Call for nominations
Best Paper in Pedometrics 2014

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Pedometrics commission of the International Union of Soil Sciences
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Dear fellow Pedometricians,

Following the successful process for Best Paper in Pedometrics 2013, won by Titia Mulder and colleagues[1], we are now ready to repeat the process for papers published in 2014. Both the 2013 and 2014 awards will be presented at Pedometrics 2015 (September, in Córdoba, Andalucía, Spain). This is a prestigious award, which recognizes work that is judged to be of importance and of excellent quality by your peers. It stimulates us all to do top-quality, influential and innovative work. The quantity and quality of work in our field is outstanding, and with this award we recognize the best, and also give the nominated papers well-deserved exposure.

The procedure is as follows:

1. You are all now invited to **nominate** one or more papers. They must be **relevant to pedometrics** and have been **published in recognized journals** with a **final publication date in calendar year 2014** CE. These can be from "usual" journals for pedometricians, such as Geoderma and European Journal of Soil Science, but can also be from journals where we do not publish so much -- this would encourage us all to scan these journals. You may nominate a paper on which you are (co)-author.

2. The nominations and justifications will be assembled by me, and sent for review to the committee:

> David G. Rossiter (Cornell University (USA), ISRIC)
> Sabine Grunwald (University of Florida, USA)
> Alex McBratney (University of Sydney, Australia)
> Margaret Oliver (University of Reading, UK)
> Lin Yang (Chinese Academy of Sciences,
>   State Key Laboratory of Resources and
>   Environmental Information Systems, PRC)

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[1] Mulder, V.L., Plötze, M., de Bruin, S., Schaepman, M.E., Mavris, C., Kokaly, R.F., Egli, M., 2013. Quantifying mineral abundances of complex mixtures by coupling spectral deconvolution of SWIR spectra (2.1–2.4 μm) and regression tree analysis. Geoderma 207–208, 279–290. doi:10.1016/j.geoderma.2013.05.011

We will independently grade the papers (0 to 10); I will average the scores; the **five** with the highest average will be then definitively nominated. In the case that a committee member is the (co)-author of a nominated paper, s/he can not grade her/his own paper, so the average is from the remaining members.

3. The nominated papers will be placed on the **Pedometrics website**, announced in the **Pedometrics Google group**, in the **IUSS LinkedIn group**, the **IUSS Facebook page**, and in **Pedometron**. All self-declared pedometricians are encouraged to read the nominated papers and rank them in the single transferable vote (Hare) system (first choice, second choice... up till the last paper the voter is willing to vote for). Votes should then be sent to me from a traceable e-mail address (to prevent over-voting), over a period of at least a month, to be announced. Pedometricians can vote for their own paper but it is considered bad form (we are such a modest group... right?).

4. I will tally the votes according to the Hare system and determine the winner. Votes will be kept secret and you will just have to trust me to tally them honestly.

DEADLINE: for nominations is 21-March-2015; voting will be from mid-April to mid-May.

If you are confused about what exactly is "pedometrics" for the purposes of this award, please see the definition as approved by the IUSS, see http://pedometrics.org/ "What is Pedometrics?"

To give you an idea of the kind of pedometrics papers I enjoyed in 2014, have in my bibliographic database, and may nominate, here are a **few** of them. **There are surely many other worthy papers** and my reading is surely not comprehensive! **So we wait for your nominations!**

Baveye, P.C., & Laba, M. 2015. Moving away from the geostatistical lamppost: Why, where, and how does the spatial heterogeneity of soils matter? *Ecological Modelling* **298**, 24–38.

Bockheim, J.G., & Schliemann, S.A. 2014. Soil richness and endemism across an environmental transition zone in Wisconsin, USA. *CATENA* **113**, 86–94.

Brus, D.J. 2014. Statistical sampling approaches for soil monitoring. *European Journal of Soil Science* **65**, 779–791.

Collard, F., Kempen, B., Heuvelink, G.B.M., Saby, N.P.A., Richer de Forges, A.C., Lehmann, S., Nehlig, P., & Arrouays, D. 2014. Refining a reconnaissance soil map by calibrating regression models with data from the same map (Normandy, France). *Geoderma Regional* **1**, 21–30.

Hartemink, A.E., & Minasny, B. 2014. Towards digital soil morphometrics. *Geoderma* **230**, 305–317.

Hengl, T., de Jesus, J.M., MacMillan, R.A., Batjes, N.H., Heuvelink, G.B.M., Ribeiro, E., Samuel-Rosa, A., Kempen, B., Leenaars, J.G.B., Walsh, M.G., & Gonzalez, M.R. 2014. SoilGrids1km — Global Soil Information Based on Automated Mapping. *PLoS ONE* **9**, e105992.

Hughes, P.A., McBratney, A.B., Minasny, B., & Campbell, S. 2014. End members, end points and extragrades in numerical soil classification. *Geoderma* **226–227**, 365–375.

Lark, R.M., Rawlins, B.G., & Lark, T.A. 2014. Implications of the field sampling procedure of the LUCAS Topsoil Survey for uncertainty in soil organic carbon concentrations. p. 2196.

Lugumira, J.S., Brown, D.J., Dennison, P.E., Hansen, M.K., & Vierling, L.A. 2014. Delineating dambo catenary soil-landscape units using aerial gamma-ray and terrain data: a comparison of classification approaches. *International Journal of Remote Sensing* **35**, 8272–8294.

Odgers, N.P., Sun, W., McBratney, A.B., Minasny, B., & Clifford, D. 2014. Disaggregating and harmonising soil map units through resampled classification trees. *Geoderma* **214–215**, 91–100.

Poggio, L., & Gimona, A. 2014. National scale 3D modelling of soil organic carbon stocks with uncertainty propagation - An example from Scotland. *Geoderma* **232**, 284–299.

Stockmann, U., Minasny, B., & McBratney, A.B. 2014. How fast does soil grow? *Geoderma* **216**, 48–61.

And finally a paper I am not sure is Pedometrics, but I want to draw your attention to: Oliver, M.A., & Gregory, P.J. 2014. Soil, food security and human health: a review. *European Journal of Soil Science*, online 22-Dec-2014.