Temperature dependent emissions

\[ y = -4.9963x + 240.18 \]
\[ R^2 = 0.928 \]

\[ y = -6.5894x + 192.17 \]
\[ R^2 = 0.9769 \]

Simulated and observed changes of aerosol size distribution properties during southerly and northerly transport under clear sky conditions.

Aspvreten

Värriö

Hyytiälä

Värriö/Pallas

~85 hours

~66 hours
Modelled and observed aerosol number size distribution at Värriö after 60h of transport from Hyytiälä during cloudy conditions.

![Graph showing aerosol number size distribution](image)

Work so far and to come at ITM

- Pseudo Lagrangian evaluation of particle size distribution during wet transport
- Continuous soot measurements on going in background sites and some urban sites
- Campaigns in Stockholm, Santiago, and Temuco where soot is a component, performed at high way, street canyon and wood combustion community.
- Development and testing of OC/EC instrumentation is now starting.
- Modelling of the life cycle of soot on local and regional scale to be started.