



Interactive
Comment

Interactive comment on “PM₁ geochemical and mineralogical characterization using SEM-EDX to identify particle origin – Agri Valley pilot area (Basilicata, Southern Italy)” by S. Margiotta et al.

Anonymous Referee #2

Received and published: 18 March 2015

The paper is very interesting, of broad interest, being also well written and documented, therefore I report here a few detailed remarks that may help the authors to improve the manuscript .

1. In the title, you write “PM₁ geochemical”, however in the text you don’t report geochemical data and you don’t make a significant discussion on it. In the present form the title isn’t conform to contents. I strongly suggest to change “geochemical” with “chemical”. 2. I think a few data about geological framework have to be added in the Pilot Site section; 3. In this paper, wide importance was attributed to coarser fraction of the samples skipping the finer one. However the author claim “ . . . the finer particles

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consist mainly of anthropogenic or composite origin aerosol ...”. In order to improve the reasoning, it could be better including discussion on the finer fraction 4. Figure 2. The reference are missing, please indicate it. 5. Figures 5-6-7-8. You should insert the date of burning torch flare event.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 291, 2015.

NHESSD

3, C243–C244, 2015

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