

Why Do We Know About Near-surface Winds, And How Do We Know It?

Dr. Adam Monahan

Professor, School of Earth and Ocean Sciences,
University of Victoria

Understanding the variability of near-surface winds is important for climate modelling and analysis, for characterizing extreme wind events, and for assessing the wind power resource. Recent advances in observational datasets, numerical modelling, and theoretical analysis are allowing for rapid development of this understanding. In this talk, Adam will discuss the sources of information that we have about surface winds, addressing both their strengths and their weaknesses. He will also discuss insights obtained from recent modelling activities.