

NUMO Quarterly Snapshot Report



New Urban
Mobility
alliance

March 24, 2020
NUMO Quarterly Update





Photo: Metro Transportation Planning & Development/Flickr

Contents

Alliance Overview	3
COVID-19 Response	4
Emerging Impacts & Actions	5
Emerging Stakeholder Responses	6
U.S. Stimulus Package	7
Tracking On-the-Ground Micromobility Changes	8
Micromobility Data Use Cases Working Group	9
Periodic Table of Mobility	10



Photo: Ryoji Iwata/Unsplash

ALLIANCE OVERVIEW

NUMO ALLIES

Shared Mobility Principles

Endorsers: **180**

NUMO Allies: **137***

Investment Leveraged through Joint

Work with Allies: **\$16.5 million**

ALLIANCE WORK

- ▶ **9 Pilots**
- ▶ **6 Working Groups**
- ▶ **4 Tools**
- ▶ **5 Platforms**
- ▶ **3 Guides**

**NUMO Allies collaborate with us on pilots, participate in working groups and co-develop tools, platforms and guides.*

Pilots:

- ▶ **Bogotá** (led by District Secretariat of Mobility)
- ▶ **Curb pilots** (via T4A's Smart Cities Collaborative)
 - **Bellevue**
 - **Boston**
 - **Minneapolis**
- ▶ **Detroit**
- ▶ **Guadalajara** (led by GoMetro & GIZ)
- ▶ **King County** (led with Stuart Cohen)
- ▶ **Pittsburgh** (led by DOMI)
- ▶ **Washington, D.C.** (led by Greater Greater Washington & NRDC)

Working Groups:

- ▶ **Micromobility:**
 - **Behavior Research** (led by U Leeds & UC-Davis)
 - **Energy Impact Research** (led by IEA)
 - **Data Use Cases** (led with Russ Brooks)
- ▶ **Federal Policy Alignment** (led by T4A)
- ▶ **Re-Thinking Market Entry** (led by CityMart)
- ▶ **Redefining Vehicles & Streets**

Tools:

- ▶ MoMobility Urban Transformation Game
- ▶ Periodic Table of Mobility
- ▶ Streetmix Improvements
- ▶ Trusted Data Exchange (led by SharedStreets)

Platforms:

- ▶ edX Course: May - July 2020 (led by MIT)
- ▶ The NEXUS (led by Urbanism Next)
- ▶ NUMO New Mobility Atlas
- ▶ Urbanism Next:
 - U.S. (virtual)
 - Europe (with Polis, Urbanism Next & TNO)

Guides:

- ▶ **Urban Bikeway Design Guide 3.0** (led by NACTO)
- ▶ Spanish translation of the **T4A Shared Micromobility Playbook**
- ▶ **Accessibility Guide** (led by T4A)



COVID-19 RESPONSE

Emerging Impacts & Actions

U.S. Stimulus Package: T4A

**Tracking On-the-Ground Changes: New
Mobility Atlas**

EMERGING IMPACTS & ACTIONS

► Cities & Transit:

- As [ridership drops](#), some agencies cut fares (CityLab)
- Seattle establishes [temporary loading zones](#) to support take-out and delivery (Seattle Dept. of Transportation)
- Bogotá expands [cycling network](#) (Smart Cities World)
- [Cycling booms](#) in New York City (New York Times)

► Labor & the Future of Work:

- Microsoft Teams gains [12 million new users](#) in a week (New York Times)
- UK budgets £500 million fund for [gig workers](#) (The Independent)
- [Free rail travel](#) for National Health Service staff across Wales (BBC)
- Amazon to hire [100,000 warehouse and delivery workers](#) (Wall Street Journal)

► New Mobility:

- Uber & Lyft [suspend pooled ride services](#) in the U.S. & Canada to reduce the spread of coronavirus (CNN Business)
- [Will e-scooters survive](#) the COVID-19 crisis? (Smart Cities Dive)
- [No-contact food delivery](#) (Reuters)

EMERGING STAKEHOLDER RESPONSES

Advice for Public Transit:

- ▶ [Webinar](#) (recorded) on Shenzhen Bus Group's experience combatting COVID-19, hosted by TUMI
- ▶ Resources for agencies by TUMI ([English](#), [Spanish](#)), [UITP](#) and [TransitApp](#)

Analysis & Trackers:

- ▶ Transit Center estimates [\\$26-38 billion loss annually](#) for U.S. transit agencies
- ▶ [Declining transit ridership stats](#) by TransitApp
- ▶ [Live transportation sector updates](#) by Intelligent Transport

Teleworking:

- ▶ NUMO's telework policies survey ([English](#), [Spanish](#))

Emerging Coalitions:

- ▶ [Letter](#) supporting emergency federal assistance for public transit led by T4A and other partners
- ▶ [COVID Action Platform](#) to protect livelihoods and facilitate business continuity led by the World Economic Forum and the World Health Organization
- ▶ [MOVID19 Hackathon](#) in Bogotá to find public transit solutions



Photo: Can Pac Swire/Flickr

U.S. STIMULUS PACKAGE

Transportation for America (T4A) and other partners have led a group of more than 220 stakeholders to send a [letter to congressional leaders in support of emergency assistance for public transit agencies](#) in the anticipated U.S. federal stimulus package.

NUMO is also partnering with T4A to coordinate stakeholders around a federal policy agenda and provide subject matter expertise to legislators.

Key topic areas for the broader policy agenda include:

- ▶ Land use policy
- ▶ Infrastructure investment
- ▶ Safety
- ▶ Measuring progress through access to jobs and services

If you are interested in getting involved, please contact **Scott Goldstein** (scott.goldstein@t4america.org) and **Tamar Shapiro** (tamar@numo.global).



Photo: Portland Bureau of Transportation/Flickr

TRACKING ON-THE-GROUND MICROMOBILITY CHANGES



The NUMO New Mobility Atlas tracks changes in the availability of shared micromobility services across the globe. The above images are visualizations of mobility service operators in Washington, D.C. as of March 2020 (left) and after April 1, 2020 (right) when the city's shared dockless vehicle regulations go into effect.

The [NUMO New Mobility Atlas](#) is an open-source platform that maps the proliferation of shared micromobility services — dockless scooters, bicycles and mopeds — in cities around the world.

Over the next few weeks, NUMO will be tracking changes in operations to understand the resiliency of the micromobility market and how cities are responding. [Help us by submitting an update here!](#)

Thank you to contributors from:

- Grin
- MaaS Latin America
- OurStreets
- Populus
- Roadify
- Shared-Use Mobility Center
- SinTrafico
- Smoove
- Wheeling Mobility
- World Resources Institute



Photo: Metro Transportation Planning and Development/Flickr

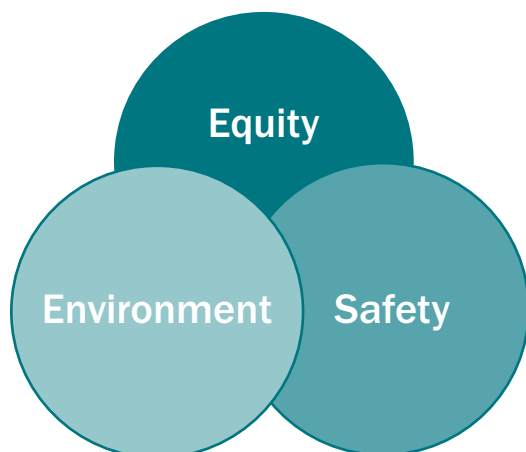
MICROMOBILITY DATA USE CASES WORKING GROUP

Micromobility operators are being required to share usage data for trips taken on their platforms. How these data should be used is a question cities and operators are actively working to understand.

We believe micromobility can help cities achieve their goals. But to have any chance of success, these goals must be defined and progress toward them measured.

The focus of this group is to develop a **data use cases guide** to cut through the noise and uncover actionable insights from micromobility data. We anticipate the first product from the group to be available in April 2020.

High-Level Goals



Leads:

- ▶ Russ Brooks
- ▶ Sebastian Castellanos, **NUMO**
sebastian@numo.global

Thank you to contributors from:

- ACLU
- Arlington County
- Bird
- City of Minneapolis
- City of Oakland
- City of Santa Monica
- City of Toronto
- Grow Mobility
- Institute for Transportation & Development Policy
- JUMP/Uber
- Lyft
- Open Mobility Foundation
- Populus
- Remix
- Roadify
- SAE International
- Secretaría de Movilidad de la Ciudad de Mexico
- Shared Streets
- Toole Design
- TransForm
- United States Department of Transportation
- University of Tennessee
- Urban
- Washington, D.C. Department of Transportation
- World Resources Institute

PERIODIC TABLE OF MOBILITY

Vehicle profiles

A policy guidance tool by NUMO

This platform helps assess the impact of any vehicle (existing or hypothetical) depending on its attributes. There are pre-loaded values that you can choose to learn the policy implications of existing vehicles. You can add customized characteristics, or create new vehicle types as well. [Learn why this tool exists and how to offer feedback.](#)

Input vehicle attributes

Please choose from the drop-down menu at the bottom or input specific vehicle attributes.

Select pre-loaded vehicle

Vehicle name (optional) E-scooter

Maximum capacity 1

Weight 12

kg

Top speed 25

km/h

Space occupied 0.463

m²

Emissions 0

CO₂ g/km

ILL-Health 2

MET



Save profile



This vehicle is not likely to be harmful

Policies should be aimed at promoting its use. Consider allocating more space to them, don't request too much data from operators, don't require a license to operate, and consider subsidizing their usage.



The [Periodic Table of Mobility](#) is an open-source tool built to assess the impact of any vehicle (existing or hypothetical) based on its attributes.

Use the pre-loaded values to learn the policy implications of existing vehicles, or add customized characteristics to create new vehicles. Download and share your creations!

[Test and provide feedback here!](#)

Thank you to contributors:

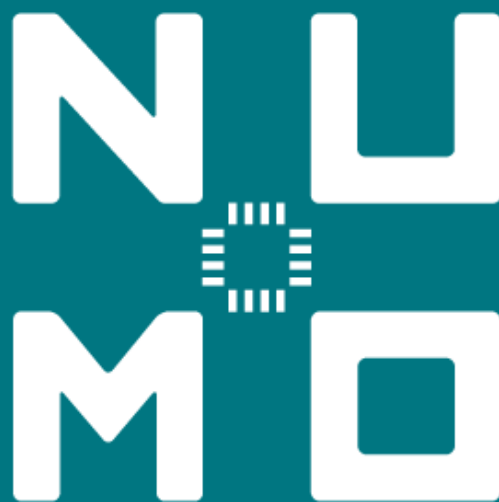
- ▶ Philippe Crist, ITF-OECD
- ▶ Lou Huang, StreetMix
- ▶ Colin Hughes, JUMP/Uber
- ▶ Sunny Kodukula, SUTP
- ▶ Bill Mitchell, Public Relay
- ▶ Timothy Papandreu, Emerging Transport Advisors
- ▶ Louis Pappas, Bird
- ▶ Benjamin de la Peña
- ▶ Paul Salama, ClearRoad
- ▶ Mitch Turck

Thank You

Be on the lookout for an invite to NUMO's next quarterly update call in **June 2020**.

If you would like us to invite any of your colleagues to the next call, please contact **Jyot Chadha** (jyot@numo.global) or **Leanne Kaplan** (leanne@numo.global).

Follow us on Twitter [@NUMOalliance](https://twitter.com/NUMOalliance).



New Urban Mobility alliance