

E-BIKES AND E-SCOOTERS: DRIVERS OF CLIMATE ACTION

Electric bikes and scooters are more than a convenient first-last mile solution in cities. They also reduce emissions while catalyzing a broader shift toward sustainable transport.

QUIET STREETS

E-bikes and scooters are quieter than cars and motorcycles, making streets and public spaces more pleasant for pedestrians and cyclists.

CONVENIENT ALTERNATIVES

E-bikes are competitive with cars on travel time, especially for trips up to 10km.

SAFE STREETS

As the number of e-bike and scooter riders, cyclists, and pedestrians increases, streets become safer for all users.

EQUITABLE ACCESS

E-bikes and e-scooters are attractive to—and increasingly used by—women, older adults, and other groups who have not felt comfortable on traditional bicycles.

E-bikes and scooters fill gaps in the transport network, making a combination of cycling, walking, and public transit the easy choice over cars for more trips:

In Portland, Oregon, **6%** of e-scooter users reported getting rid of a car due to the availability of micromobility options.



Choosing an e-bike or scooter over a car translates to measurable emissions reductions:

A 5% increase in trips made by bicycle and electric micromobility modes instead of cars globally would reduce CO2 emissions by 7% the equivalent of taking more than **134 million cars off the road**, by 2030.



BUS

What cities can do:

LEGALIZE

Make low-speed e-bikes and scooters legal in cities. Regulate them as bicycles, not motor vehicles, so license and insurance are not required to ride.

STANDARDIZE

Clearly define and enforce speed maximums for e-bikes and e-scooters to distinguish where they can safely share cycle lanes with pedal bicycles.

DESIGN

Ensure cycle lanes are protected and form a complete network, safely accommodating low-speed e-bike and e-scooter riders in addition to pedal cyclists.

MANAGE

Enforce rules for bike- and scooter-share operators to ensure that sidewalks are clear, and shared bicycles and scooters are well-maintained.

MONITOR

Collect and analyze data on trip length, frequency of use, and destinations to better quantify personal e-mobility use, and scale and improve shared systems.

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