

## Community Multiscale Air Quality (CMAQ) Model Version 5.4

Fahim Sidi<sup>1</sup>, K. Wyat Appel<sup>1</sup>, Jesse Bash<sup>1</sup>, Russell Bullock<sup>1</sup>, Emma D'Ambro<sup>1</sup>, Kathleen Fahey<sup>1</sup>, Sara Farrell<sup>2</sup>, Kristen Foley<sup>1</sup>, Robert Gilliam<sup>1</sup>, Barron Henderson<sup>3</sup>, Jerry Herwehe<sup>1</sup>, Christian Hogrefe<sup>1</sup>, William Hutzell<sup>1</sup>, Daiwen Kang<sup>1</sup>, Mike Madden<sup>2</sup>, Megan Mallard<sup>1</sup>, Rohit Mathur<sup>1</sup>, Ben Murphy<sup>1</sup>, Sergey Napelenok<sup>1</sup>, Chris Nolte<sup>1</sup>, Bryan Place<sup>2</sup>, Jonathan Pleim<sup>1</sup>, George Pouliot<sup>1</sup>, Havala Pye<sup>1</sup>, Golam Sarwar<sup>1</sup>, Donna Schwede<sup>1\*</sup>, Tanya Spero<sup>1</sup>, Jeff Willison<sup>1</sup>, David Wong<sup>1</sup>

<sup>1</sup>U.S. EPA Office of Research and Development, Research Triangle Park, NC |<sup>2</sup>ORISE Post-doc Research Fellow |<sup>3</sup>U.S. EPA Office of Air Quality Planning and Standards, Research Triangle Park, NC | <sup>\*</sup>Retired

- CMAQv5.4 is a major update to the CMAQv5.3 series
- Updates include changes to:
  - Chemistry
  - Natural Emissions Characterization
  - Instrumented Methods
  - Aerosol Dry Deposition
  - Diagnostic Capabilities
  - WRF-CMAQ Coupled Model





