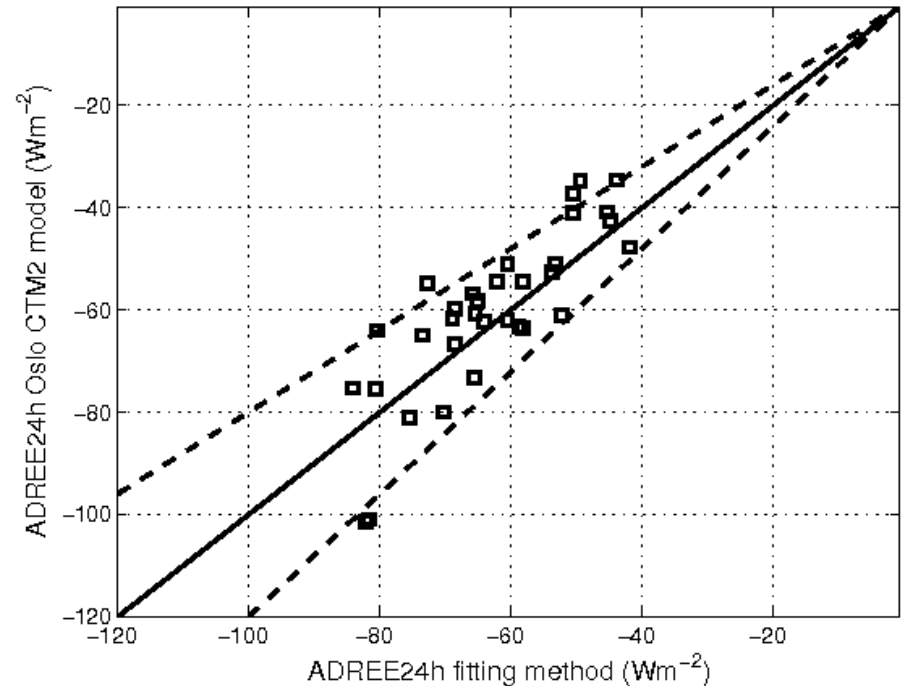




Aerosol direct radiative effect efficiency (ADREE) at the surface determined at various locations in the world, Huttunen et al.

- The seasonal $ADREE_{24h}$ values were determined with measurements of AOD and solar flux at the BOA and then compared to the corresponding Oslo CTM2 values (Fig.)
- 24 stations globally and seasons of DJF (Dec.-Feb.), MAM (Mar.-May), JJA (Jun.-Aug.) and SON (Sep.-Nov.) were used
- There is a good agreement between the $ADREE_{24h}$ values



- Seasonal $ADREE_{24h}$ values determined with measurements (the horizontal axis) and with Oslo CTM2 (the vertical axis). 1:1 line (continuous) and $\pm 20\%$ (discontinuous) are included.