

***Interactive comment on “Transport of desert dust mixed with North African industrial pollutants in the subtropical Saharan Air Layer” by S. Rodríguez et al.***

**Y. Erel**

yerel@vms.huji.ac.il

Received and published: 14 March 2011

Hi,

I would like to draw your attention to three studies conducted in the Middle East which recorded the association between dust storms and pollution:

Falkovich, A. H., G. Schkolnik, et al. (2004). Adsorption of organic compounds pertinent to urban environments onto mineral dust particles. *Journal of Geophysical Research-Atmospheres* 109(D2).

Erel, Y., U. Dayan, et al. (2006). Trans boundary transport of pollutants by atmospheric

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



mineral dust. Environ. Sci. & Technol. 40: 2996-3005.

Kalderon-Asael, B., Y. Erel, et al. (2009). Mineralogical and chemical characterization of suspended atmospheric particles over the east Mediterranean based on synoptic-scale circulation patterns. Atmospheric Environment 43(25): 3963-3970.

The first paper describes the nature of organic pollutants adsorbed to the dust. The second paper uses Pb isotopes which might be useful in tracing P sources. The third paper reports a similar grain size distribution of the dust samples.

---

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 8841, 2011.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper