

Personal Introduction and Background: My name is William Tad Pfeffer. I am a glaciologist employed by the University of Colorado at Boulder, where I am a Professor of Civil, Environmental, and Architectural Engineering, and a Fellow of the University's Institute of Arctic and Alpine Research (INSTAAR). I have been at UC Boulder for 31 years, and have been an active glaciological researcher for 40 years. My particular sphere of expertise is in the study of the world's "small" glaciers – meaning all of the world's ca. 200,000 glaciers exclusive of the two ice sheets covering Greenland and Antarctica. I have worked extensively in glaciological laboratory experiments, numerical modeling, and theoretical analysis, and have conducted hundreds of field expeditions over 35 years in the Continental USA, Alaska, Canadian Arctic, Svalbard, Greenland, Antarctica, the Himalayas, and Africa. I have published over 60 papers in the refereed scientific literature, including several seminal and highly-cited studies of glacier physics and of global glacier contributions to sea level rise. I served as a co-author of the 2012 National Research Council Report "Sea Level Rise for the Coasts of California, Washington, and Oregon: Past, Present, and Future." I was also a Lead Author for Chapter 13 (Sea Level Change) of the IPCC Fifth Assessment (AR5), Working Group 1, in 2013. Most recently, I have shifted my focus to science planning and policy and to the historical development of glaciological and sea level research. Starting in 2013, I was a founding editor of the Oxford University Press Handbook Series on Planning for Climate Change Hazards. I also served in 2015-16 as a National Academy of Sciences Jefferson Fellow; in this capacity, I worked at USAID in Washington DC as a senior science advisor in the Office of Energy and Infrastructure, Europe and Eurasia.