



## *Corrigendum to*

# **“Can current moisture responses predict soil CO<sub>2</sub> efflux under altered precipitation regimes? A synthesis of manipulation experiments” published in Biogeosciences, 11, 2991-3013, 2014**

S. Vicca<sup>1</sup>, M. Bahn<sup>2</sup>, M. Estiarte<sup>3,4</sup>, E. E. van Loon<sup>5</sup>, R. Vargas<sup>6</sup>, G. Alberti<sup>7,8</sup>, P. Ambus<sup>9</sup>, M. A. Arain<sup>10</sup>, C. Beier<sup>9,11</sup>, L. P. Bentley<sup>12</sup>, W. Borken<sup>13</sup>, N. Buchmann<sup>14</sup>, S. L. Collins<sup>15</sup>, G. de Dato<sup>16</sup>, J. S. Dukes<sup>17,18,19</sup>, C. Escobar<sup>20</sup>, P. Fay<sup>21</sup>, G. Guidolotti<sup>16</sup>, P. J. Hanson<sup>22</sup>, A. Kahmen<sup>23</sup>, G. Kröel-Dulay<sup>24</sup>, T. Ladreiter-Knauss<sup>2</sup>, K. S. Larsen<sup>9</sup>, E. Lellei-Kovacs<sup>24</sup>, E. Lebrija-Trejos<sup>25</sup>, F. T. Maestre<sup>20</sup>, S. Marhan<sup>26</sup>, M. Marshall<sup>27</sup>, P. Meir<sup>28,29</sup>, Y. Miao<sup>30</sup>, J. Muhr<sup>31</sup>, P. A. Niklaus<sup>32</sup>, R. Ogaya<sup>3,4</sup>, J. Peñuelas<sup>3,4</sup>, C. Poll<sup>26</sup>, L. E. Rustad<sup>33</sup>, K. Savage<sup>34</sup>, A. Schindlbacher<sup>35</sup>, I. K. Schmidt<sup>36</sup>, A. R. Smith<sup>27,37</sup>, E. D. Sotta<sup>38</sup>, V. Suseela<sup>17,39</sup>, A. Tietema<sup>5</sup>, N. van Gestel<sup>40</sup>, O. van Straaten<sup>41</sup>, S. Wan<sup>30</sup>, U. Weber<sup>42</sup>, and I. A. Janssens<sup>1</sup>

<sup>1</sup>Research Group of Plant and Vegetation Ecology, Department of Biology, University of Antwerp, Universiteitsplein 1, 2610 Wilrijk, Belgium

<sup>2</sup>Institute of Ecology, University of Innsbruck, Sternwartestr. 15, 6020 Innsbruck, Austria

<sup>3</sup>CSIC, Global Ecology Unit, CREAM-CEAB-UAB, Cerdanyola del Vallés 08913, Catalonia, Spain

<sup>4</sup>CREAF, Cerdanyola del Vallés 08193, Catalonia, Spain

<sup>5</sup>Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, the Netherlands

<sup>6</sup>Department of Plant and Soil Sciences, Delaware Environmental Institute, University of Delaware, Newark, DE, USA

<sup>7</sup>University of Udine, via delle Scienze 206, Udine, Italy

<sup>8</sup>MOUNTFOR Project Centre, European Forest Institute, Via E. Mach 1, San Michele all'Adige (Trento), Italy

<sup>9</sup>Department of Chemical and Biochemical Engineering, Technical University of Denmark, 2800 Kgs. Lyngby, Denmark

<sup>10</sup>McMaster Center for Climate Change and School of Geography and Earth Sciences, McMaster University, Hamilton, Ontario, Canada

<sup>11</sup>NIVA – Norwegian Institute for Water Research, Gaustadalléen 21, 0349 Oslo, Norway

<sup>12</sup>Department of Biological Sciences, Texas Tech University, Lubbock, TX 79409, USA

<sup>13</sup>Soil Ecology, University Bayreuth, Dr.-Hans-Frisch-Str. 1–3, 95448 Bayreuth, Germany

<sup>14</sup>Department of Environmental Systems Science, ETH Zurich, Zurich, Switzerland

<sup>15</sup>Department of Biology, University of New Mexico, Albuquerque, NM 87131, USA

<sup>16</sup>Department for Innovation in Biological, Agro-food and Forest systems, University of Tuscia, Viterbo, Italy

<sup>17</sup>Department of Forestry and Natural Resources, Purdue University, 715 West State Street, West Lafayette, IN 47907-2061, USA

<sup>18</sup>Department of Biology, University of Massachusetts, Boston, MA 02125, USA

<sup>19</sup>Department of Biological Sciences, Purdue University, West Lafayette, IN 47907, USA

<sup>20</sup>Área de Biodiversidad y Conservación, Departamento de Biología y Geología, Escuela Superior de Ciencias Experimentales y Tecnología, Universidad Rey Juan Carlos, C/Tulipán s/n, 28933 Móstoles, Spain

<sup>21</sup>USDA ARS Grassland Soil and Water Research Laboratory, Temple, TX 76502, USA

<sup>22</sup>Oak Ridge National Laboratory, Oak Ridge, TN 37831, USA

<sup>23</sup>Institute of Agricultural Sciences, ETH Zurich, 8092 Zurich, Switzerland

<sup>24</sup>MTA Centre for Ecological Research, 2–4, Alkotmány u., 2163-Vácrátót, Hungary

<sup>25</sup>Department of Molecular Biology and Ecology of Plants, Tel Aviv University, Tel Aviv 69978, Israel

<sup>26</sup>Institute of Soil Science and Land Evaluation, Soil Biology, University of Hohenheim, Emil-Wolff-Str. 27, 70599 Stuttgart, Germany

<sup>27</sup>Centre for Ecology and Hydrology, Environment Centre Wales, Deiniol Road, Bangor LL57 2UW, UK

<sup>28</sup>School of Geosciences, University of Edinburgh, Edinburgh, UK

<sup>29</sup>Research School of Biology, Australian National University, Canberra, Australia

<sup>30</sup>State Key Laboratory of Cotton Biology, College of Life Sciences, Henan University, Kaifeng, Henan 475004, China

<sup>31</sup>Max Planck Institute of Biogeochemistry, Department of Biogeochemical Processes, 07701 Jena, Germany

<sup>32</sup>Institute of Evolutionary Biology and Environmental Studies, University of Zürich, Winterthurerstrasse 190, 8057 Zürich, Switzerland

<sup>33</sup>USFS Northern Research Station, 271 Mast Road, Durham, NH 03824, USA

<sup>34</sup>The Woods Hole Research Center, 149 Woods Hole Rd, Falmouth, MA 02540, USA

<sup>35</sup>Department of Forest Ecology, Federal Research and Training Centre for Forests, Natural Hazards and Landscape – BFW, A-1131 Vienna, Austria

<sup>36</sup>Department of Geosciences and Natural Resource Management, Copenhagen University, Denmark

<sup>37</sup>School of the Environment, Natural Resources, and Geography, Bangor University, Gwynedd LL57 2UW, UK

<sup>38</sup>Embrapa Amapá Caixa Postal 10, CEP 68906-970, Macapá AP, Brazil

<sup>39</sup>School of Agricultural, Forest and Environmental Sciences, Clemson University, Clemson, SC 29634, USA

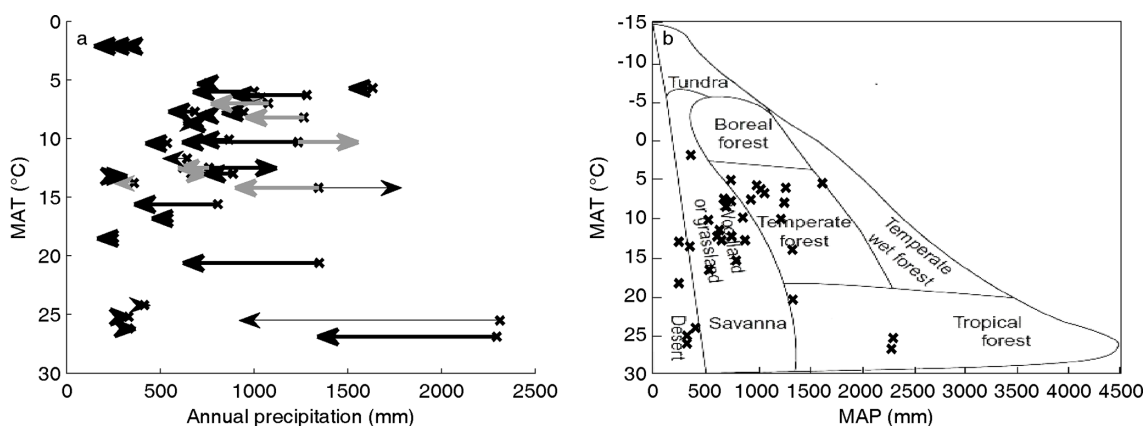
<sup>40</sup>Department of Biological Sciences, Texas Tech University, Lubbock, TX 79409, USA

<sup>41</sup>Buesgen Institute, Soil Science of Tropical and Subtropical Ecosystems, Georg-August- University of Goettingen, Buesgenweg 2, 37077 Goettingen, Germany

<sup>42</sup>Department of Biogeochemical Integration (BGI), Max Planck Institute for Biogeochemistry, Hans-Knöll-Str. 10, 07745 Jena, Germany

Correspondence to: S. Vicca (sara.vicca@uantwerpen.be)

In the paper “Can current moisture responses predict soil CO<sub>2</sub> efflux under altered precipitation regimes? A synthesis of manipulation experiments” by S. Vicca et al. (Biogeosciences, 11, 2991–3013, doi:10.5194/bg-11-2991-2014, 2014) Fig. 1 was not correctly displayed. Please find here the corrected figure.



**Figure 1.** (a) Overview of the magnitude and direction of precipitation effect on soil CO<sub>2</sub> efflux (SCE) for the different experiments. Arrows point from control precipitation to treatment precipitation (averaged over different years in case of multi-year data). Crosses localize control conditions in terms of annual precipitation and mean annual temperature (MAT). Black arrows indicate a positive correlation between precipitation manipulation and SCE, i.e., an increase of SCE when precipitation increases, or a decrease of SCE when precipitation is reduced. Gray arrows indicate negative correlations (which could be considered to reflect somewhat unexpected results). Bold arrows represent significant differences between SCE treatment and SCE control ( $p < 0.05$ ), while thin arrows reflect non-significant differences (repeated measures ANOVA). Panel (b) shows the biomes that are represented by our data set (biome figure adapted from Chapin et al., 2002).