



From academy to society and back: answers blowing in the wind.

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The variability of wind speed and direction at regional and local spatial scales generates many interesting scientific questions related to the reliability of observations and their ability to represent surface wind. Proper characterization of wind fields has a direct impact on our ability to model these variables with statistical and/or dynamical downscaling approaches, as well as for the understanding of the processes that provide a balance between the driving large scale circulation and the local effects like topography or thermal contributors. The very local character of (complex) topography or land use details poses challenges for high-resolution regional modeling and model-data comparison. This lecture will provide an account of our experience with some of the scientific problems in this area. We will also explore how scientific and academic interest can jointly be potentially useful for society and contribute to specific needs of the public and private energy sectors, and how this experience can stimulate academic and scientific development.

All are welcome.

Monday, **November 17th**, 2014

12:15 -13:05

Physical Sciences Centre 2041



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