

Project Number 282910

ÉCLAIRE

**Effects of Climate Change on Air Pollution Impacts and Response Strategies for
European Ecosystems**

Seventh Framework Programme

Theme: Environment

**MS52 Assignment of thresholds of O₃ damage and BVOC-mediated O₃ detoxification
capacity**

Concurrent measurements of stomatal ozone uptake, gross primary production and BVOC fluxes coupled with a literature survey highlighted an elevated variability of the three variables so that no statistically significant effect was detected. We conclude that, based on the present knowledge, a zero threshold (=no threshold) should be assigned for the BVOC-mediated detoxification of O₃ damage.