



## **Ground-based aerosol optical depth inter-comparison campaigns at EUSAAR sites in Europe**

S. Nyeki, J. Gröbner, and C. Wehrli

PMOD/WRC, Dorfstrasse 33, CH-7260 Davos Dorf, Switzerland (stephan.nyeki@pmodwrc.ch)

Nine aerosol optical depth (AOD) inter-comparison campaigns were conducted in 2008 - 2011 at EUSAAR (European Super-Sites for Atmospheric Aerosol Research) sites throughout Europe. A PFR (precision filter radiometer) travelling standard from the GAW-PFR network measured at EUSAAR sites having a CIMEL AERONET sun-photometer. Concurrent AOD data at two co-incident wavelength channels (nominally 500 and 865 nm) showed exceptionally good agreement in general. A summary of these measurements as well as interesting cases of poorer agreement will be discussed.