

## ***Interactive comment on “Aerosol hygroscopicity at Ispra EMEP-GAW station” by M. Adam et al.***

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I would like to mention, with respect to Fig. 2, that the contribution of certain particle sizes to scattering, absorption and extinction is not represented by the product of number concentration times efficiency but by surface (that is geometrical cross section) concentration times efficiency. So, I have the impression that the factor  $\frac{\pi}{4} d^2$  is missing here. Including this factor, the thick colored curves in Fig. 2 would probably shift to larger diameters (see Otto et al., ACP, 7, 4887–4903, 2007, Fig. 16). This correction might also influence some interpretations of the figure in the main text.

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Interactive comment on Atmos. Chem. Phys. Discuss., 12, 5293, 2012.

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