



SHARED MOBILITY DATA PRODUCT

Rich insights to decarbonize mobility

Shared mobility has emerged as a major disruption to the traditional ways of getting around. Bike share, scooter share, and carshare have real potential to help cities meet their de-carbonization targets, but only if the modes can be managed in such a way as to avoid their negative effects. Vianova's Shared Mobility Data Product creates legible and simple analytics about the performance and compliance of shared mobility operators in your city or region.

Understand Metrics

Get a handle on the key indicators of success for your shared program. Drill into the performance of modes, operators, and geographies to evaluate program effectiveness.

Monitor Compliance

Enforce a dozen types of policies to ensure good parking and riding behavior, impose fees, and communicate directly with operators about non-compliance

Deliver Infrastructure

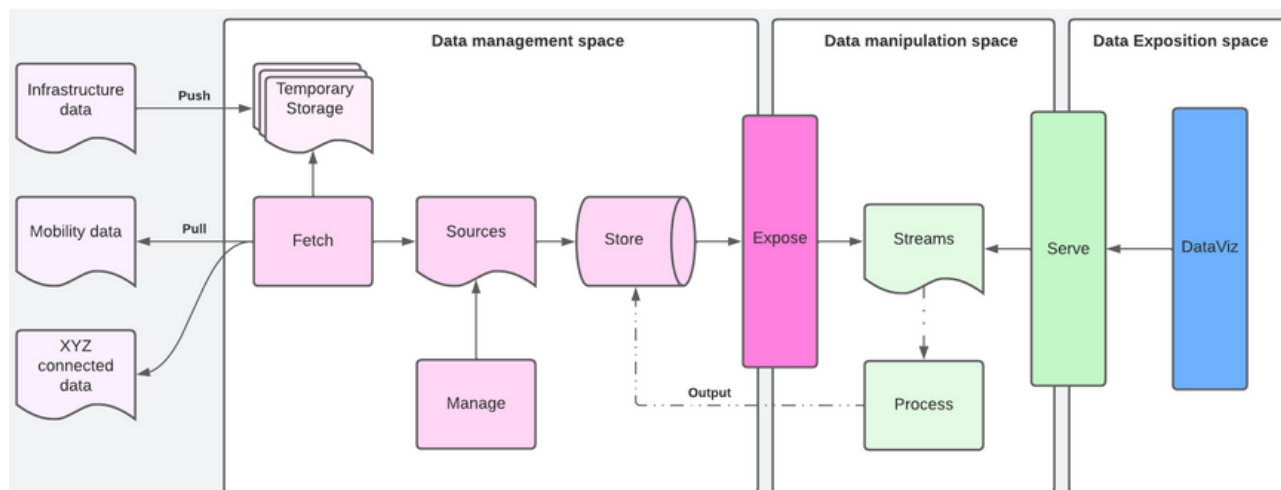
Use Vianova's visualization dashboard to see the most frequently traveled corridors, and improve cycle paths in these locations. Optimize mobility hub construction through intelligent recommendations.

Improve Sustainability & Accessibility

Optimize the location of vehicles to maximize de-carbonization potential and to provide connections to mainline public transport. Integrate shared mobility into a comprehensive mobility-as-a-service offering.



FUNCTIONAL ARCHITECTURE



OUR DATA

We work with shared mobility providers around the globe to provide metrics on shared mobility usage and compliance. Below are the most popular metrics we track in real time, built off of the Open Mobility Foundations' "Mobility Data Specification" format:

[Fleet Size]

Total number of Vehicles in a city or specific location.

[Count of Trips]

The number of trips starting or ending in a city or specific location.

[Vehicle Availability]

Count of vehicles available for rental (vs. on trip or out-of-service).

[Vehicle Rotation]

Avg. count of trips per device per day.

[Trip Distance]

Avg. distance (in miles or meters) of trips starting or ending in a specific location.

[Trip Duration]

Avg. duration (in minutes) of trips starting or ending in a specific location.

[Count of Infringements]

Total number of ongoing violations of a city policy.

[New infringements]

Count of new infringements generated each hour.

[Compliance Rate]

An hourly check of infringements of fleet-based policies (ex: vehicle caps).

[Co2 Avoided]

An expected savings (in kgs) from shared trips in lieu of car travel.

[Count of Origin/Destination]

Number of trips between any two points.

[Provider Drop off Status]

Count of vehicles dropped by.