TTI's Center for Advancing Research in Transportation, Emissions, Energy, and Health

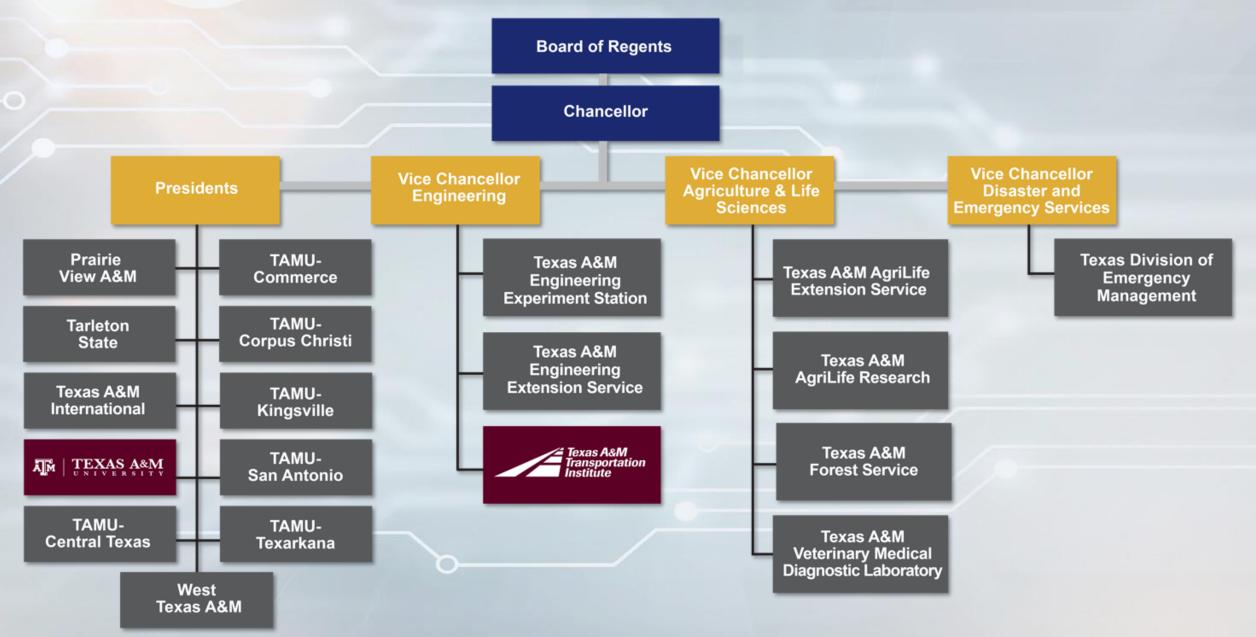




Joe Zietsman

Deputy Agency Director and Director of CARTEEH

THE TEXAS A&M UNIVERSITY SYSTEM



Vision

TTI leads in the creation of knowledge that transforms transportation for the benefit of society.



Mission

TTI delivers practical, innovative and sustainable solutions to improve the movement of people, data, and goods through research, education, and technology transfer.



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Facts & Backs & Ba		College Bryan Urban O Arlington Austin Dallas El Paso Houston San Anto Waco	Urban Offices Arlington Austin Dallas El Paso Houston San Antonio		Arlington Dallas Waco TTI-HQ Austin San Antonio
\$	Professional Researchers		Public and Private Sponsors	O	The second s
\$80M	400+	200+	200+	700+	
Annual Research Expenditures		Students	200 MM	Annual Projects	



Center for Advancing Research in Transportation Emissions, Energy, and Health

A USDOT University Transportation Center

"CARTEEH 2.0" Consortium



CARTEEH Leadership



Joe Zietsman CARTEEH Center Director



Tara Ramani CARTEEH Deputy Director



Michael Rodgers Georgia Institute of Technology



Jill Hough Dakota State University



Wen-Whai Li University of Texas at El Paso

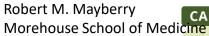


Kanok Boriboonsomsin University of California, Riverside



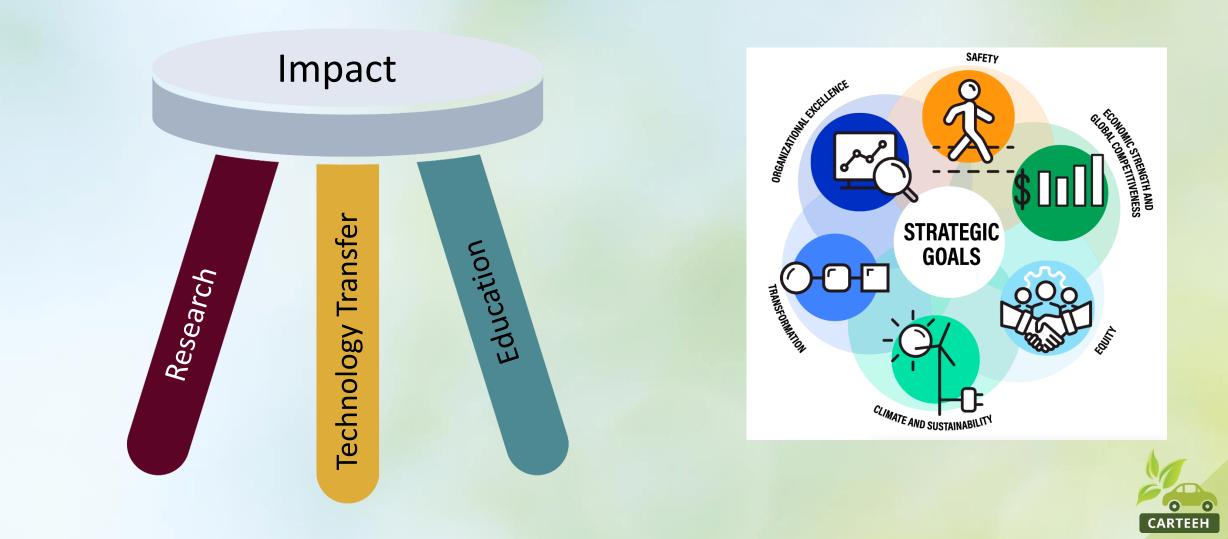
Mary A. Fox Johns Hopkins Bloomberg School of Public Health



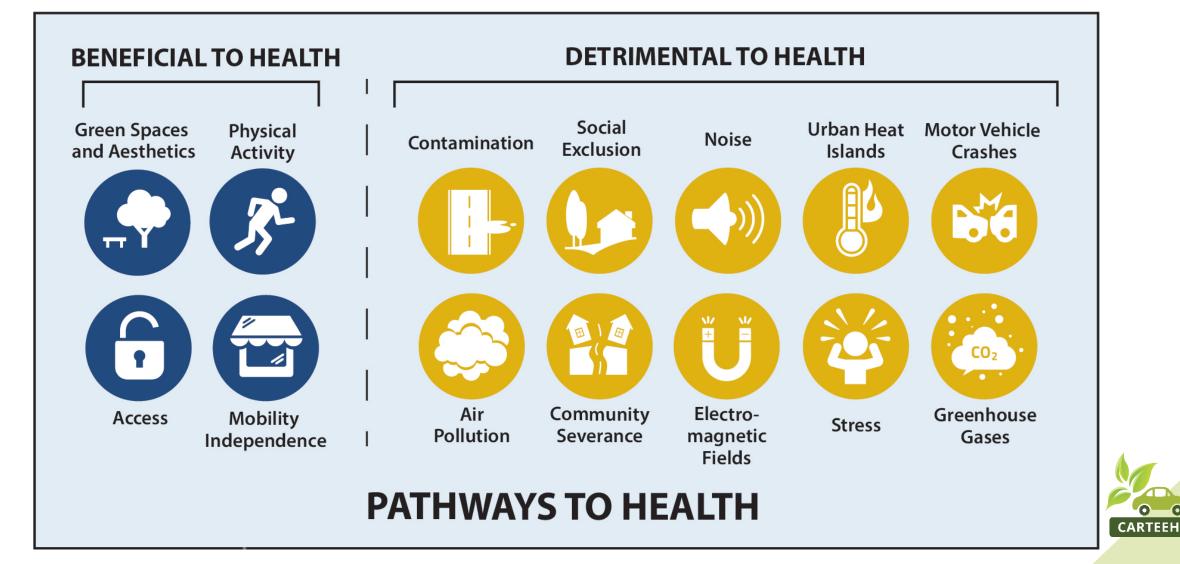




CARTEEH Focus Areas



Scope of Our Research



Scope of Our Research





Collaborative Research Projects

Project Title	Lead Institution	Collaborators
Electric versus Internal Combustion	TTI	GT, UTEP, NDSU
Integrated Modeling Platform	GT	TTI, JHU, UCR
Health Risks for Vulnerable Transit Users	JHU	GT, UTEP, NDSU
Transportation and Health Equity	MSM	UTEP, NDSU, TTI
Tribal and Rural Communities	NDSU	TTI, UCR, MSM
Mitigating Emissions in and around Ports	UCR	GT, UTEP, MSM
Air Quality Monitoring for Vulnerable Communities	UTEP	JHU, NDSU, MSM



Education and Workforce Development

- Audience
 - K-12 students
 - Undergraduate and graduate students
 - Continuing education for practitioners
 - Public engagement
- Continue successful activities such as STEM camps and summer internship programs



Technology Transfer

- Licensed a product and spun off a company
 electrotempo
- Symposia, webinars, workshops
- Literature library and data hub
- Clean Transportation Innovation Hub (CTIH)
- Clean Transportation Collaborative (CTC)





Existing Environmental and Emissions Research Facility





Clean Transportation Research Complex



