

Julian Marshall is the Boeing International Professor in the Department of Civil and Environmental Engineering at the University of Washington. He holds a courtesy appointment in Global Health, and he directs the Grand Challenges Impact Lab.

His research focuses on air pollution, including exposure assessment, air pollution modeling, environmental justice, satellite data, and methods for quantifying how pollution varies across locations and communities. His group develops local, national, and global exposure models; analyzes exposure inequities; and uses data and models to understand how emission reductions would impact exposure and health. A central goal of this work is to identify the drivers of exposure variation and to evaluate approaches that can reduce exposures, health risks, and inequities.

Marshall is one of the most highly cited researchers worldwide in air pollution and in environmental justice. He has published more than 200 peer-reviewed articles (Google Scholar: >25,000 citations; h-index: 86).

He teaches courses in air quality modeling, environmental justice, and grand challenges, including directing a 10-week study-abroad program in India.

Marshall earned a BSE (High Honors) in Chemical Engineering from Princeton University and an MS and PhD in Energy and Resources from UC Berkeley.