















Concerned Scientists

POLICY BRIEF

June 2017

Maximizing the Benefits of Self-Driving Vehicles

Principles for Public Policy

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HIGHLIGHTS Autonomous, or self-driving, vehicle technology may be the most significant inse vation in transportation since the mass introduction of automobiles in the early 20th century. Whether the widespread adoption of self-driving vehicles results in positive outcomes in the years ahead will depend largely on how public policy guides the introduction of this emerging technology today. The potential benefits include safer roads, more affordable transportation, improved access to jobs, and sherpy use, transportation related integrates, healther environment. Without well-crafted policy, though set discusses policy mut take into account both the policy mut take into account both the policy mut take into account both the policy mut take into account both the

UCS has outlined a set of principles that policymakers, busin and other stakeholders can follow to shape the introduction of self-driving vehicles in ways that reduce oil commuption and global warming emissions, protect public health and enhance mobility for all.

1. Make Transportation Safer for Everyone, Not Just Motorists

While self-driving vehicles have the potential to reduce vehicle-related fatalities, this is not a guaranteed outcome (Kockelman et al. 2016). Vehicle computer systems must be secure from backing, and rigorous testing and regulatory oversight of vehicle programming are essential to ensure that self-driving vehicles protect both their occupants and those outside the vehicle. Therefore, public policy refat-ed to self-driving vehicles must improve safety for all Americans, whether they are driving, walking, or biking.





































