**Atmospheric
Measurement
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Discussions

Interactive comment on "EARLINET: towards an advanced sustainable European aerosol lidar network" *by* G. Pappalardo et al.

Anonymous Referee #1

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This paper provides an overview of the EARLINET lidar network and this special issue of AMT documenting its productivity since 2000. The paper is extremely well written and an excellent tutorial of the rationale behind the network, the necessary information to understand the papers within the issue and the future of the network. Several scientific applications (volcanic plumes and satellite validation) are discussed by reference. The paper provides an extensive list of references which will serve to shorten the requirements for the papers in the issue to include them all.

I have a few typos:

pg 2932 line 10: this sentence is awkwardly constructed and could read more directly ("It depends" doesn't say what "It" is)... reword.

Page 2940: line 22 "wasg" » "was"

pg 2942 line 13 "manpower" is one word

pg 2950: line 17: what is "CERA"?

pg 2952: line 6: explain that ALINE is the "South American" lidar network

line 12: CLN is the acronym for the "CREST Lidar Network"

pg 2954: line 13 This sentence is awkward brief overview over selected????

pg 2958: line 23: "instrumentation" drop the "s"

Figure 3: Perhaps the Leipzig system can be shown without the annotations which will be unreadable anyway and is out of balance with the other systems.

Figure 4: This would be more readable if the table were unshaded and the font a little larger in the figure. The gray background makes the fonts unreadable.

Figure 6, 7: The color on the bars does not add to the information transfer. Save yourself the publishing cost and make them gray or black.

Otherwise, publish as is.

Interactive comment on Atmos. Meas. Tech. Discuss., 7, 2929, 2014.