



## Particulate matter - projects and objectives

<p><b>Project 2.1</b></p>	<p><b>Chemical Modelling of Aerosol Formation</b></p> <p>Develop and validate a robust module for describing the chemical PM fraction and its relation to sources.</p> <p><b>Project leader:</b> David Simpson, Norwegian Meteorological Institute (MET.NO).</p>
<p><b>Project 2.2</b></p>	<p><b>Developing dynamic particle description including formation, growth and deposition</b></p> <p>To develop and evaluate a computationally fast aerosol dynamics module, capable of simulating the aerosol size distribution and composition in the framework of 3-D Eulerian CTM (Chemical Transport Modelling) on local to regional scale.</p> <p><b>Project leader:</b> Valentin Foltescu, SMHI.</p>
<p><b>Project 2.3</b></p>	<p><b>Construct emission databases for dynamic particle models and validate urban models concerning particle size distribution and chemistry</b></p> <p>Development of source specific particle-size resolved emission factors for both number and mass suitable for both urban and regional particle dynamic models that describe how the particle-size distribution develop and disperse over an urban area.</p> <p><b>Project leader:</b> Christer Johansson, ITM, Stockholm University.</p>
<p><b>Project 2.4</b></p>	<p><b>Aerosol OA sampling and <sup>14</sup>C analysis</b></p> <p>Aerosol sampling and <sup>14</sup>C analysis for producing data to be used to develop and validate the OA module to be implemented in the 3D chemical aerosol model.</p> <p><b>Project leader:</b> Kristina Stenström, Lund University, Department of Physics, Division of Nuclear Physics.</p>