

## ***Interactive comment on “Electrical resistivity tomography for studying liquefaction induced by the May 2012 Emilia-Romagna earthquake ( $M_w = 6.1$ , North Italy)” by A. Giocoli et al.***

**A. Giocoli et al.**

alessandro.giocoli@enea.it

Received and published: 4 December 2013

1) Referee: Page 5, line 21 resistivity. The Wenner-Schumberger array gave the best result. In all cases the Root

1) Authors: ok

2) Referee: Page 6, lines 2-5 characteristics. In general, the higher resistivity values ( $> 15$  ohm.m) are related to the Fluvial Channel Unit (FCU), the medium resistivity values ( $13 < \text{ohm.m} < 40$ ) to the Pleistocene Alluvial Plain Unit (PAPU) and the lower resistivity values ( $< 20$  ohm.m) to the Marshes Unit (MU).

C1954

2) Authors: ok

3) Referee: Figure 1 I suggest to change the letters in sub-figures, in particular photo d=c and map c=d. Consequently: Caption Figure 1 Fig. 1. (a) Simplified tectonic map showing the epicentre of the 20 May 2012 Emilia-Romagna earthquake (modified from CNR-PFG, 1991). Sketch map of the surface deposits derived from digital elevation models, field observations and boreholes. (b) San Carlo, hamlet of Sant'Agostino. Black triangle is the location of photo (c). (d) Mirabello.

3) Authors: ok

---

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 5545, 2013.

C1955