



THE SCRAP TIRE RESEARCH AND
EDUCATION FOUNDATION, INC.

Legislative and Regulatory Update: Tire Recycling Frameworks & Success Factors



May 16th, 2024

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Chair, CATRA*

Let's get our bearings..



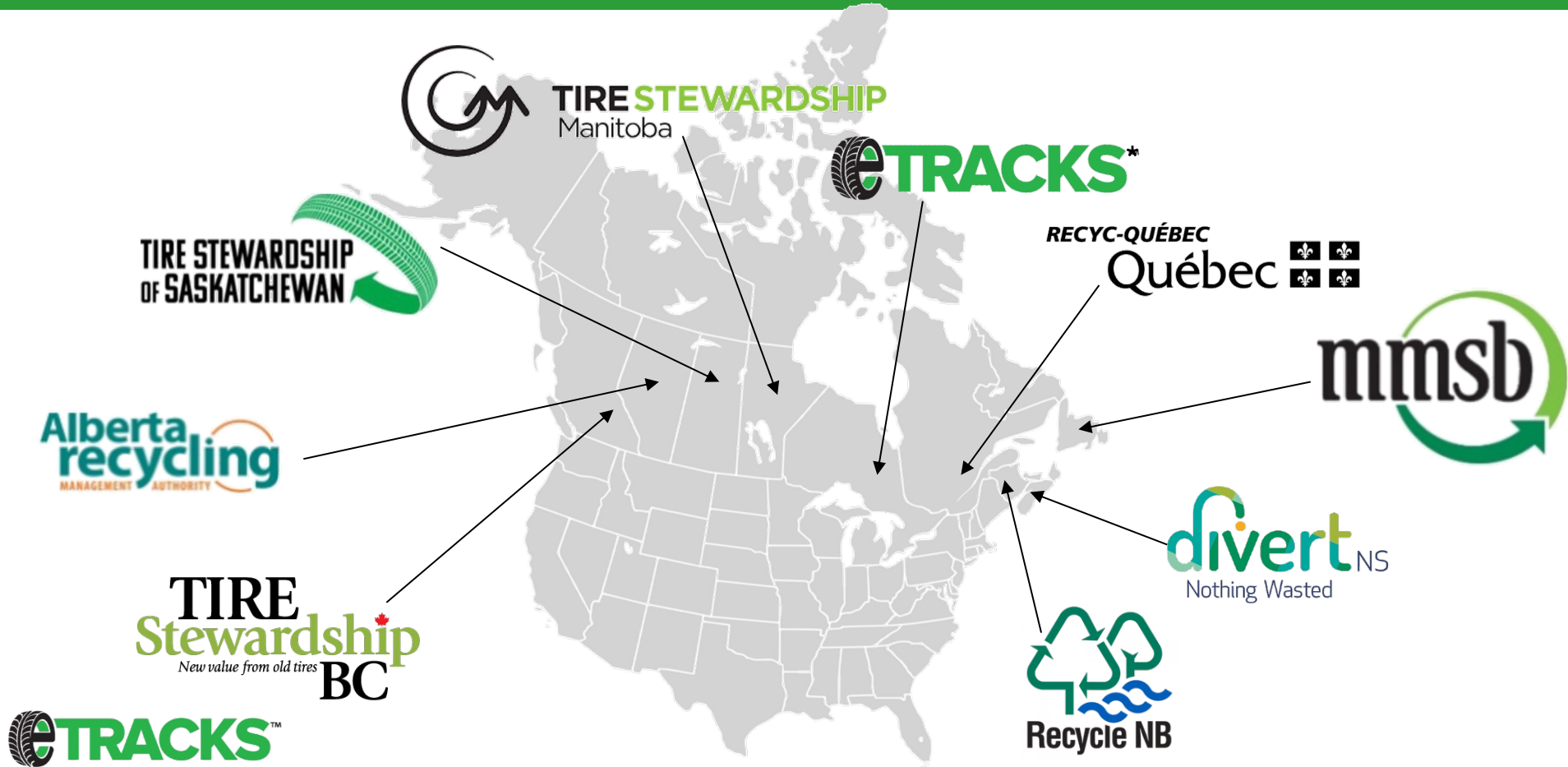
Let's get our bearings..



About CATRA...

- Joint Venture consisting of 10 provincial tire recycling entities, including Stewardship Organizations, Producer Responsibility Organizations and government agencies
- CATRA's mission is to enhance the effectiveness of each Member's program through the sharing of information, expertise and resources
- Committed to a clean environment by enhancing value for its Members and creating a sustainable, positive value for end-of-life tires in Canada

Let's get our bearings..

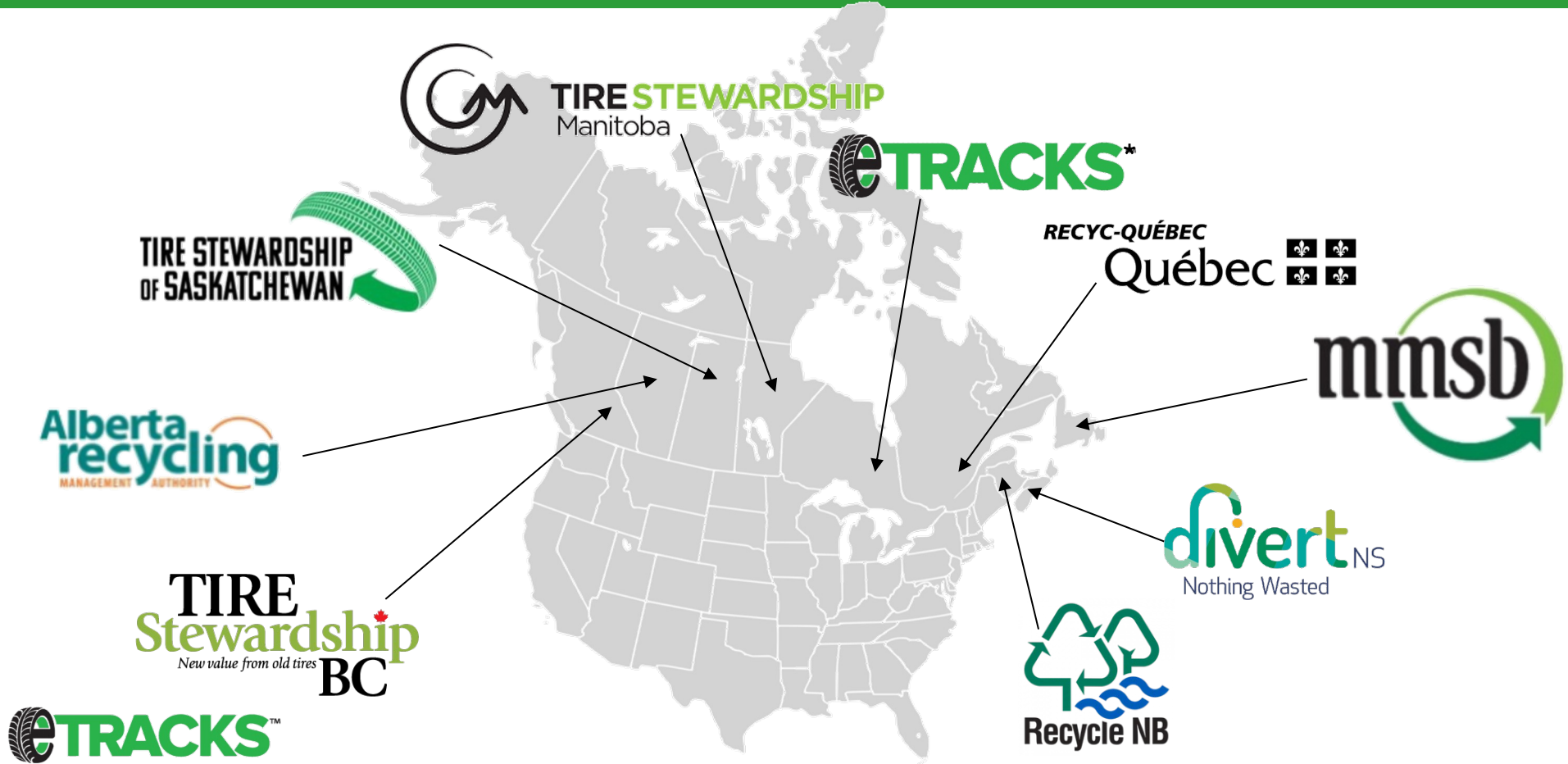


About eTracks...

- Canada Not-For-Profit Corporation governed by an independent Board of Directors
- Originally created by the Tire and Rubber Association of Canada (TRAC) to meet the needs of its members and other obligated tire producers under the RRCEA
- Largest tire PRO in Ontario (~13M PTE or ~143,000 tons Collected and Processed)
- Focused on the responsible and ethical recovery of used tires to ensure tire producers meet their collection and resource recovery targets.
- PRO services include: a) establishing and operating a compliant collection system (i.e. pickup, hauling, delivery of end of life tires), b) processing (crumbing, retreading, reuse of EOL tires) and c) reporting for the largest tire manufacturers, importers and OEM's



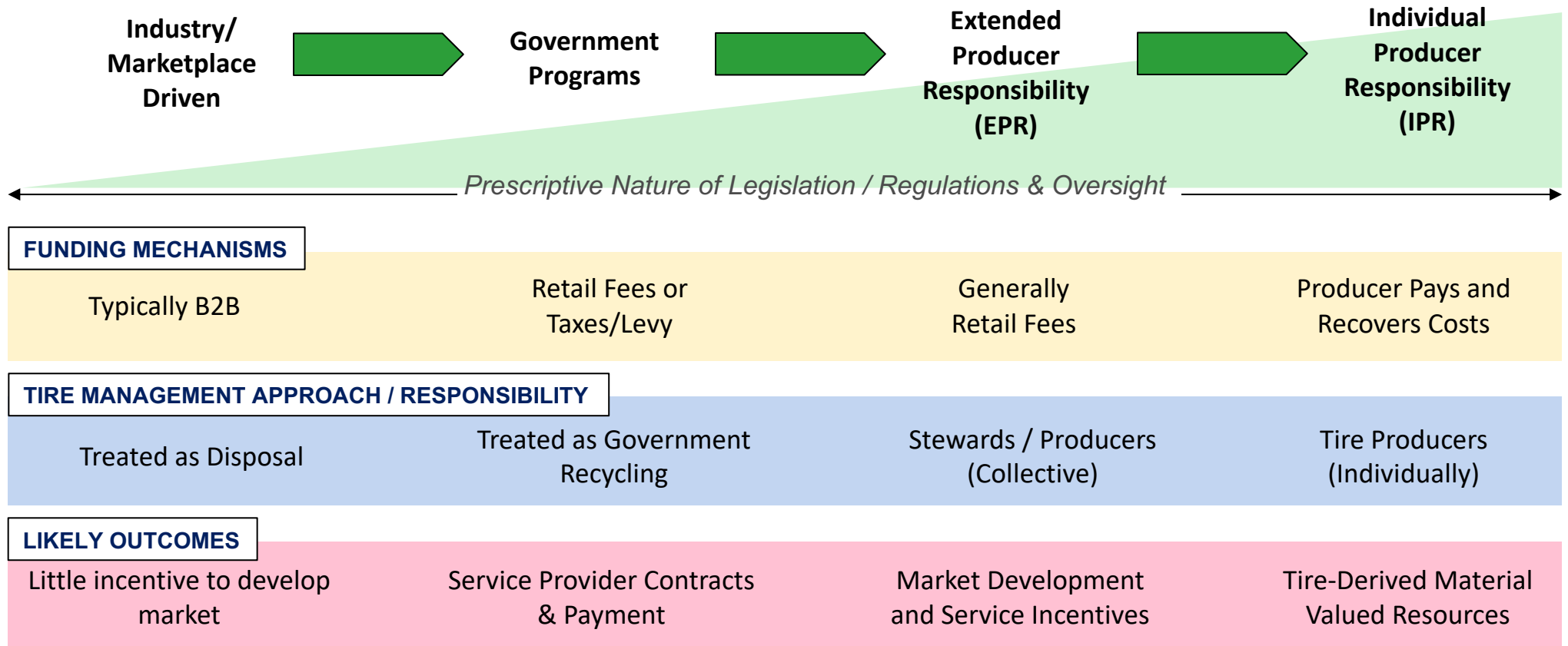
CATRA Members



CATRA Members



Different types of Tire Recycling Programs



Note: these are generalization as each regulatory regime is developed to address specific regions

Different types of Tire Recycling Programs

									
Industry/ Marketplace Driven									
Government		<input type="checkbox"/>				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Extended Producer Responsibility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individual Producer Responsibility					<input checked="" type="checkbox"/>				

Key Elements of Programs & Harmonization

What is a Tire?

- On-Road Tires: PLT, MT
- Off the Road (OTR) on Vehicles: construction, mining/forestry, ATVs,
- Other OTR: Bike, Industrial, Aviation, Power Washers, Snow Blowers, Lawnmowers
- Pneumatic only or solid resilient

Who/What is a Producer or Steward?

- Retailer
- Tire Manufacturer
- Equipment Manufacturer with Tires
- Importer of tires or equipment
- Within State or USA

What are acceptable end markets?

- Landfill, Burning, Daily Cover
- Tire Derived Fuel
- Sport field infill
- Crumbing and rubber moulded products and packaging
- Retreading and blasting mats
- Reuse
- Rubber modified asphalt
- Pyrolysis

Key Elements of Programs & Harmonization

Performance Metrics

- Annual Diversion Rate (units or weight of tires collected / units or weight of tires sold annually)
- Lifetime Diversion Rate (units or weight of tires collected / units or weight of tires sold 3-5 years prior)
- Resource Recovery Rate (weight of TD product sent for beneficial use / weight of tires collected annually)
- Program Cost per Capita
- Program Revenue per Capita
- Public awareness changes over time
- Collection Site Accessibility

Questions

