

## Supplementary material

The following figures show the trends in concentrations for PM<sub>2.5</sub>, Crustal Material, Organic Carbon, Marine Aerosol, Elemental Carbon, Sulphate, Nitrate and Ammonium for winter (Dec, Jan, Feb, March), spring (April, May), summer (June, July, Aug) and autumn (Sept, Oct, Nov).

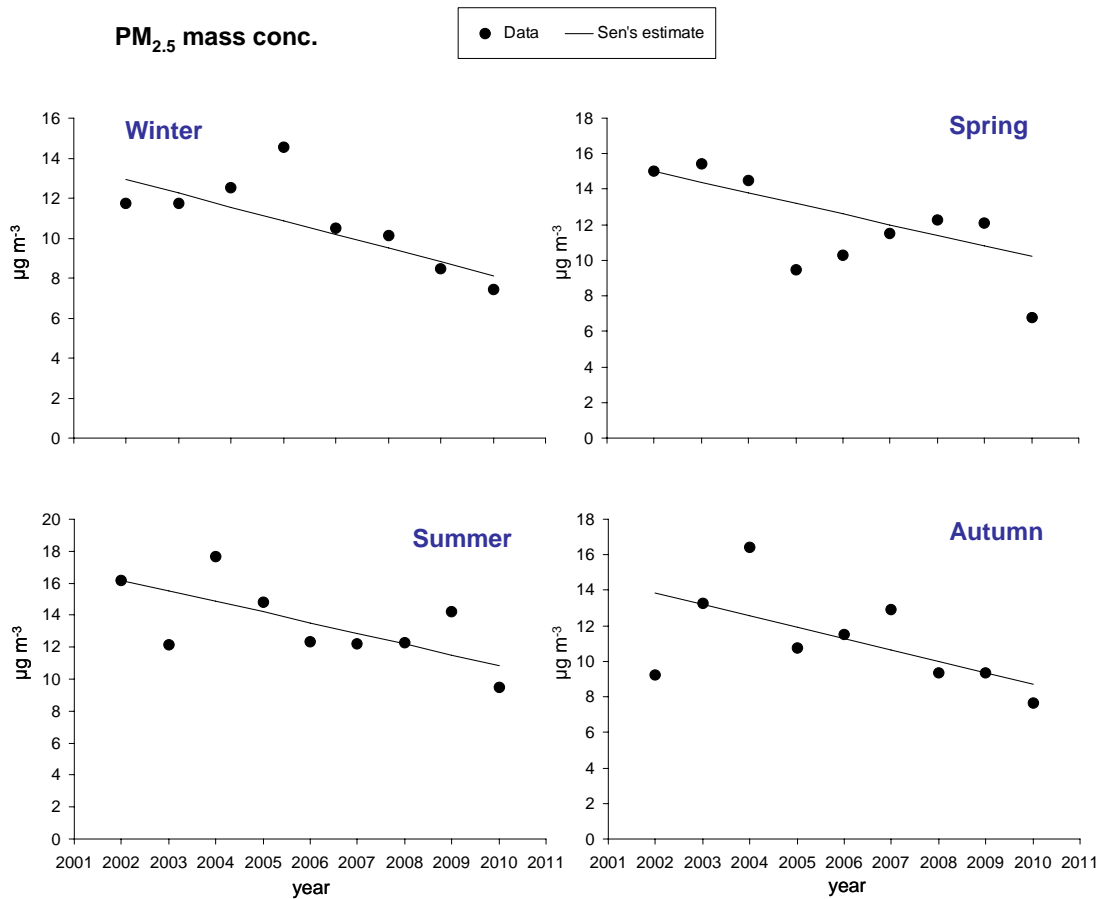


Figure 1. Trends for PM<sub>2.5</sub> for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).

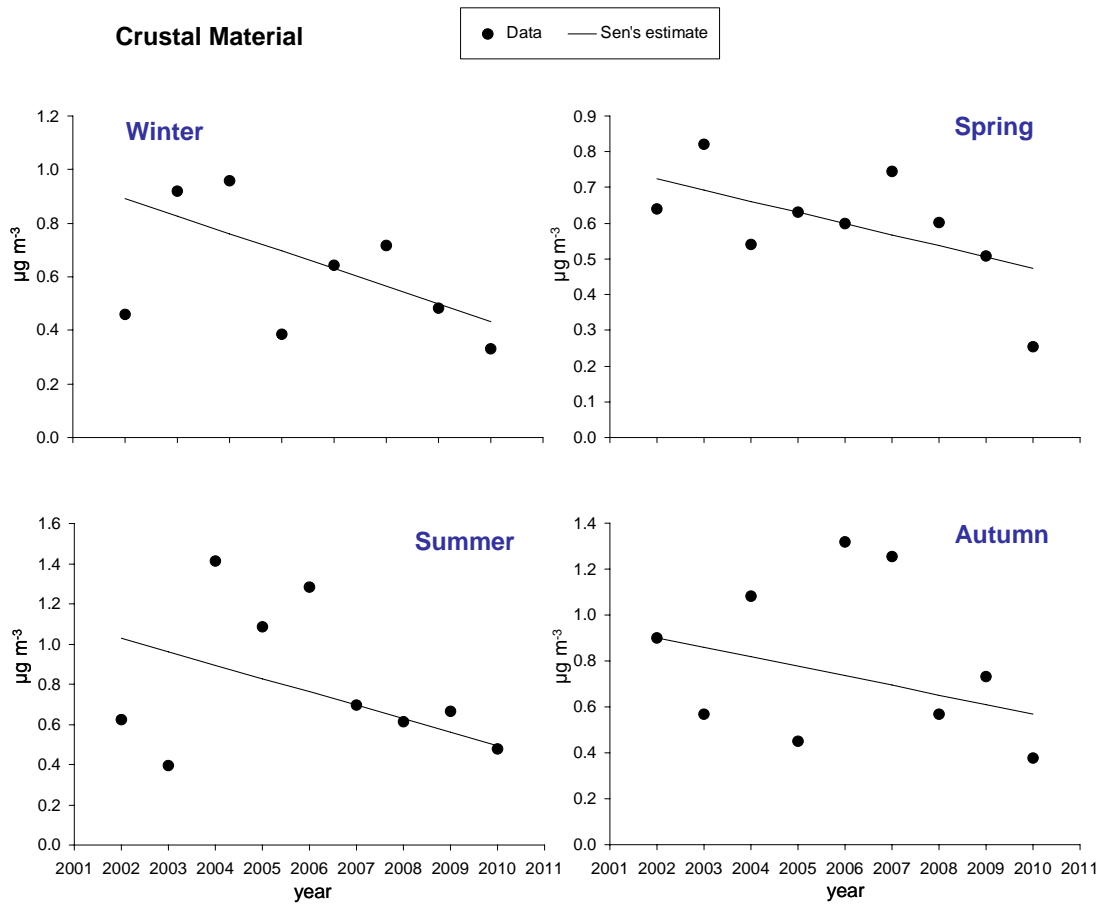


Figure 2. Trends for Crustal Material concentrations for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).

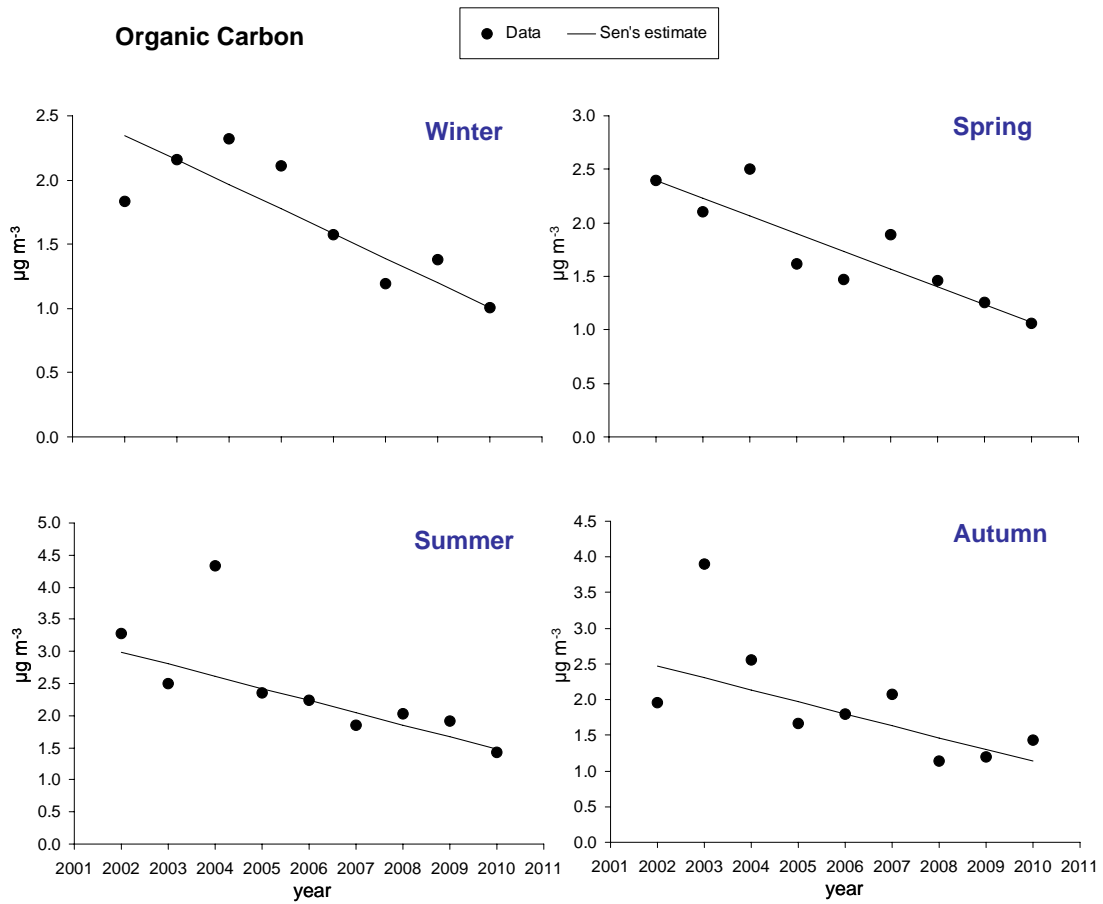


Figure 3. Trends for Organic Carbon concentrations for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).

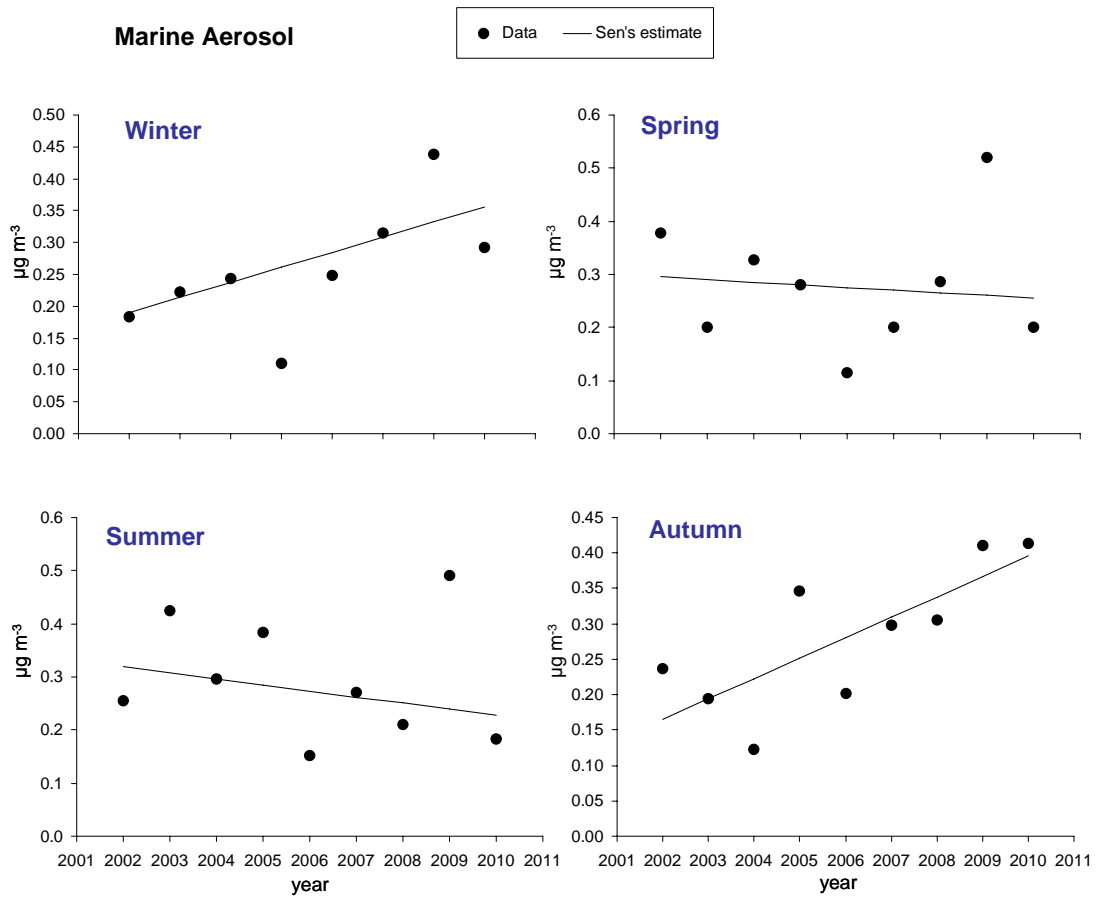


Figure 4. Trends for Marine Aerosol concentrations for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).

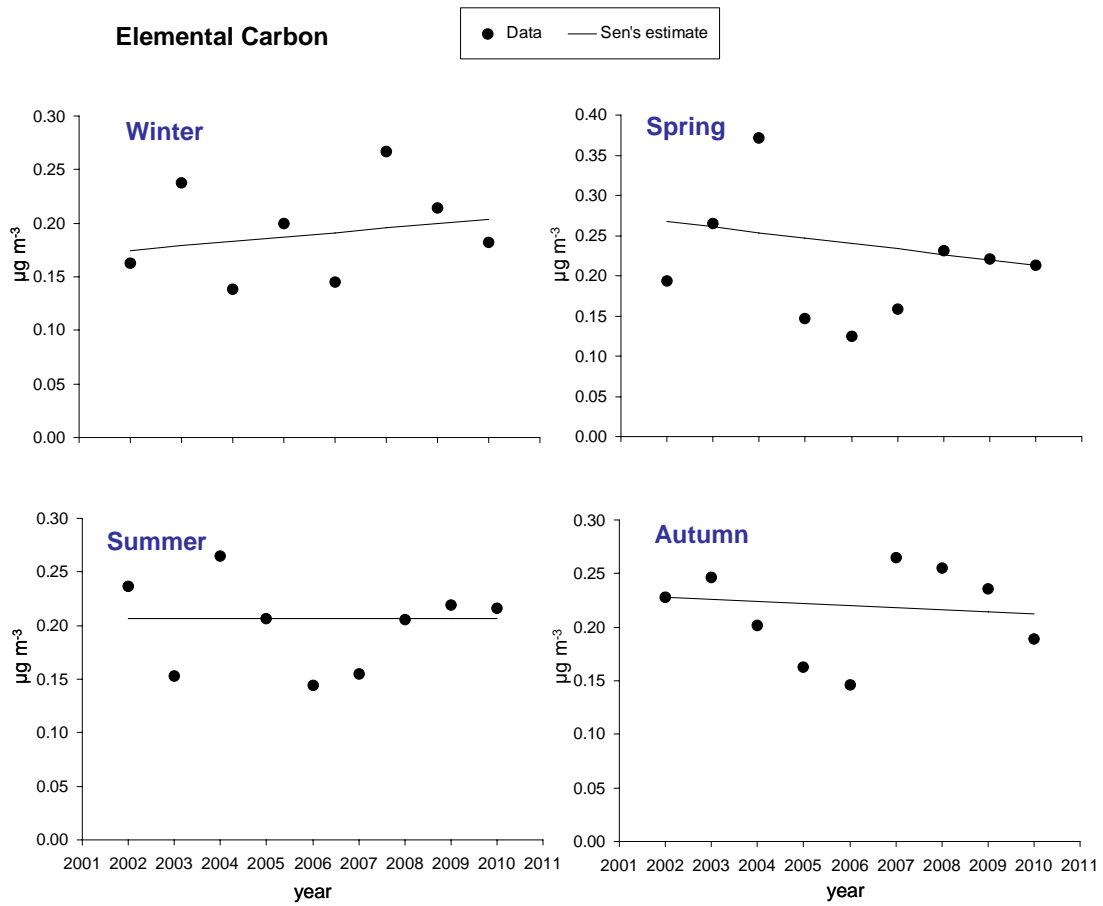


Figure 5. Trends for Elemental Carbon concentrations for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).

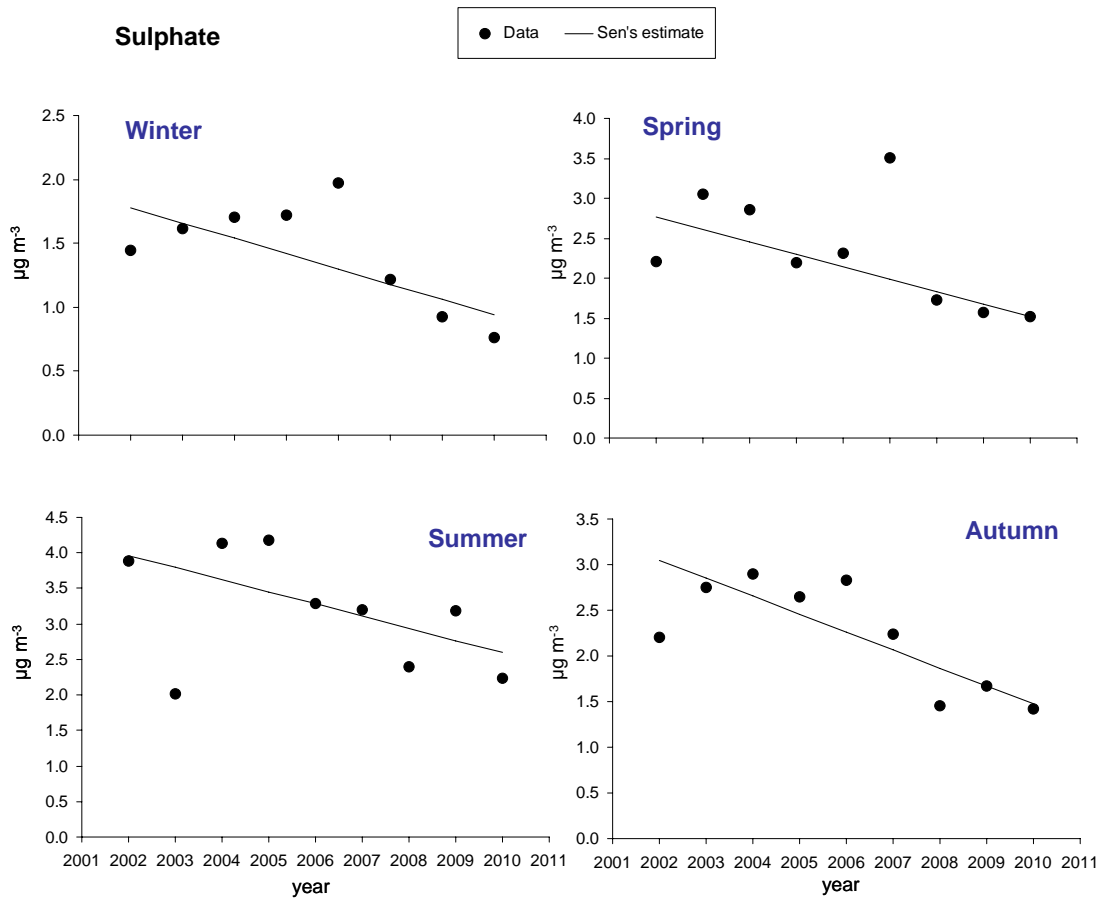


Figure 6. Trends for Sulphate concentrations for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).

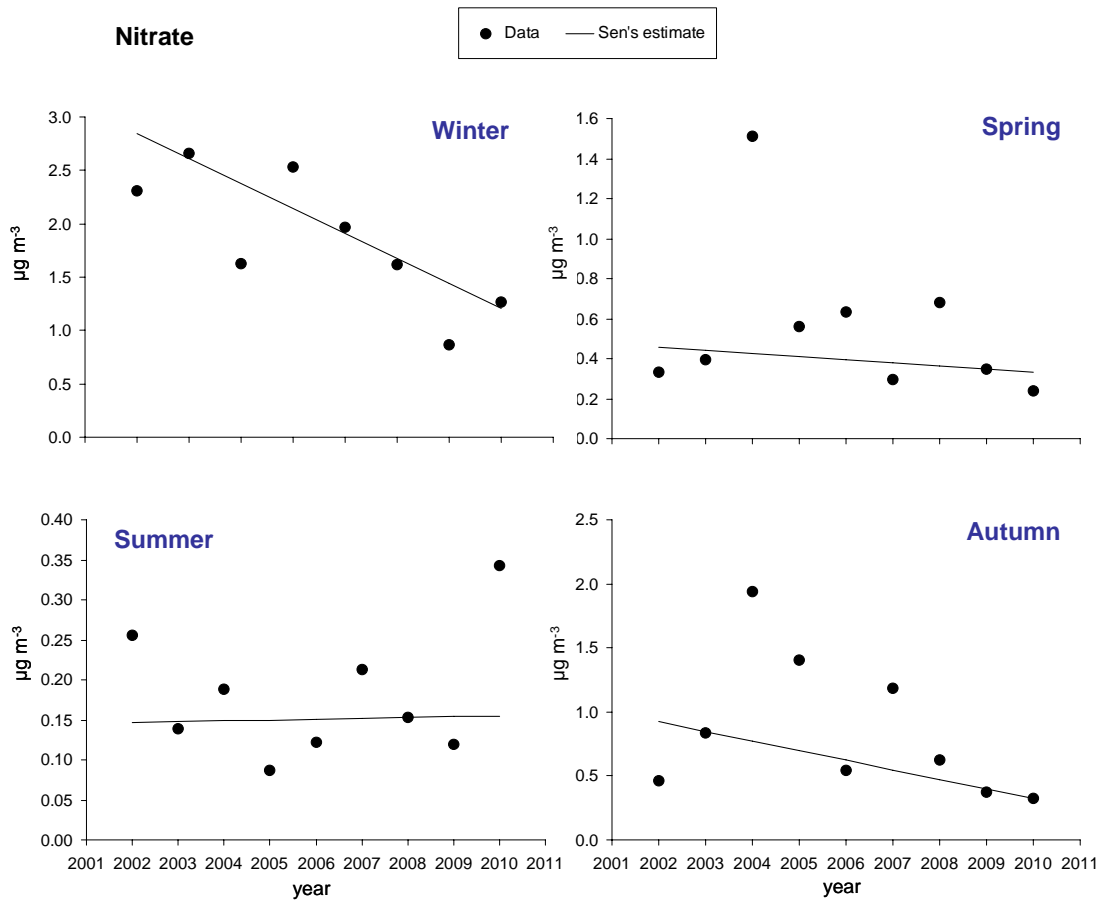


Figure 7. Trends for Nitrate concentrations for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).

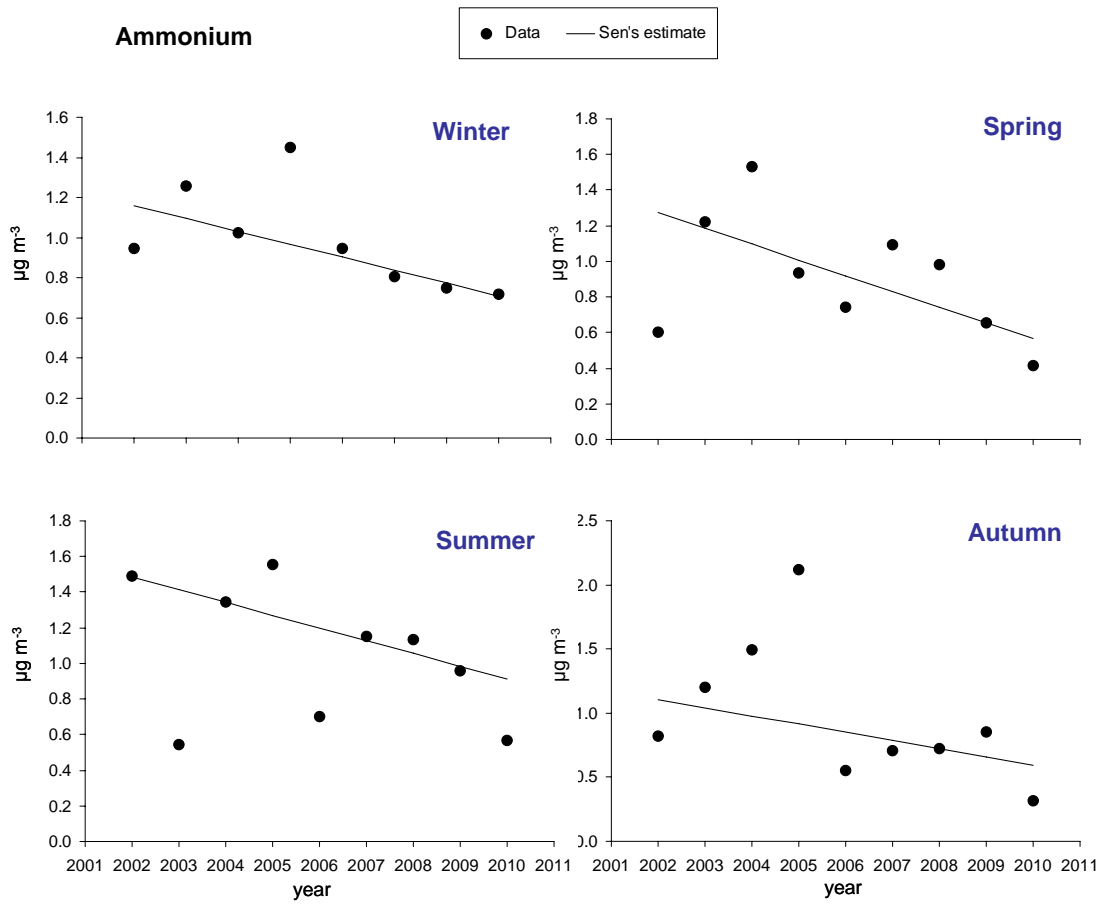


Figure 8. Trends for Ammonium concentrations for each season by means of the Mann-Kendall test and Sen's method using MAKESENS (Salmi et al., 2002).