



Riley Duren, CEO Carbon Mapper

Riley Duren is Chief Executive Officer for Carbon Mapper and a Research Scientist at the University of Arizona. He also maintains a joint appointment as an Engineering Fellow at NASA's Jet Propulsion Laboratory where he supports other earth science programs. From 2008-2019 he served as Chief Systems Engineer for the JPL's Earth Science & Technology Directorate with a portfolio including spaceborne instruments and missions, airborne studies, research and analysis, and applied science. For over three decades he has worked at the intersection of science and engineering to deliver observational systems including seven successful satellite missions ranging from earth-mapping radars to telescopes in deep space. He served as Chief Engineer for the Kepler mission that conducted a major survey of earth-size planets around other stars. Since 2008 he has worked to extend the discipline of systems engineering to the challenge of societal decision-making for climate change responses with a focus on greenhouse gas mitigation. He is currently Principal Investigator on two NASA funded research projects focused on multi-scale methane and CO<sub>2</sub> monitoring and has led previous projects on the same topic for NASA, CARB, and the National Institute of Standards and Technology.