Webinar will Begin Shortly

- Presenters
 - Austin Brown, Executive Director, Policy Institute for Energy, Environment, and the Economy
 - Paige Pellaton, Graduate Student Researcher
- Guest Respondents
 - Regina Clewlow, CEO and Co-founder of Populus
 - Mollie Pelon McArdle, Co Director at Open Transport Partnership & SharedStreets





UCDAVIS

POLICY INSTITUTE FOR ENERGY, ENVIRONMENT, AND THE ECONOMY

Leveraging university expertise to inform better policy

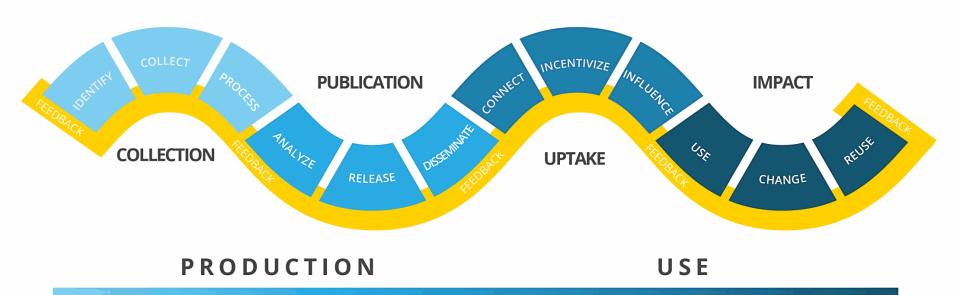
Mobility Data Sharing: A Middle Ground Approach

Austin Brown, Executive Director Paige Pellaton, Graduate Student Researcher

Value of Data



DATA VALUE CHAIN



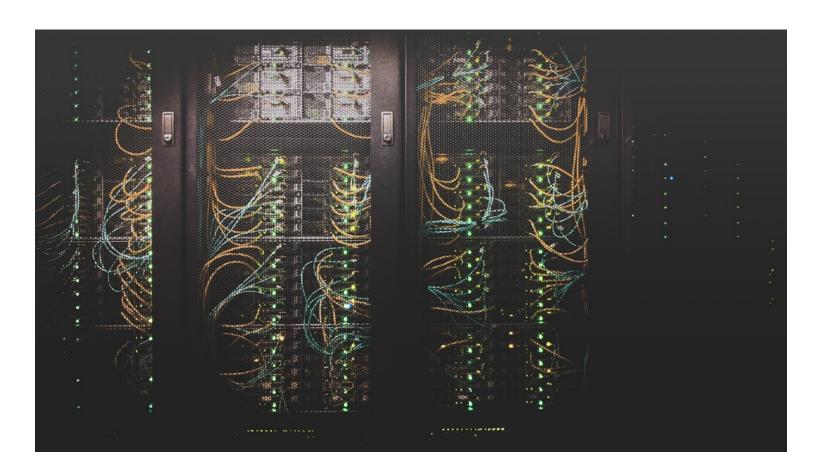
increasing value of data

5 Key Issues for Data Sharing





Key Issue #1: Cost



Key Issue #2: Standardization



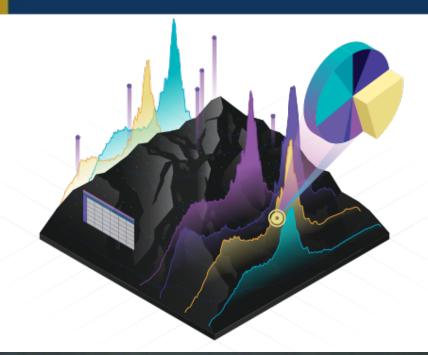
Key Issue #3: Anonymity



Key Issue #4: Proprietary Rights



Key Issue #5: Analytics



Data has a better idea

Policy Recommendations

- 1. Voluntary data standardization
- 2. Data-sharing requirements for TNCs

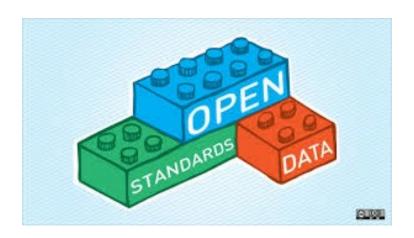
3. Publicly held big-data repositories managed by third parties

4. Use of transportation-planning tools

Policy #1: Standardization

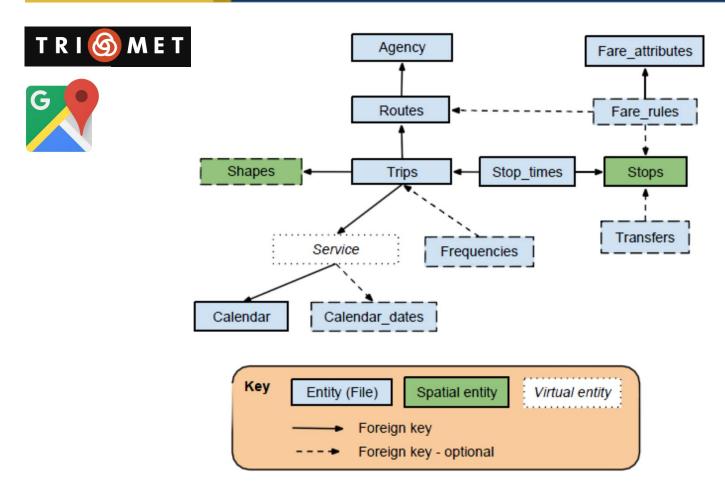
Best accomplished...

- At the city- or region-level
- If voluntarily adopted

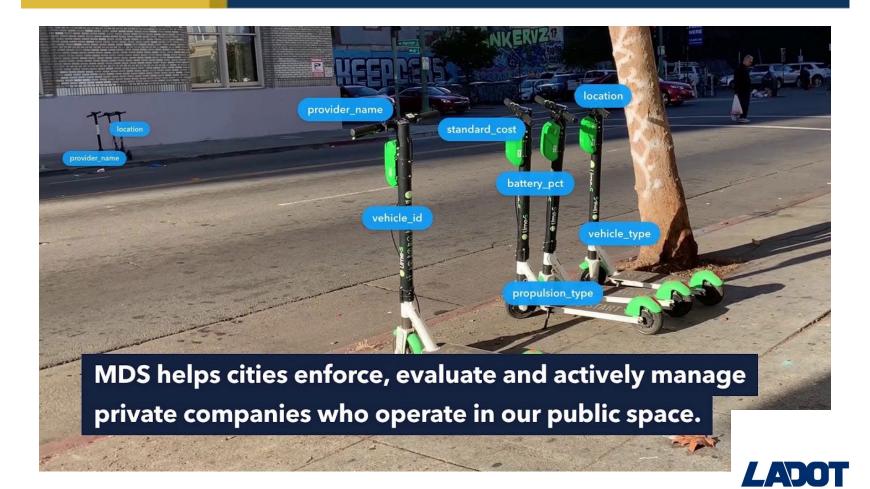




The General Transit Feed Specification



The Mobility Data Specification





Policy #2: Sharing Requirement

- "Sharing All" may compromise privacy and competitiveness
- "Sharing None" means policymakers fly blind
- A "Middle Ground" involves sharing "in specific contexts and managed by a trusted third party."

Best accomplished...

- At the city, state, or region-level
- When mandatory but negotiated



Policy #3: Repositories





Secure Data Commons Platform



DATA EXCHANGE

POWERED BY TERBINE



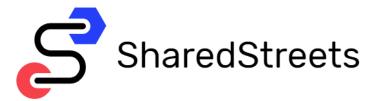




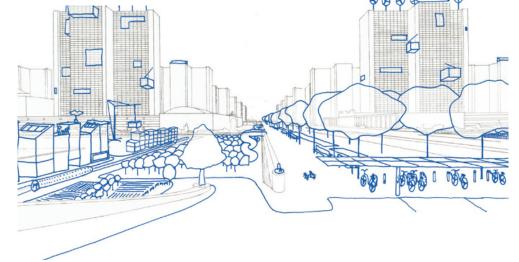
Transportation Secure Data Center (TSDC)



Policy #4: Land-Use Tools







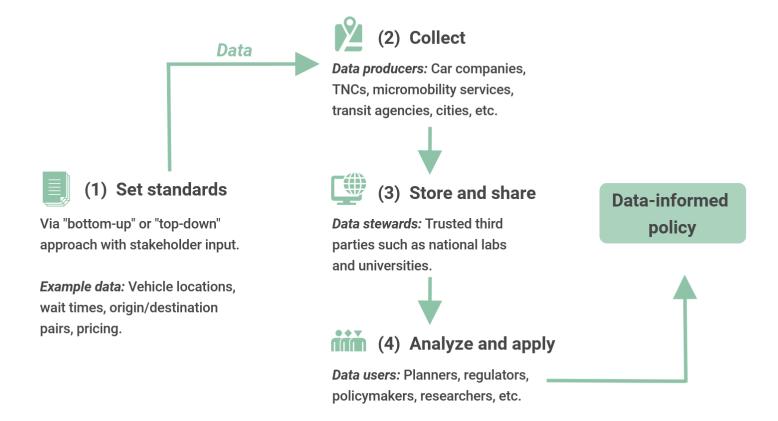






remix

Overview





Thank you!

Issue Paper
Policy Brief
Planetizen Blog
Forbes Blog

SAVE THE DATE: <u>3 Revolutions Policy</u> Conference, **March 24-25 2020**

Contact:

Austin Brown dokbrown@ucdavis.edu



A SECURE AND EFFICIENT SOLUTION: DATA REPOSITORY + ANALYSIS PLATFORM

Example: Populus Mobility Manager

- Founded by transportation and urban planning PhDs from UC Berkeley and MIT.
- Platform securely hosts data from the world's largest mobility operators, delivering it to more than 40 cities.
- We harness and contribute to open-source data specifications (e.g. GBFS, MDS).
- More cost efficient than most public agencies (large and small) in-house solutions due to economies of scale.

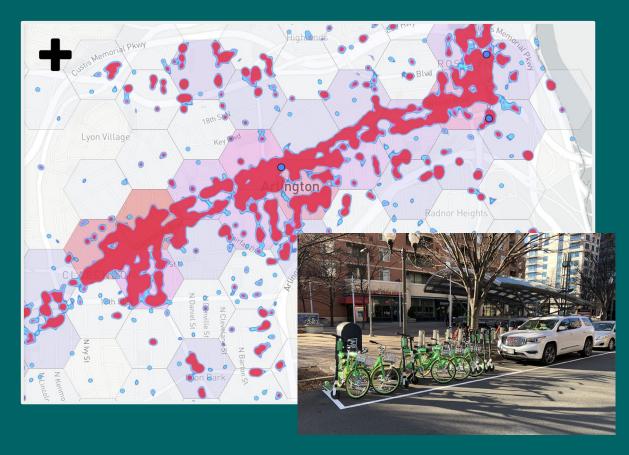




FROM DATA TO ACTION

Identifying scooter parking hotspots in Arlington County

- Cities can easily use deidentified GPS data from shared scooters to identify potential parking areas.
- They can design, communicate, and monitor new parking infrastructure to operators through the Populus platform.





FROM DATA TO ACTION

Harnessing data for new micromobility lanes

- Cities can use aggregated volumes from millions of scooter trips to identify new protected lanes.
- They can export data and put it in the hands of transportation planners to prioritize safer, cleaner transport.





SharedStreets Overview



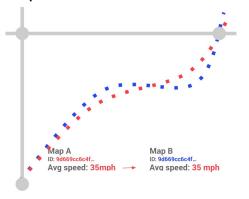


SharedStreets is a nonprofit organization.

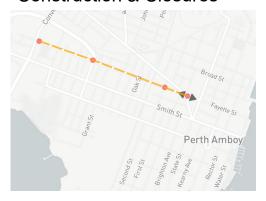
We build open source software and digital infrastructure to support new ways of managing and sharing data that keep cities moving.

SharedStreets areas of work

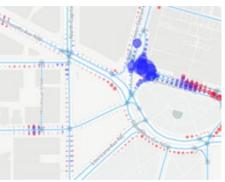
Map conflation



Construction & Closures



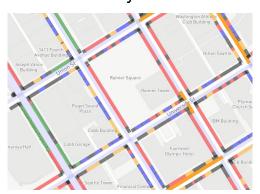
TNC Pick-up & Drop-off



Mobility Metrics



Curb Inventory



Speeds & Safety





SharedStreets Mobility Metrics

Open source, free, locally-hosted tool that can be downloaded and used today to aggregate micromobility data into useful metrics.

