



Pacific Institute *for the*  
Mathematical Sciences

# Big Data in Environmental Science

11-15 May, 2015

University of British Columbia

The extraordinarily broad field of Environmental Science faces an explosion in the amount of data and in the dimension of records captured. We will bring together methodologists building relevant tools in such areas as Laplace approximation techniques in high-dimensional Gaussian process modeling, stochastic PDE approaches to stochastic prediction and interpolation, state space models for big data, data compression, big data visualization tools, parallel processing and data management tools for statistical analysis, and sparsification techniques, with statisticians and other mathematical scientists working directly with research groups in the environmental sciences. We will let real problems motivate methodological development and at the same time help data analysts understand the developing tools.

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**WEBSITE & REGISTRATION:** [www.pims.math.ca/scientific-event/150511-bdes](http://www.pims.math.ca/scientific-event/150511-bdes)

