

# University Transportation Center Signature Research Project #2 Emissions and Performance of Alternative Vehicles in Northern Climates

How do hybrid versus non-hybrid vehicle emissions and performance differ in the winter and in hilly terrain?

How do tailpipe emissions vary with biodiesel fuel properties?



Top Selling Prius at Nordic Toyota

How can emissions science be communicated to influence individual behavior and serve the public interest?

Unique UVM focus: on-board sensors, particle number emissions, low-cost sensors and public communication.



Tailpipe Adaptor for Emissions Measurements



Smart Car

**Drs. Britt Holmén, Lynn Gregory, Jeff Frolik, Dryver Huston, Tom Streeter, Tom Macias, Robert Jenkins**

**Departments:** Engineering; Community Development and Applied Economics; Sociology

**Partners:** Vermont Agency of Natural Resources; Resource Systems Group (RSG), Inc.; Udall Foundation; UVM Parking and Transportation