## CORRECTION

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# Correction to: Comparison of automatic and manual chamber methods for measuring soil respiration in a temperate broad-leaved forest

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### Correction to: Journal of Ecology and Environment (2018) 42:32 https://doi.org/10.1186/s41610-018-0093-0

Following publication of the original article (Lee, 2018), it was reported that a mismatch occurred between the online HTML article and the PDF version. In the PDF version of the article, text was missing on page 3 between "Rs was calculated from the rate of increase in CO2 concentration measured per unit of time (Eq. (1)):" and the equation "Rs (mg CO<sub>2</sub> m<sup>-2</sup> h<sup>-1</sup>) =  $a \cdot \rho \cdot V \cdot S^{-1n}$  (2)

The text from the beginning of page 3 should read as follows:

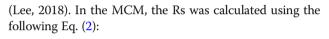
... AOCC system. Also, AOCC can minimize the artificial disturbance caused by the measurement because there is little access of the measurer around the measuring point. A detailed description of this type of system can be found in Suh et al. (2006) and Eom et al. (2018). Rs was calculated from the rate of increase in  $CO_2$  concentration measured per unit of time (Eq. (1)):

$$\operatorname{Rs}\left(\operatorname{mg}\operatorname{CO}_{2}\operatorname{m}^{-2}\operatorname{h}^{-1}\right) = a \cdot \rho \cdot L \cdot A^{-1} \tag{1}$$

where *a* is the increasing rate of the  $CO_2$  (ppm min<sup>-1</sup>) in the closed chamber system,  $\rho$  is the density of  $CO_2$ , *L* is the total volume of the closed chamber system (m<sup>3</sup>) included in chamber, tube, IRGA, pump etc., and *A* is the surface area in the chamber.

In the MCM, the  $CO_2$  concentration was measured using a closed chamber cap of approximately 15 cm high that was installed with a  $CO_2$  sensor (GMP343, Vaisala, Finland) at the top inner section. When the chamber cap was installed on the collar top, the  $CO_2$  concentration in the closed space between the ground and the chamber cap increased with time

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$$\operatorname{Rs}\left(\operatorname{mg}\operatorname{CO}_{2}\operatorname{m}^{-2}\operatorname{h}^{-1}\right) = a \cdot \rho \cdot V \cdot S^{-1} \tag{2}$$

The original article (Lee, 2018) has been updated.

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#### Reference

Lee. Comparison of automatic and manual chamber methods for measuring soil respiration in a temperate broad-leaved forest. J Ecol Environ. 2018;42:32. https://doi.org/10.1186/s41610-018-0093-0.

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