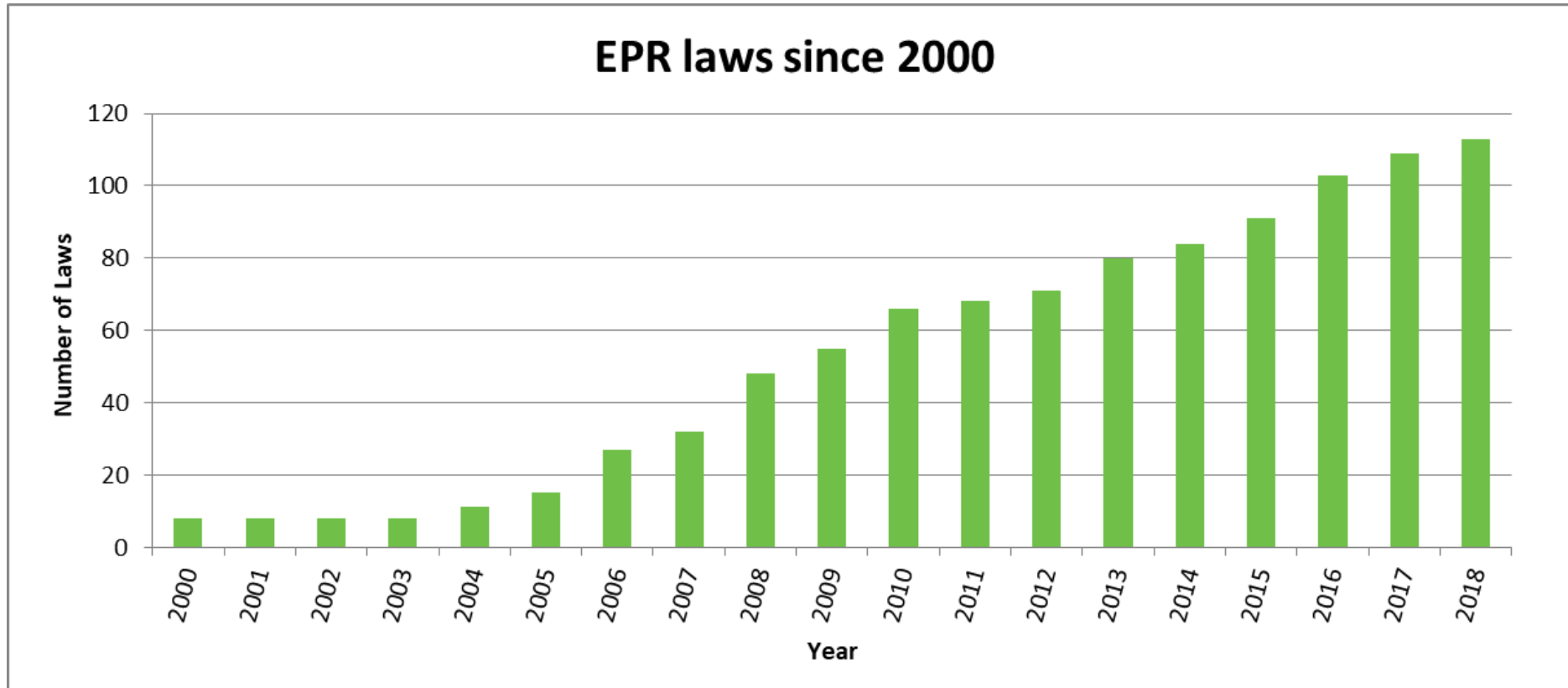


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STEWARDSHIP
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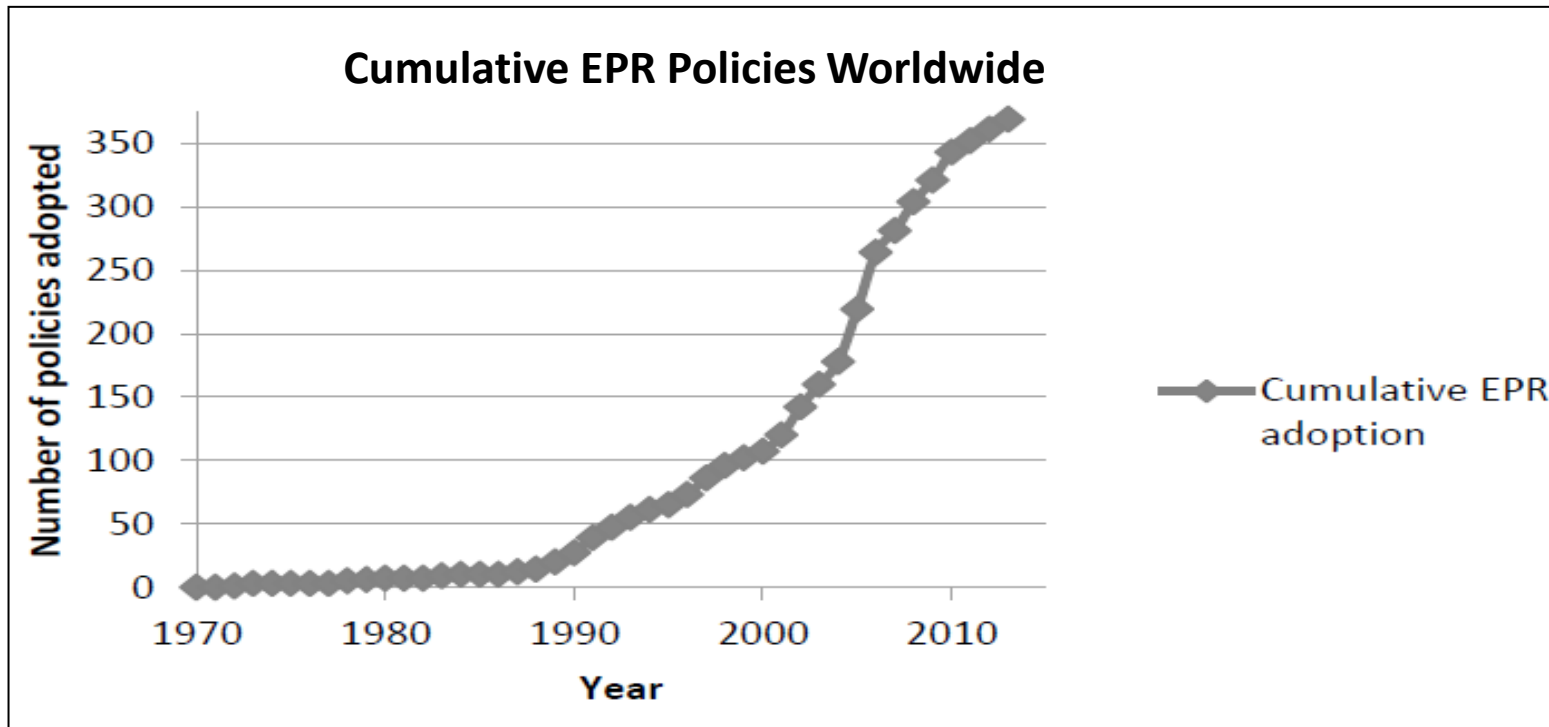
115 EPR laws in the U.S. - 2018



epr law trends in the U.S.



worldwide epr adoption



369 programs worldwide
(as of 2013)

59% of policies instituted
between 2000 and 2009

122 were in the U.S.

33% of worldwide
programs were in the
U.S. as of 2013

Source: *What have we learned about extended producer responsibility in the past decade? A survey of the recent EPR economic literature.* OECD, 2013.

example: paint



take



make



dispose



8 states + D.C.

25 million gallons collected
over \$69 million gov't savings

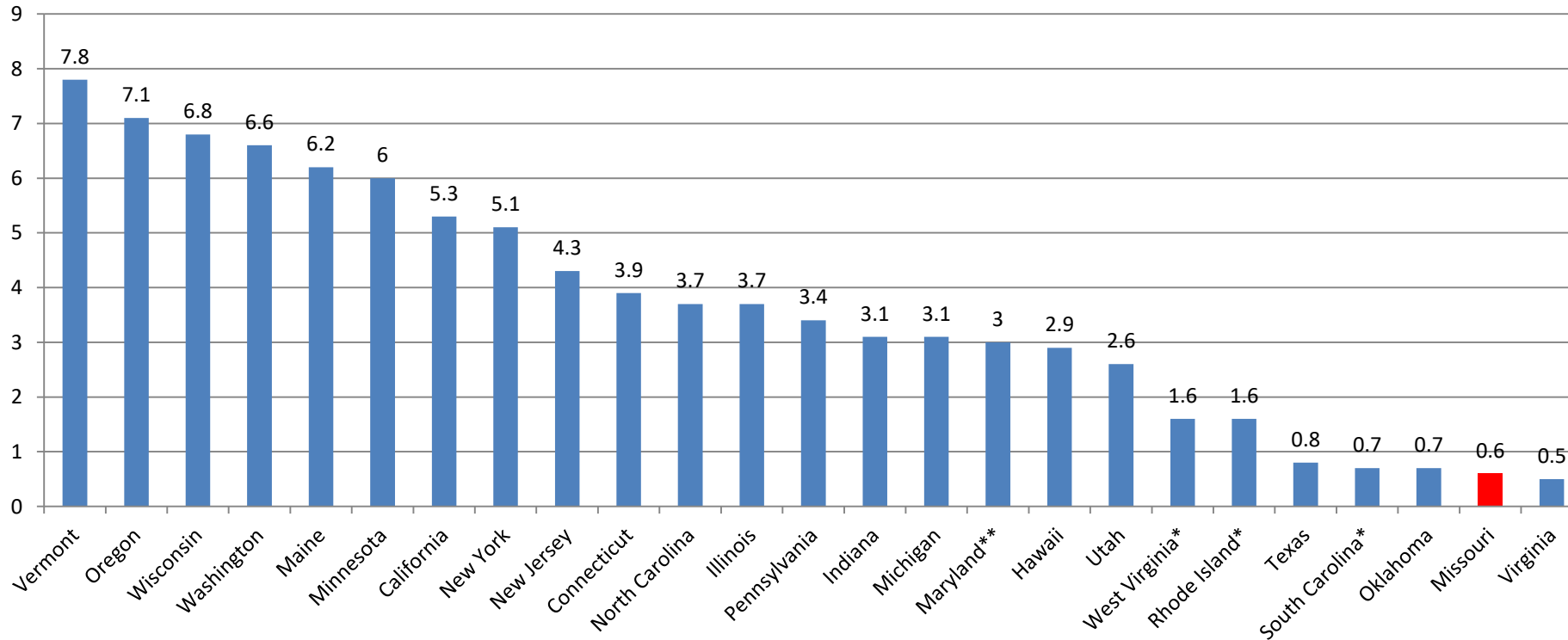
1,769 collection sites

increased consumer convenience
over 200 jobs in recycling



electronics

E-Scrap Collection in States with Recycling Legislation
Pounds per capita, 2013



Note: Chart presents available program performance data, but does not provide an “apples to apples” comparison, as the covered products and entities (i.e., residents, businesses, schools, etc.) vary from state to state.

Source: Electronics Recycling Coordination Clearinghouse

* 2012 data

** 2011 data

save \$13.5 million/year

- expand product scope
- set a convenience standard
- coordinating entity
- sustainable funding
- education/outreach





Packaging

the problem

current system is...

- **stagnant**
U.S. packaging recycling rate stagnant over past decade
- **fragmented**
patchwork of public collection programs leads to high levels of contamination and inefficient processes – increasing costs
- **underfunded**
municipal budgets are tight; costs are increasing – at least **\$30 million per year** spent to recycle packaging in state of Connecticut → **3.6 million population**
- **difficult markets**
china's restriction on recyclables



plastics reduction

legislative



voluntary



www.productstewardship.us/RestaurantGuide

while system **optimization** is critical for increasing material recovery, epr can be a **game changer**.

- *voluntary programs*
- *disposal bans*
- *pay-as-you-throw*
- *beverage deposit laws*
- *greater program enforcement*
- *more education*



επι



household hazardous waste (HHW)



government HHW programs are
very costly

existing funding mechanisms include:

- taxpayers
- user fees
- state grants

INSUFFICIENT



U.S. EPR for HHW efforts in **VT, OR, Canadian provinces**



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policies & programs

- research, pilot projects, and evaluation
- facilitation and consensus building
- **build product stewardship capacity** through education and empowerment
- legislative technical assistance, analysis, lobbying, and stewardship models

inspired to take action?

join the

MO product stewardship council



let's continue
the conversation



Thurs 9/13 11:45 am

thank
you!

scott cassel

ceo + founder

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