

## PROJECT INFORMATION

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**Project title:** EURODELTA III [Intercomparison of European Air Quality Models]

**Project ID:** 66

**Contact person:** Mark R. Theobald (mark.theobald@ciemat.es)

## PROJECT DESCRIPTION

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EURODELTA was initiated by the Task Force on Measurements and Modelling under the Convention on Long-Range Transboundary Air Pollution. The EURODELTA III exercise will compare and evaluate the predictions of three chemical transport models applied to the whole of Europe for four periods: June 2006, January 2007, September 2008 and February 2009. The evaluation of the models requires the comparison of the model predictions of atmospheric concentrations and deposition rates with measurement data from European networks.

### Analysis methods

The analysis methods used will be similar for both projects. The models' predictions of atmospheric concentrations and deposition rates will be compared statistically with the available measurement data for the study periods and domains. The statistical analysis will include the calculation of model performance indicators such as Mean Bias, Root Mean Square Error, Correlation Coefficients, Mean Fractional Error, etc. in order to assess the performance of individual models as well as compare model performance.