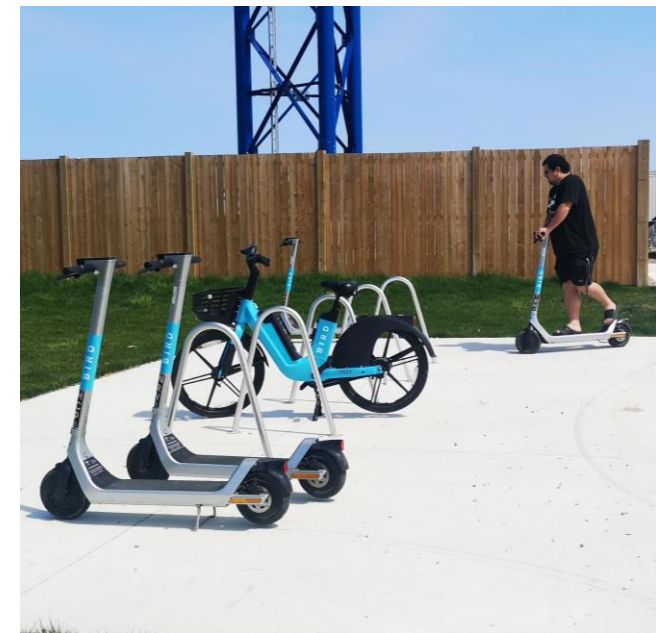
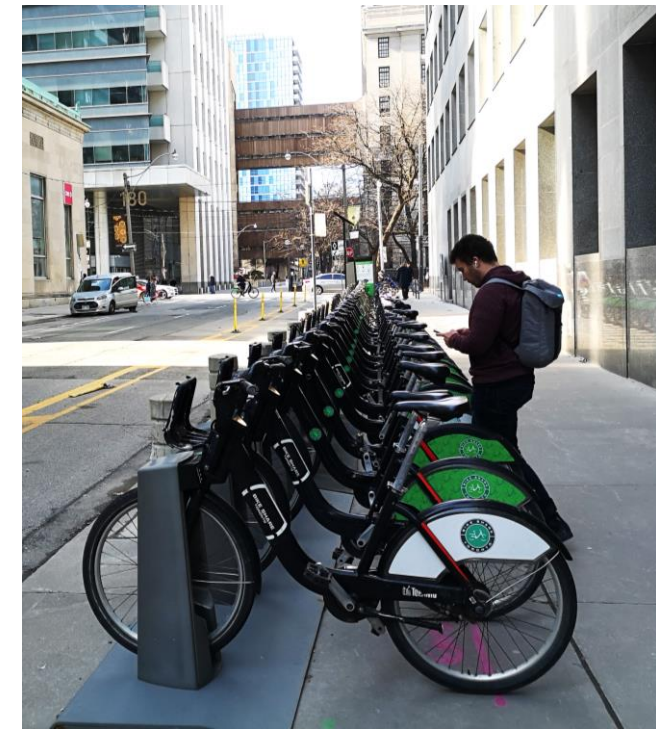


# Shared Micromobility Services in Canadian Communities

April 30, 2025



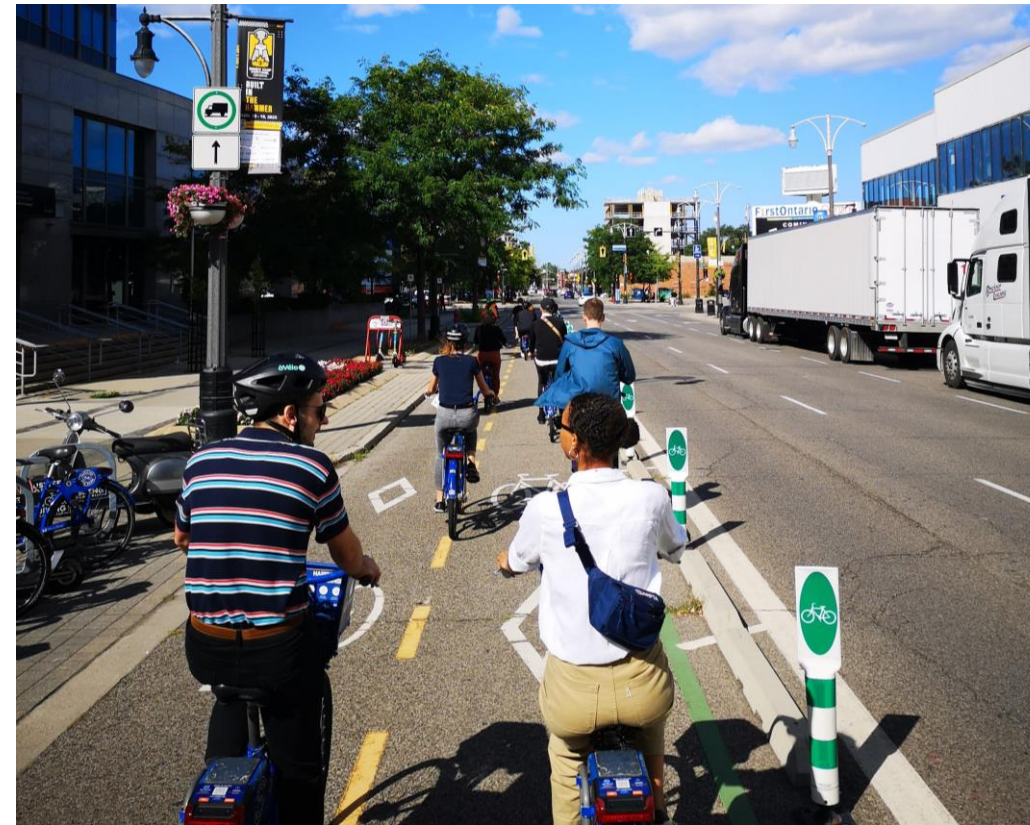


# WHAT IS SHARED MICROMOBILITY?

## Fleets of publicly available vehicles



- Typically for under 1 hour of use
- Payment options for regular and casual users
- Can end trip in different location from where trip was started
- Different from bike rental and library programs (one-way trip)



# COMMON MICROMOBILITY VEHICLES

## • Bike



- Fully human powered
- Weighs 15 to 25 kg
- Speeds of 16 to 20 km/h

## • E-bike



- Electric motor supports pedalling
- Weighs 25 to 40 kg
- Speeds up to 32 km/h but typically lower

## • E-scooter



- Electric motor fully powers
- Weighs < 23 kg
- Speeds up to typically 24 km/h



# VEHICLE PARKING MODELS



• Docked



- Vehicle locked in docking point
- Modular stations
- Can be capable of re-charging vehicles



• Lock-to



- Locking mechanism on bike
- Flexibility – Can be locked at station or to other fixed object



• Dockless



- Vehicle locks itself
- Parking locations regulated by rules/tech
- Hubs as option to create stations

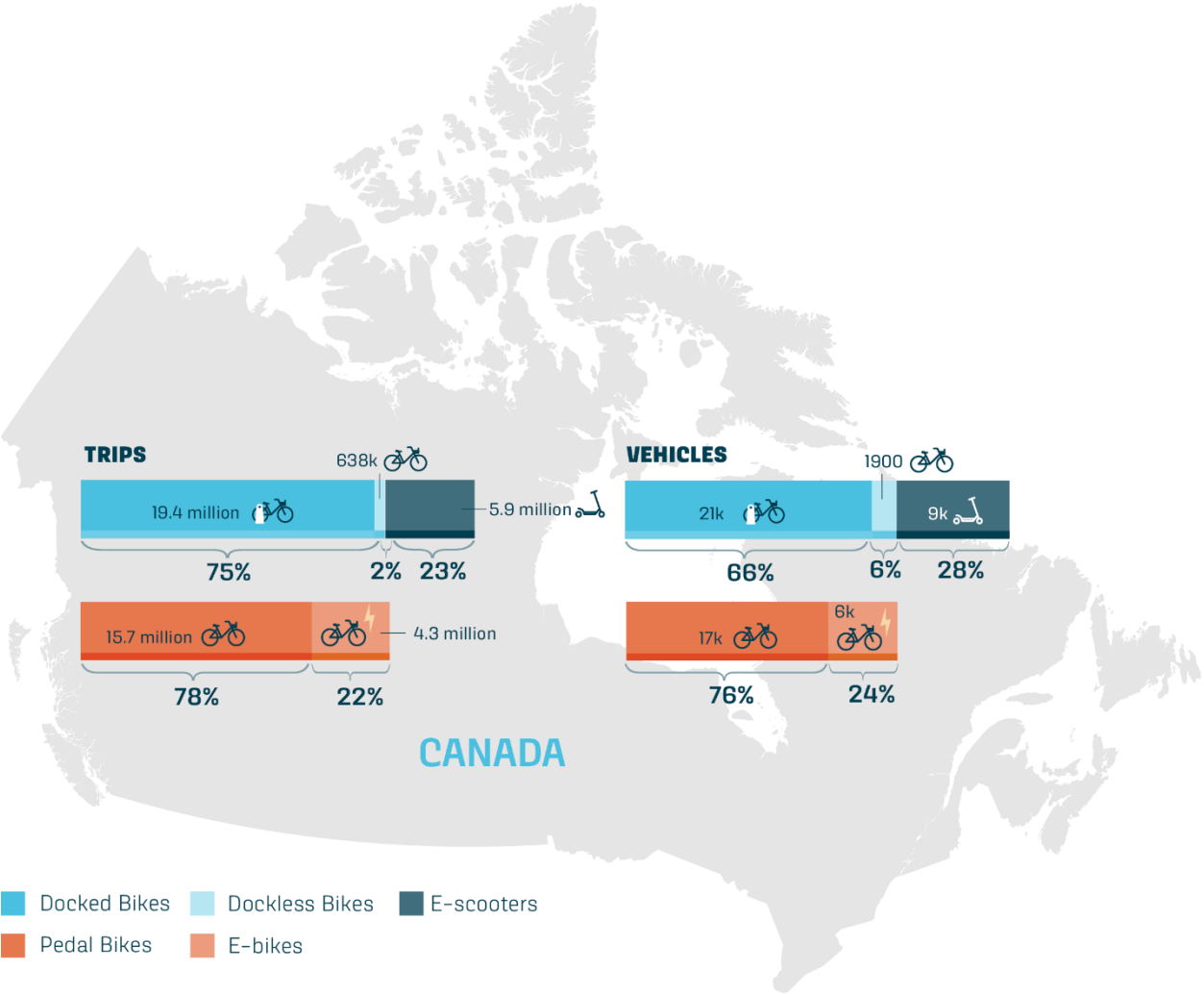
# SHARED MICROMOBILITY IN CANADA

There were

25.9 Million

trips made on shared micromobility vehicles in Canada in 2023

NABSA 2023 State of the Industry report



■ Docked Bikes ■ Dockless Bikes ■ E-scooters  
■ Pedal Bikes ■ E-bikes

# INVENTORY

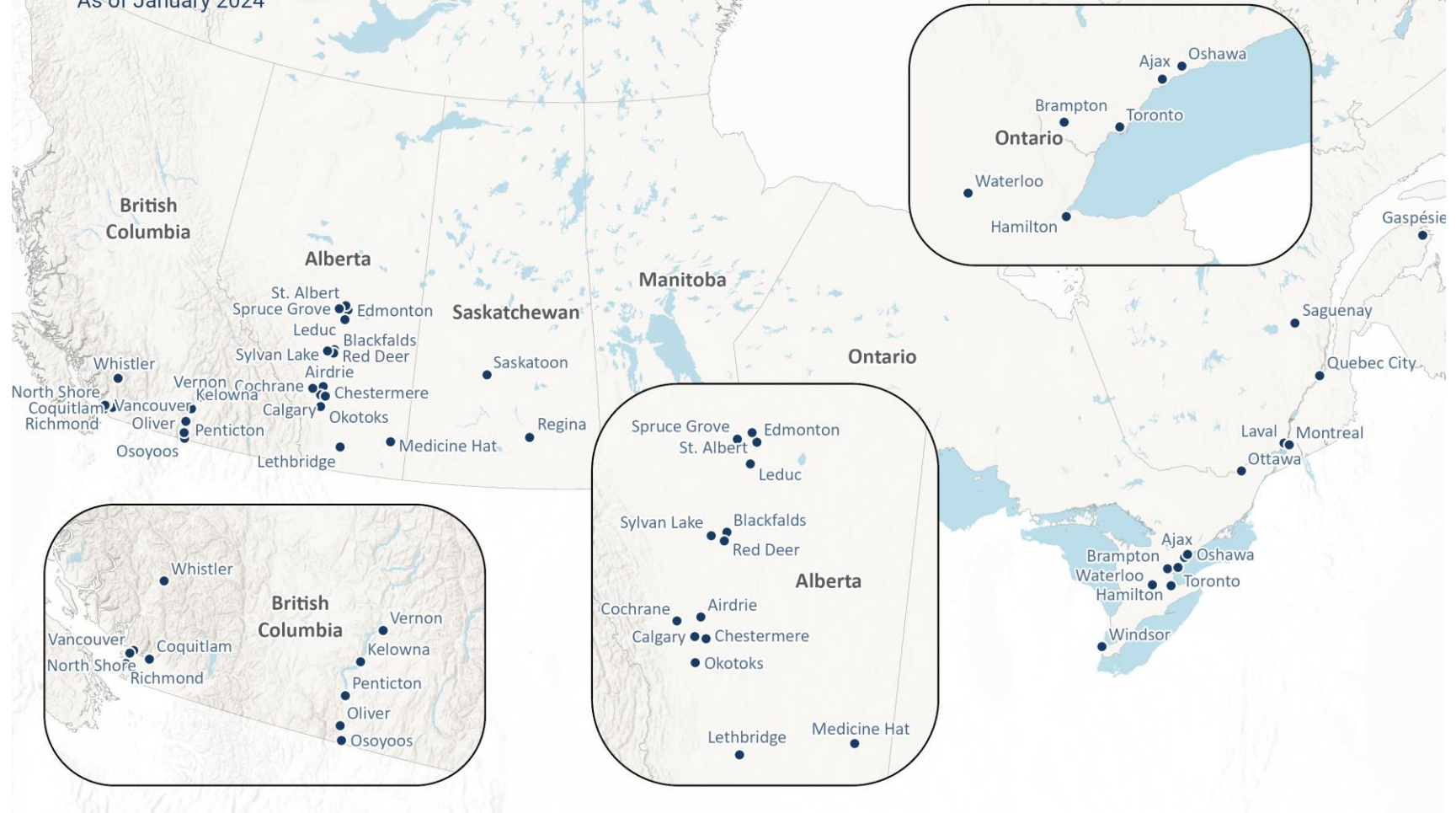


The project identified **39 communities** with shared micromobility services in Canada

- Documented past and planned programs
- Collected basic information about each program

## Shared Micromobility Programs Across Canada

As of January 2024



## TYPICAL DELIVERY MODELS

Open

Managed

Public Backing



Less municipal control  
No upfront public agency costs

More municipal control  
Public agency investment or support



# KEY TOPICS

## List of Key Topics

Goals and  
Objectives

Delivery  
Models

Vehicle  
Parking

Vehicle  
Types

Accessibility  
Impacts

Equity  
Initiatives

Transit  
Integration

Operational  
Parameters

Enforcement

Liability  
and Risk  
Assessment

Evaluation

In the report for each **key topic**, there are the following sections:

- Observed Approaches
- Guidance
- Implications and Considerations



## KEY TAKEAWAYS

So, what does it all mean?

### Themes

- 1** Delivery models
- 2** Maximizing benefits
- 3** Fitting into communities
- 4** Regulations and their impacts
- 5** Future readiness

# THANK YOU

Download the full report for free at:

<https://www.tac-atc.ca/en/knowledge-centre/technical-resources-search/publications/ptm-smmscc-e/>