

## Overview of the 2015 Pan Am Games Legacy Data Set

Craig Stroud, Air Quality Research Division, Environment and Climate Change Canada  
David Sills, Meteorological Research Division, Environment and Climate Change Canada

As part of the 2015 Toronto Games, ECCC developed an ambitious set of atmospheric science projects to support the common goal of showcasing new monitoring technologies, forecasting tools and derived products for severe weather, heat indices and the air quality health index. The demonstration enhanced collaboration among atmospheric groups in the MSC and Science and Technology Branches by aligning the projects to a common domain (Greater Golden Horseshoe Area) and time period (summer 2015). The demonstration was successful in providing enhanced high-resolution, real-time environmental monitoring and forecast products for the Games and creating a unique legacy dataset for subsequent research.

In this presentation, we will highlight the various measurement data sets and modelling products that were generated during the Games. Many of these are now in the Government of Canada open data archive. These data sets are available to the public on the website ([http://open.canada.ca/data/en/dataset?q=Pan+American&portal\\_type=dataset](http://open.canada.ca/data/en/dataset?q=Pan+American&portal_type=dataset)) or available on request from the principal investigators.