

## The Nordic-Baltic co-operation on the EMEP Assessment Reporting

Abstract /Pia Anttila

Participating countries are Denmark, Estonia, Finland, Latvia, Lithuania, Norway and Sweden. Project is funded by the Nordic Council of Ministers. The participating countries had very different starting points for this project. While the Nordic countries had quite recently prepared broad trend studies the Baltic countries indicated that they first of all are in need of statistical and other tools for such analyses. A common approach was agreed. All participating countries should prepare a national study about the sources and trends of acidifying substances with shared tools. The developed tools should be based on software that we all have access to. The national studies would then be summarised on a wider Nordic-Baltic perspective.

The tools developed for this joint approach were the so called sector template (originally developed by NILU and slightly modified by FMI), which utilises the wind trajectories provided by the MSC-W, and calculates the atmospheric concentrations in each sector. The other developed tool is the (excel)-template which calculates the trend statistics of the annual time series (MAKESENS).

We have planned the following structure for our joint reporting:

1. Background, common part for all
2. Methods used, common part for all
3. Results (all countries separately)
  - description of sites, measurements, methods and data quality
  - annual trends for air and precipitation concentrations (annual and sectoral)
  - discussion of trends in relation to emissions and meteorology/climatology and data quality
4. Nordic-Baltic summary

Now we are in the phase of preparing the national contributions.