

Public Vita

Joost de Gouw

Joost de Gouw is a Professor with the Cooperative Institute for Research in Environmental Sciences (CIRES) and the Department of Chemistry of the University of Colorado Boulder. He received a PhD in Physics from the University of Utrecht in the Netherlands in 1994. After a postdoctoral appointment with the University of Colorado at Boulder, and a research faculty appointment with the Institute for Marine and Atmospheric Research of the University of Utrecht, he joined CIRES in 2001 and worked as a Research Scientist with the NOAA Earth System Research Laboratory for 17 years. In 2018, he became a Professor at the University of Colorado Boulder.

Joost de Gouw's research interests are focused on the sources and chemical transformations of organic compounds in the atmosphere, and the role that these processes play in air quality and climate change. He uses field measurements of organic compounds by mass spectrometry and gas chromatography. His current projects include urban pollution chemistry, the emissions and chemical transformations of VOCs in indoor environments, the impacts of wildfires on air quality, and the atmospheric impacts from oil and natural gas production.

Joost de Gouw has served as Principal and co-Principal Investigator on several NOAA field missions including the Southeast Nexus (SENEX) study in 2013 and the Shale Oil and Natural Gas Nexus (SONGNEX) study in 2015. He has been a Fellow of CIRES since 2008 and has served as Associate Director of CIRES' Environmental Chemistry Division since 2013. Dr. de Gouw was an Editor of the American Geophysical Union's Journal of Geophysical Research - Atmospheres from 2009 until 2013. He received the CIRES Outstanding Performance Award in 2007, was a co-recipient of the Colorado Governor's Award for High-Impact Research in 2012, 2014 and 2022, and received an honorary mention in 2018. In 2017 and 2018, Joost de Gouw was named a Web of Science Highly Cited Researcher by Clarivate Analytics. In 2022, Joost de Gouw received the Healthy Community Award from Boulder County Public Health for his work on indoor air quality in the aftermath of the Marshall Fire. In 2020, Joost de Gouw was elected a Fellow of the American Geophysical Union. In 2024, Joost de Gouw received an Excellence in Research Award from the Boulder Faculty Assembly.