



## Ecosystem effects - projects and objectives

<p><b>Project 3</b></p>	<p><b>Ecosystem effects</b></p> <p>The objective is to improve our understanding of short and long term effects of nitrogen deposition with respect to recovery from acidification, biodiversity and eutrophication and to provide scientific support for measures to reduce negative impacts on the environment.</p> <p><b>Project leader:</b> Cecilia Akselsson, IVL, Swedish Environmental Research Institute.</p>
<p><b>Project 3.1</b></p>	<p><b>Nitrogen cycling in forest ecosystems</b></p> <p>To further clarify the fate and impacts of nitrogen in forest ecosystems. This includes the role of nitrogen in acidification and recovery from acidification of forest soils and surface waters, and to correlate soil nitrogen processes to vegetation responses. Also to study ecosystem biodiversity, focusing on the interactions between plants and their natural enemies that contribute to the governing of ecosystem species composition. This particularly in response to low doses of nitrogen input as well as vegetation recovery following decreased nitrogen input.</p> <p><b>Project leader:</b> Cecilia Akselsson, IVL, Swedish Environmental Research Institute.</p>
<p><b>Project 3.2</b></p>	<p><b>Dynamic nitrogen model development and evaluation</b></p> <p>To evaluate and further develop dynamic models for nitrogen in forest ecosystems including vegetation interactions, and to develop policy relevant tools such as critical loads to be used in national and international assessment and abatement activities on air pollution.</p> <p><b>Project leader:</b> Salim Belyazid, IVL, Swedish Environmental Research Institute.</p>