Descargado desde:
Troposfera.org

MSC-W Data Note 1/2005, Corrigendum
Date: September 2005

METEOROLOGISK INSTITUTT
Norwegian Meteorological Institute

Corrigendum to Transboundary air pollution by main pollutants (S, N, O_3) and PM

Spain

EMEP/MSC-W: Heiko Klein, Peter Wind, Maarten van Loon

Corrigendum to Data Note 2005, September 12, 2005

The latest PDF version available from `http://emep.int` contains the corrections in this corrigendum.

ISSN 0804-2446

Corrigendum (12.09.2005)

Definitions, statistics used

The description of PPM has been split to $PPM_{2.5}$ and PPM_{coarse}.The description of PM_{coarse} has been included:

$PPM_{2.5}$ denotes fine primary particulate matter, originating directly from anthropogenic emissions with aerosol diameters below 2.5 μm.

PPM_{coarse} denotes coarse primary particulate matter, originating directly from anthropogenic emissions with aerosol diameters between 2.5μm and 10μm.

PM_{coarse} denotes particulate matter, defined as the integrated mass of aerosol with diameter between 2.5 μm and 10 μm. In the Unified EMEP model PM_{coarse} is calculated as the sum: PM_{coarse} = NO_3^-(coarse) + PPM_{coarse}

Transboundary concentrations of particulate matter

In Figure 21 the PM_{coarse} map of transboundary contributions used the EU and the countries of the EU as different contributors, thus double-counting those countries. The correct figure can be seen below:

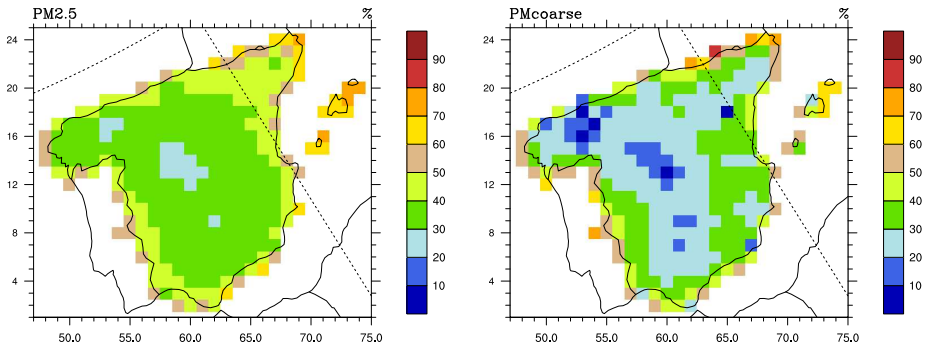
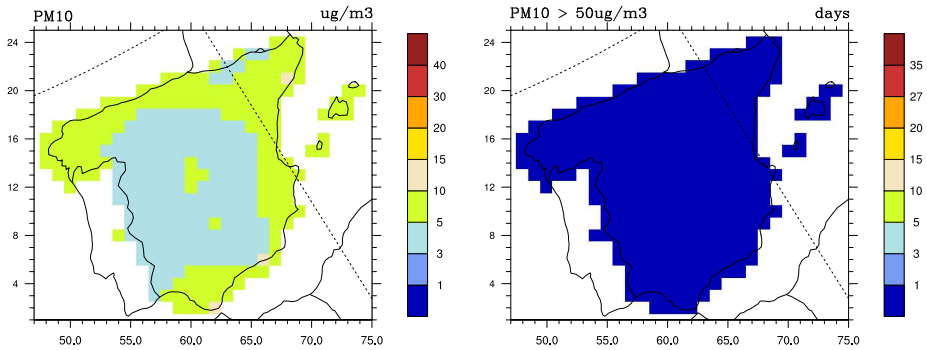


Figure 21: Changes in PM2.5 and PMcoarse concentrations in Spain due to 15% emission reductions from other countries, transboundary contribution. Units: (%)

Regional PM_{10} values

In Figure 28 the figure captions have been rephrased to emphasize the distinction between the EU limit values of urban measurements, and the regional background levels. Note also that the color scale has been revised to allow a better description of differences inside countries.



(a) Annual mean of PM_{10}: The EU limit level is $40\mu g/m^3$.

(b) Days with $PM_{10} > 50\mu g/m^3$. The EU limit number is 35 days.

Figure 28: Regional contribution to annual PM_{10} concentrations in Spain in 2003. Note that these are regional background levels, and consequently lower than urban concentrations for which the EU limit values apply.