

NUMO Quarterly Snapshot Report



New Urban
Mobility
alliance

July 22, 2020
NUMO Quarterly Update





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Photo source: New York City
Department of Transportation/Flickr

ALLIANCE OVERVIEW

NUMO ALLIES

Shared Mobility Principles

Endorsers: **190**

NUMO Allies: **147***

Collaborative Investments with
Allies (January 2019 - July
2020): **\$24 million**

ALLIANCE WORK

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

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

ALLIANCE OVERVIEW

PILOTS:

- ▶ **NEW:** [Bogotá e-bicycles for healthcare workers](#) (led with the City of Bogotá, Despacio & MUVO)
- ▶ **NEW:** [Detroit mobility for essential workers](#) (led by Detroit's Office of Mobility Innovation, NextEnergy, MoGo, Spin & General Motors)
- ▶ **Curb pilots** (via T4A's [Smart Cities Collaborative](#))
 - Bellevue
 - Boston
 - Minneapolis
- ▶ **Guadalajara** (led by GoMetro & GIZ)
- ▶ **King County** (led with Stuart Cohen)
- ▶ **Pittsburgh** (led by Pittsburgh Department of Mobility & Infrastructure)
- ▶ **Washington, D.C.** (led by Greater Greater Washington & NRDC)

WORKING GROUPS & COALITIONS:

- ▶ **NEW:** **Data & Access During COVID-19**
- ▶ **NEW:** **Mobility Data Privacy Principles** (led with OMF & NABSA)
- ▶ **NEW:** [Prioritizing Access in the 2020 Invest in America Act](#) (led by T4A)
- ▶ **Micromobility Behavior Nudging:**
 - **NEW:** **Campaign** (led by Design for Humans)
 - **Research** (led by U Leeds & UC-Davis)
- ▶ **Federal Policy Alignment** (led by T4A)
- ▶ **Re-Thinking Market Entry** (led by CityMart)

PLATFORMS:

- ▶ **NEW:** [#MOVID19 Hackathon](#) (with Datasketch, GIZ, TUMI, City Parking, Despacio, Alcaldía Mayor de Bogotá, Bogotá Cómo Vamos, Transport Studies Unit, University of Oxford, Juan Pablo Orjuela, C40 Cities Finance Facility)
- ▶ **NEW:** [COVID Mobility Works](#) (with Polis, TNO, UC Berkeley, TUMI, Urbanism Next & the World Economic Forum)
- ▶ **NEW:** [Resilience & Transportation](#) **webinar series** (with Euroclima+, GIZ, TUMI & WRI Ross Center for Sustainable Cities)
- ▶ [edX Course](#): May - July 2020 (led by MIT)
- ▶ [The NEXUS](#) (led by Urbanism Next)
- ▶ [NUMO New Mobility Atlas](#)
- ▶ [Urbanism Next Europe](#): June 10 - 11, 2021 (with Polis, Urbanism Next & TNO)

TOOLS & RESOURCES:

- ▶ **NEW:** **Data Use Cases**: site launch in August (led by Russ Brooks)
- ▶ **NEW:** [Mobility Metrics](#) (led by SharedStreets)
- ▶ [MoMobility Urban Transformation Game](#)
- ▶ [Periodic Table of Mobility](#)
- ▶ [Streetmix Improvements](#)

GUIDES:

- ▶ **NEW:** [Perfecting Policy with Pilots](#) (led by Urbanism Next)
- ▶ **Accessibility Guide** (led by T4A)
- ▶ **Spanish Translation of the T4A Shared Micromobility Playbook**
- ▶ **Urban Bikeway Design Guide 3.0** (led by NACTO)

RACIAL EQUITY & JUSTICE READING LIST

We are experiencing a confluence of multiple major crises: the COVID-19 public health crisis, a long-delayed reckoning in the U.S. with pervasive and systemic racism, an economic crisis, the climate crisis and a transportation crisis

Many in our community are grappling with the tension between the urgency to act quickly to rectify longstanding inequities, protect public health and implement changes before car traffic returns to streets with the critical need to engage with communities and ensure inclusive public outreach and equitable decisions are being made. As we become more aware than ever before that our streets are not safe for all — particularly Black lives — a number of cities that have accelerated open or slow streets during the pandemic have noticed blind spots around engagement and a lack of inclusion of diverse voices and perspectives.

The NUMO team has been reflecting on these issues, and we wanted to share the following resources. Additionally, our partners at Transportation Choices Coalition have compiled [Mobility Justice Resources](#), a comprehensive list we encourage our allies to engage with.

- ▶ [Safe Streets Are Not Safe for Black Lives](#) by Dr. Destiny Thomas (Bloomberg City Lab)

- ▶ [Why We Must Talk about Race When We Talk about Bikes](#) by Tamika Butler (Bicycling)

- ▶ [Attention Transportation Advocates: Race Is Part of the Work](#) by Dara Baldwin (The WIYATT)

- ▶ [How Planes, Trains and Automobiles Worsened America's Racial Divide](#) by Stephanie Gidigbi (POLITICO Magazine)

- ▶ [MOVING TO ACTION: How Do We Respond to Anti-Black Racism in Urbanist Practices in Conversations?](#) (Canadian Urban Institute)

- ▶ [Equality in Transportation Planning](#) interview with Dr. Destiny Thomas (CoMotion Podcast)



A thread of articles, research, interviews, best practices and other resources by and prioritizing the voices and work of Black people, women and white allies, compiled by Keith Benjamin (source: @rkbtwo on Twitter)



Photo source : Can Pac Swire/Flickr

COVID-19 RESPONSES

Bogotá Interventions

Tracking Global Responses with COVID Mobility Works

Improving Access in Washington, D.C. with Data

Detroit Pilot to Support Essential Workers

Prioritizing Access in Federal Transportation Policy

Streetmix Updates for Repurposing Space

Tracking On-the-Ground Changes in Shared Scooter Operations

BOGOTÁ INTERVENTIONS



Photo source: MUVO

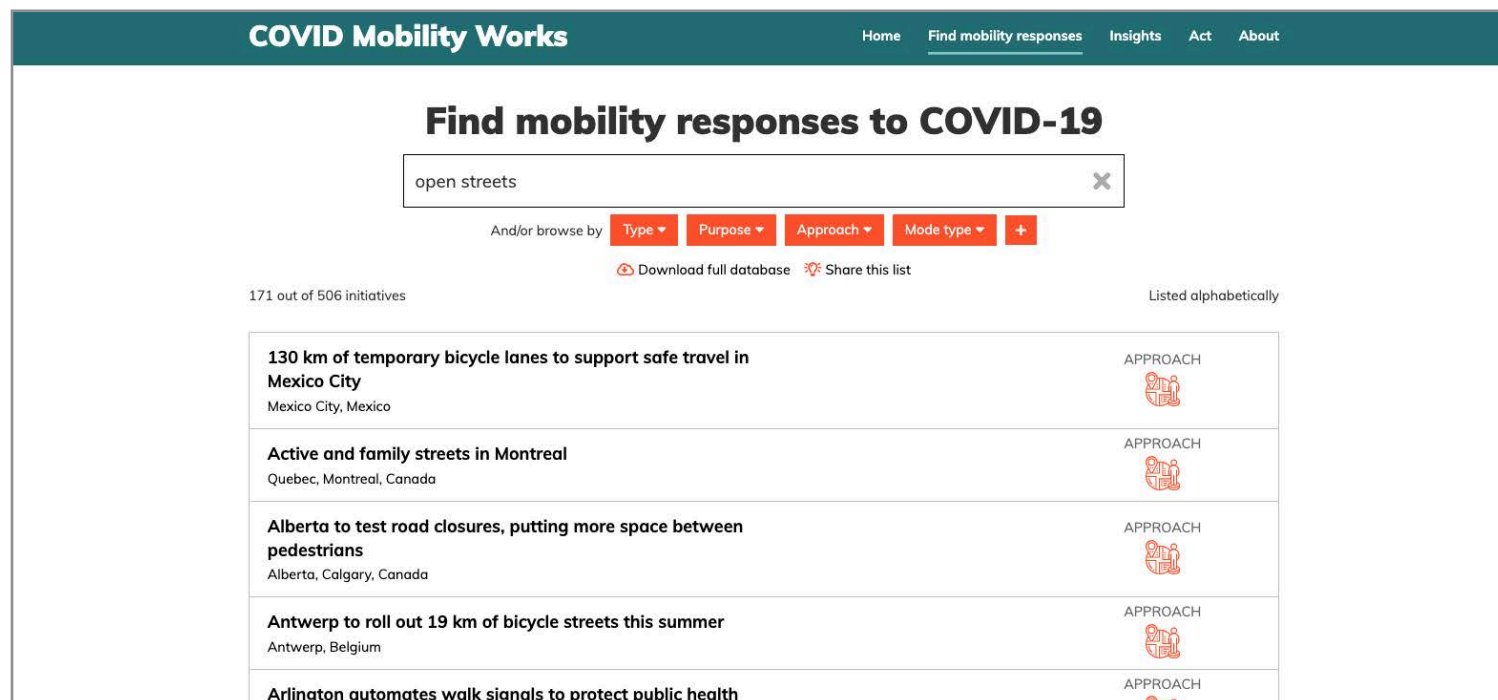
In Bogotá, Colombia, a city that has taken big steps to provide more space for bicycle lanes during the pandemic, a new initiative provided [health workers free access to a fleet of 400 e-bicycles](#) as non-essential travel was restricted in response to the COVID-19 pandemic.

The Bogotá city government, MUVO, Despacio and NUMO collaborated to quickly launch the initiative in March, with micromobility provider MUVO repurposing its entire fleet of bicycles for one month. The innovative idea sprang from the intensive four-day virtual [#MOVID19 Hackathon](#), which generated multiple mobility

initiatives including programming of new bus routes to better service health workers commuting to and from frontline jobs.

To better protect public health while enabling a return to public transportation, the Collaborative Modeling Group of COVID and Mobility in Colombia released [Recomendaciones para Transporte Público y Masivo y Control de COVID](#), or [Guidelines for Public and Mass Transport and COVID Control](#) (translation by TUMI).

TRACKING GLOBAL RESPONSES WITH COVID MOBILITY WORKS



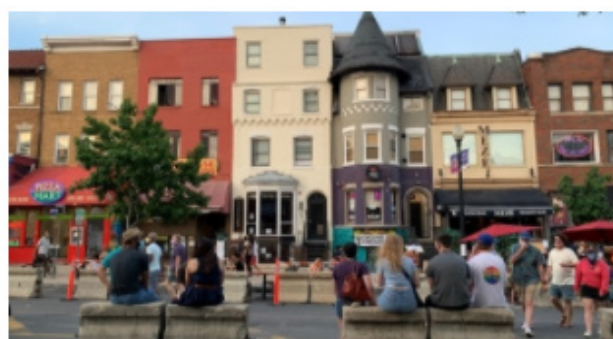
The screenshot shows the COVID Mobility Works website interface. At the top is a dark teal navigation bar with the site name and links for Home, Find mobility responses, Insights, Act, and About. Below the navigation bar is a large heading 'Find mobility responses to COVID-19'. A search bar contains the text 'open streets'. Below the search bar are filters for Type, Purpose, Approach, and Mode type, each with a dropdown arrow. There are also links to 'Download full database' and 'Share this list'. A status line indicates '171 out of 506 initiatives' and 'Listed alphabetically'. A table lists five mobility initiatives, each with a title, location, and an 'APPROACH' icon.

Initiative	Location	Approach
130 km of temporary bicycle lanes to support safe travel in Mexico City	Mexico City, Mexico	APPROACH
Active and family streets in Montreal	Quebec, Montreal, Canada	APPROACH
Alberta to test road closures, putting more space between pedestrians	Alberta, Calgary, Canada	APPROACH
Antwerp to roll out 19 km of bicycle streets this summer	Antwerp, Belgium	APPROACH
Arlington automates walk signals to protect public health		APPROACH

Photo source: COVID Mobility Works

[COVID Mobility Works](#) is a new digital platform dedicated to collecting, synthesizing and sharing mobility initiatives that are keeping the world moving through the COVID-19 crisis and recovery. The database includes [over 500 mobility responses to COVID-19 from nearly 250 cities](#) around the world so far.

The platform was developed by the World Economic Forum's Global New Mobility Coalition, NUMO, POLIS, TNO, TUMI, Urbanism Next and the Transportation Sustainability Research Center at the University of California, Berkeley. Special thanks also to NACTO, NABSA, the National League of Cities and the National Complete Streets Coalition for sharing their resources for adaptation to the database.



How are communities reallocating the street right-of-way to safely accommodate recreational and social activities during the COVID-19 pandemic?

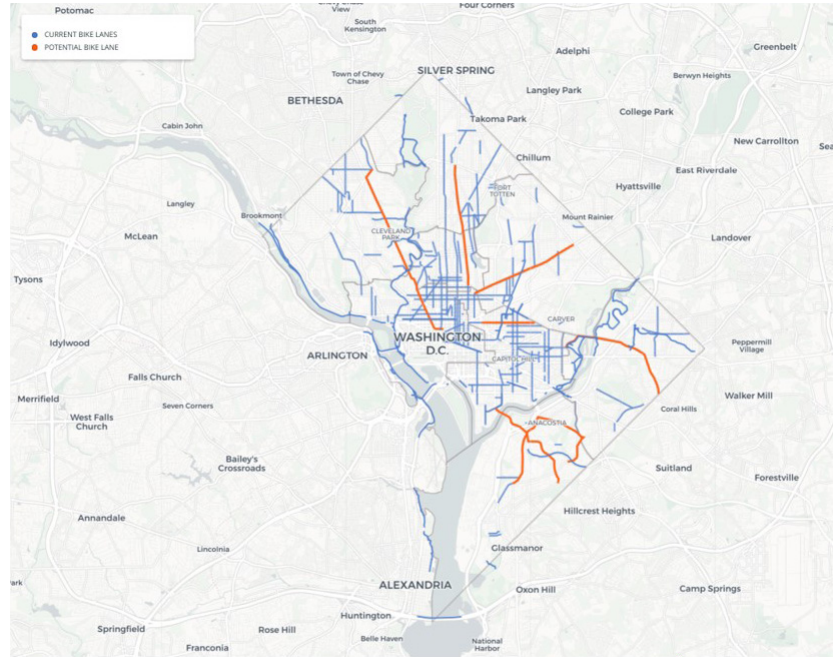
We plan on updating COVID Mobility Works on a monthly basis through Spring 2021... but we need your help to [suggest initiatives](#) and [take our user survey](#) to tell us how we can improve!

IMPROVING ACCESS IN WASHINGTON, D.C. WITH DATA

Access to essential services via walking and biking is critical during shelter-in-place orders. With that in mind, NUMO and the World Resources Institute (WRI) mapped 28.5 miles of **potential new “high access” bike lanes** in Washington, D.C., to improve access to food service locations and grocery stores.

The maps were presented to the ReOpen DC Advisory Group, the District Department of Transportation and the Washington Area Bicyclist Association, and serve as an aid for engagement with communities where infrastructure is being proposed.

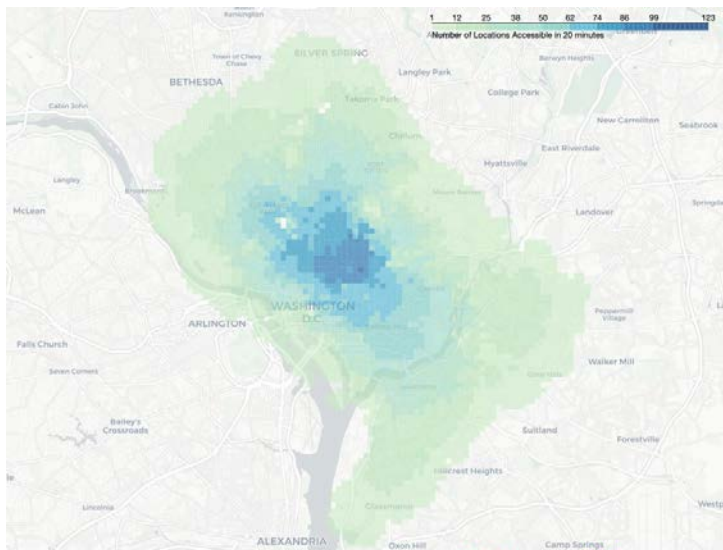
WRI and NUMO are also working to share how data analysis can be situated in a more inclusive process that engages the community in infrastructure projects.



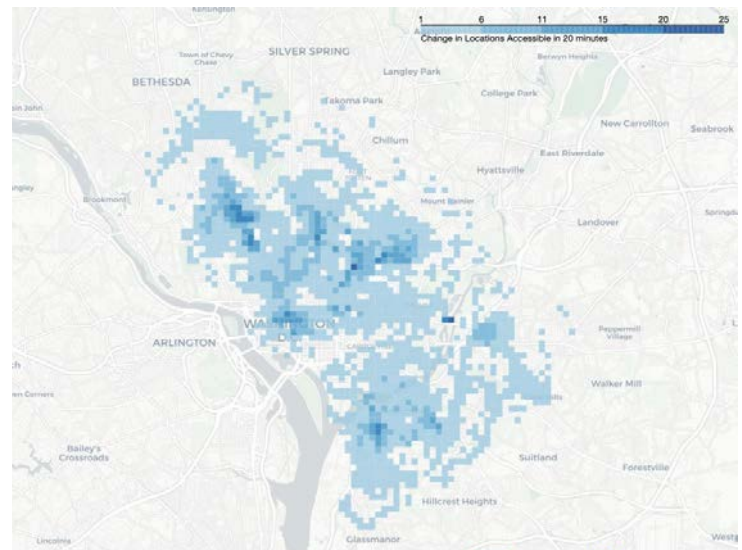
Data Source: Open Data DC, Our Supplies, Capital Area Food Bank



Potential new “high access” bike lanes — 28.5 miles (image source: NUMO & World Resources Institute)



Before “high access” bike lanes (image source: NUMO & World Resources Institute)



After “high access” bike lanes added (image source: NUMO & World Resources Institute)

DETROIT MOBILITY PILOT TO SUPPORT ESSENTIAL WORKERS



Photo source: Detroit Office of Mobility Innovation

Detroit's Office of Mobility Innovation (OMI), NextEnergy and NUMO have launched a pilot program to [connect essential workers to reliable, safe transportation](#) to and from frontline jobs during the COVID-19 pandemic and recovery.

The program matches participating employees with electric bikes and scooters and builds on other efforts the city has undertaken to expand access to affordable mobility for essential workers. The e-scooters and e-bikes will be individually leased to hospital, grocery, pharmacy, manufacturing and other Detroit-based employees living within six miles of their place of employment. The pilot will also help to test whether a leasing model is effective in facilitating better access to jobs through micromobility.

Micromobility service operators Spin and MoGo are managing an initial fleet of 125 e-bikes and 150 e-scooters. General Motors donated the Ariv e-bikes to be used for the pilot, which is scheduled to run for 16 weeks. OMI is collaborating directly with Detroit employers to identify individuals who might benefit from this program. Participating employees will also receive information on the safe use of e-scooters and e-bikes, access to route-planning apps and equipment including helmets and locks.

PRIORITIZING ACCESS IN FEDERAL TRANSPORTATION POLICY



Photo source: Elvert Barnes/Flickr

A coalition of new mobility operators and technology providers signed a [letter](#) urging Congress to commit to supporting a [multimodal transportation system](#) with [robust public transit](#) and a [comprehensive range of new mobility options](#) in the new transportation and infrastructure reauthorization bill.

The letter responded to the INVEST (Investing in a New Vision for the Environment and Surface Transportation) in America Act released by the House of Representatives Transportation & Infrastructure Committee, and calls for increasing funding for transit, incentivizing multimodality, and prioritizing access over speed to give all people safe and affordable access to jobs and services.

The signing coalition — which includes Lime, Lyft, the North American Bikeshare Association, NUMO, Spin, Transit app, TransitScreen, Transportation for America, Uber and Via — represents an alignment among public and private mobility service operators and technology providers in support of a transportation system that recognizes transit as its backbone and facilitates a diverse array of modes for trips of all lengths.

STREETMIX UPDATES FOR REPURPOSING SPACE



Image source: Streetmix

Streetmix has incorporated additional features to [help cities quickly visualize the reallocation of streetspace in response to COVID-19](#). New elements include temporary barriers, traffic cones, barricades and jersey barriers.

Additionally, Streetmix has teamed up with NUMO to launch a new survey to understand what makes streets joyful. Your votes will help generate insights to guide design recommendations for users. Take the survey [here](#) (and make sure you're logged in!)

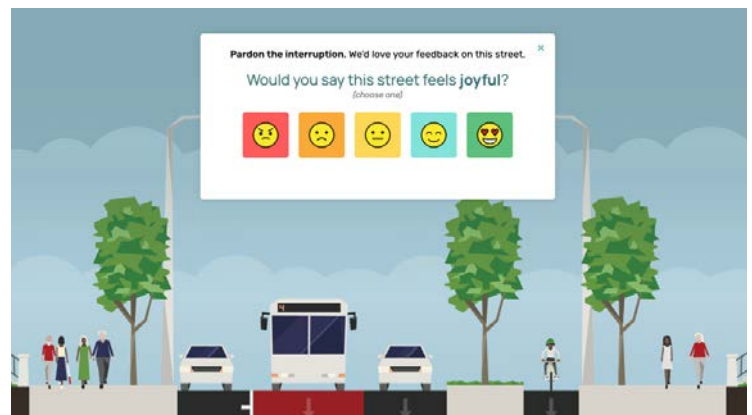
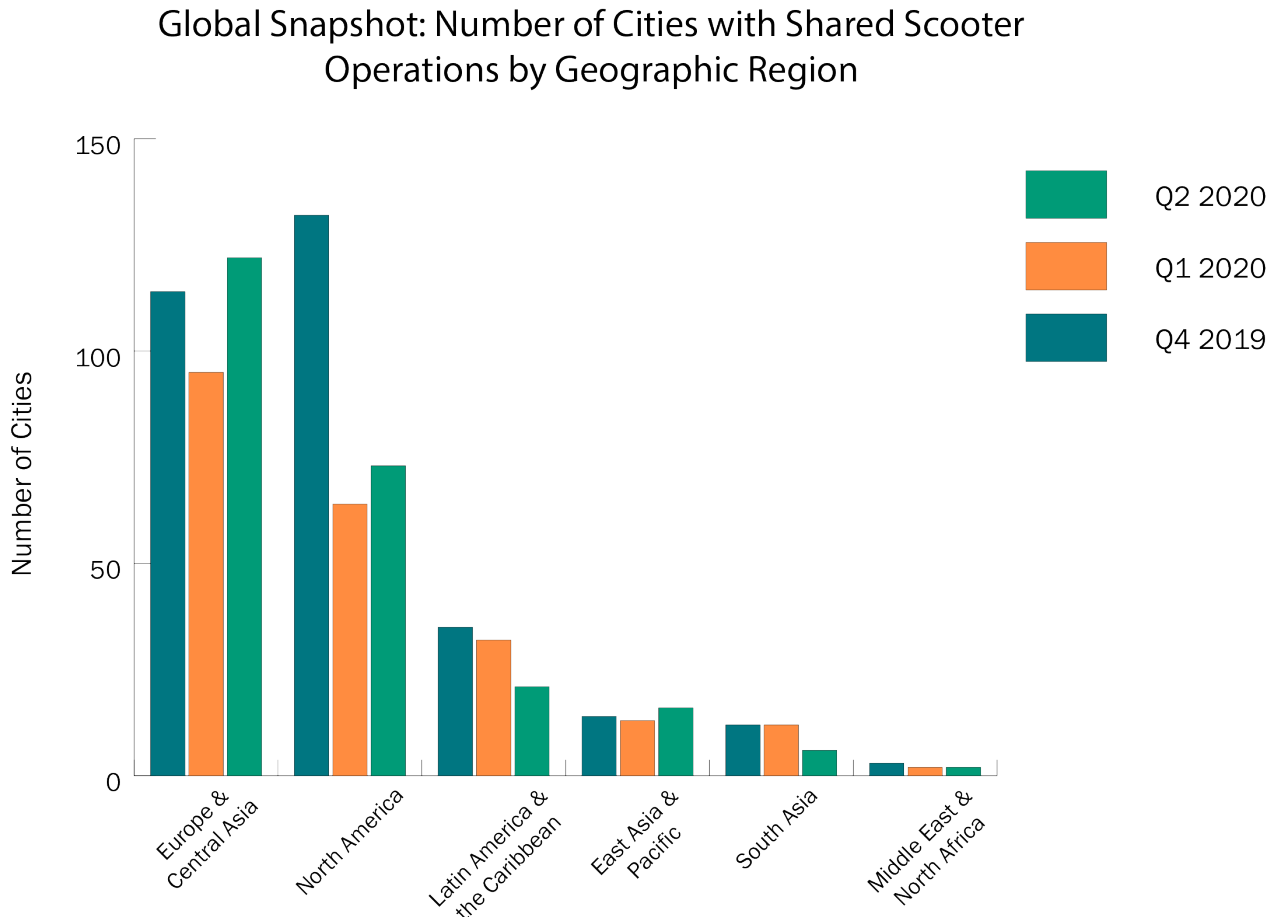


Image source: Streetmix

TRACKING ON-THE-GROUND CHANGES IN SHARED SCOOTER OPERATIONS



Source: NUMO New Mobility Atlas*

Updates to the [NUMO New Mobility Atlas](#) for the second quarter of 2020 show that scooter operations in Europe and Central Asia have recovered and even surpassed pre-COVID levels, with a more modest recovery in North America and continued drop in Latin America and South Asia.

San Diego, Bordeaux, Bogota, Taipei, Portland, Richmond, Alexandria, Seoul, Durham and Szczecin saw the greatest increase in operators between Q1 and Q2 2020, while Malaga, Lisbon, Barcelona, Santiago, Vienna, Mexico City, Oxford, Madrid, Sao Paulo and Lund saw the biggest decrease.

*While NUMO's New Mobility Atlas strives to provide accurate data, it is not peer reviewed and there may be inaccuracies. We invite you to help us expand and correct our information [here](#).

PERFECTING POLICY WITH PILOTS



Pilot heat map and regions defined in this study (image source: Urbanism Next, 2020)

Urbanism Next analyzed 220 new mobility pilots in the U.S. and Canada to distill 10 recommended actions that are most likely to help public agencies achieve their pilot goals. Download the report [here](#).

10 RECOMMENDED ACTIONS FOR NEW MOBILITY PILOTS

1. Define the pilot goals and outcomes at the beginning of the process and make sure every pilot activity is designed to achieve them.
2. Study what happened and put those findings into a final evaluation report.
3. Foster relationships and build trust.
4. Create a policy framework (i.e. regulations, contracts, agreements) for each pilot project that advances the public good and is easy to understand.
5. Build in compliance mechanisms.
6. Measure the impact on equity, health and safety, the environment and the economy.
7. Measure the impact of the pilot project on transit.
8. Collect the information needed to ensure the public good (while protecting privacy) and produce useful information to make relevant policy decisions.
9. Apply these lessons learned and recommendations to AV and other types of pilots.
10. Plan for volatility.

SHAREDSTREETS MOBILITY METRICS DATA AGGREGATOR

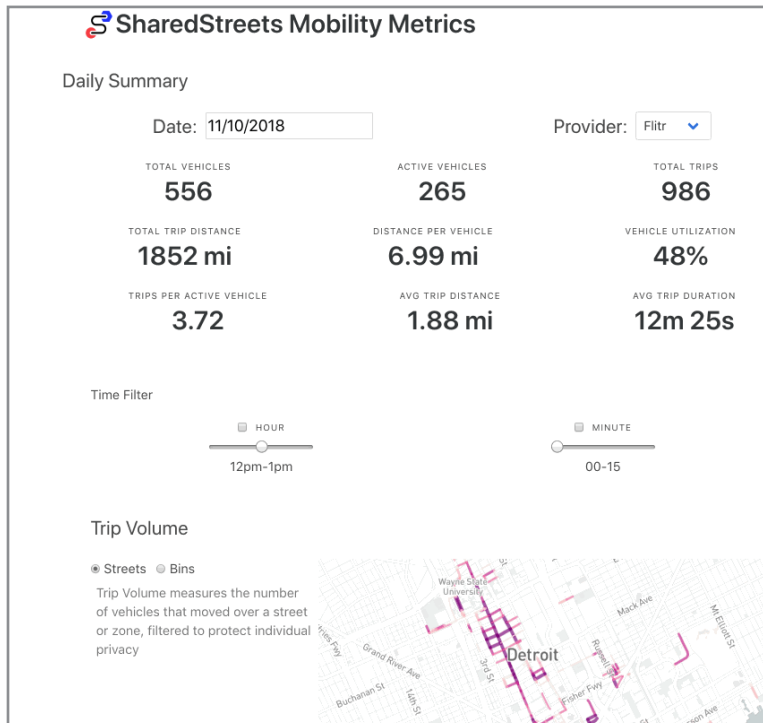


Image source: SharedStreets

SharedStreets' open source [Mobility Metrics](#) data aggregator turns micromobility data into aggregate metrics and maps.

NUMO supported SharedStreets to build a data validation/auditing framework to address the lack of trust between cities and providers and to help protect data privacy.

SharedStreets worked directly with cities to design and implement the metrics and auditing system. The auditing framework was presented in a California senate hearing by the City of Sacramento as an example privacy protecting data management strategy.

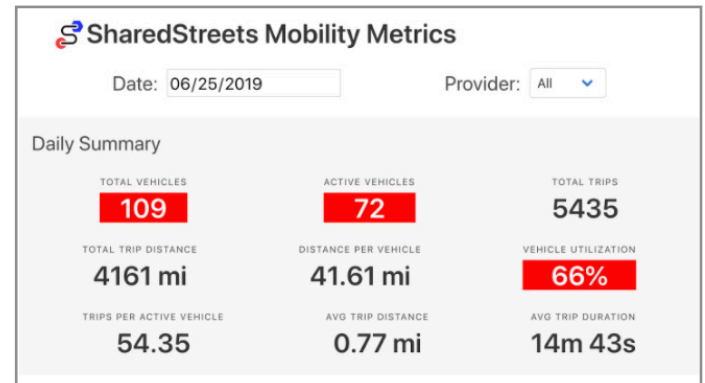



Image source: SharedStreets

 SharedStreets Mobility Metrics

Audit Log

Report Day: 2020-02-18

Zumr

Status	Query Time	Vehicles	Trips	Status Changes
🟢	2020-02-19 04:12	961	3359	20099
🟡	2020-02-20 12:21	968 (+7)	3140 (-219)	19910 (-189)
🟢	2020-02-21 10:47	968	3140	19910
🟡	2020-02-22 04:57	936 (-32)	2925 (-215)	19285 (-625)

Flip

Status	Query Time	Vehicles	Trips	Status Changes
🟢	2020-02-19 04:01	1107	4850	25382
🟢	2020-02-20 08:04	1107	4850	25382
🟢	2020-02-21 07:08	1107	4850	25382

Scoob

Status	Query Time	Vehicles	Trips	Status Changes
🟢	2020-02-19 05:05	1738	7216	33305

Report Day: 2020-02-19

Zumr

Status	Query Time	Vehicles	Trips	Status Changes
🟢	2020-02-20 04:40	1044	4275	18500
🟢	2020-02-21 11:14	1044	4275	18500
🟢	2020-02-22 11:50	1044	4275	18500
🟢	2020-02-23 06:43	1044	4275	18500
🟢	2020-02-24 08:04	1044	4275	18500
🔴	2020-02-25 05:40	0	0	0

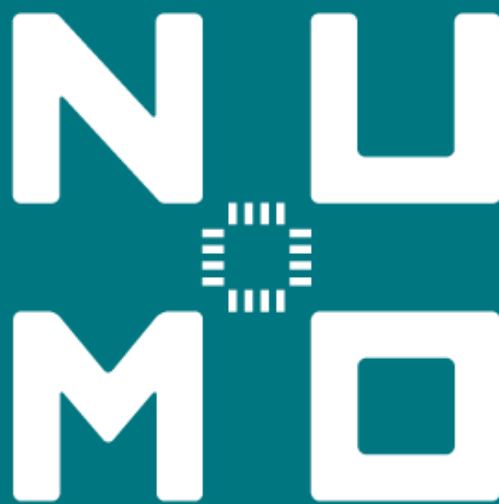
Image source: SharedStreets

Thank You

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