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Review

Erratum to: Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe's terrestrial ecosystems: a review

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Reichstein M., Ciais P., Papale D., et al., 2007. Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modeling analysis. *Global Change Biology*, 13(3), 634-651, doi:10.1111/j.1365-2486.2006.01224.x.