

Tobias Biermann
Centrum för miljö- och klimatforskning (CEC)
ICOS Sweden
Institutionen för naturgeografi och ekosystemvetenskap
Besöksadress:
Ekologihuset, Sölvegatan 37
Rm Geoscience 2, 472
223 62
Lund
Sverige
Postadress:
Sölvegatan 37
223 62
Lund
Sverige
Besöksadress:
INES, Sölvegatan 12
223 62
Lund
Sverige
Postadress:
INES, Sölvegatan 12
223 62
Lund
Sverige
Besöksadress:
Sölvegatan 12
Lund
Sverige
Postadress:
223 62
Lund
Sverige
E-post: tobias.biermann@cec.lu.se
Mobil: +46707950239
Webbadress: <http://www.cec.lu.se>, <http://www.nateko.lu.se/>, <http://www.icos-sweden.se/>



Kvalifikationer

Geoecology, PhD, University of Bayreuth
2009 mar 1 → 2014 nov 30

Geoecology, Diploma, University of Bayreuth
2003 okt 1 → 2009 feb 28

Anställning

Forskningsingenjör

Centrum för miljö- och klimatvetenskap (CEC)
Lunds universitet
Lund, Sverige
2015 sep 21 → present

Forskningsingenjör

Institutionen för naturgeografi och ekosystemvetenskap
Lunds universitet
Lund, Sverige
2015 sep 21 → present

Forskningsoutput

Method comparison of indirect assessments of understory leaf area index (LAI_u): A case study across the extended network of ICOS forest ecosystem sites in Europe

George, J. P., Yang, W., Kobayashi, H., Biermann, T., Carrara, A., Cremonese, E., Cuntz, M., Fares, S., Gerosa, G., Grünwald, T., Hase, N., Heliasz, M., Ibrom, A., Knohl, A., Kruijt, B., Lange, H., Limousin, J. M., Loustau, D., Lukeš, P., Marzuoli, R. & 10 andra, Mölder, M., Montagnani, L., Neiryndck, J., Peichl, M., Rebmann, C., Schmidt, M., Serrano, F. R. L., Soudani, K., Vincke, C. & Pisek, J., 2021 sep, I: Ecological Indicators. 128, 107841.

Retrieval and validation of forest background reflectivity from daily Moderate Resolution Imaging Spectroradiometer (MODIS) bidirectional reflectance distribution function (BRDF) data across European forests

Pisek, J., Erb, A., Korhonen, L., Biermann, T., Carrara, A., Cremonese, E., Cuntz, M., Fares, S., Gerosa, G., Grünwald, T., Hase, N., Heliasz, M., Ibrom, A., Knohl, A., Kobler, J., Kruijt, B., Lange, H., Leppänen, L., Limousin, J-M., Ramon Lopez Serrano, F. & 16 andra, Loustau, D., Lukeš, P., Lundin, L., Marzuoli, R., Mölder, M., Montagnani, L., Neiryndck, J., Peichl, M., Rebmann, C., Rubio, E., Santos-Reis, M., Schaaf, C., Schmidt, M., Simioni, G., Soudani, K. & Vincke, C., 2021 jan 27, I: Biogeosciences. 18, 2, s. 621-635 15 s., 34.

Evaluation and optimization of ICOS atmosphere station data as part of the labeling process

Yver-kwok, C., Philippon, C., Bergamaschi, P., Biermann, T., Calzolari, F., Chen, H., Conil, S., Cristofanelli, P., Delmotte, M., Hatakka, J., Heliasz, M., Hermansen, O., Komínková, K., Kubistin, D., Kumps, N., Laurent, O., Laurila, T., Lehner, I., Levula, J., Lindauer, M. & 15 andra, Lopez, M., Mammarella, I., Manca, G., Marklund, P., Metzger, J-M., Mölder, M., Platt, S. M., Ramonet, M., Rivier, L., Scheeren, B., Sha, M. K., Smith, P., Steinbacher, M., Vítková, G. & Wyss, S., 2021 jan 5, I: Atmospheric Measurement Techniques. 14, 1, s. 89-116

Effects of drought and meteorological forcing on carbon and water fluxes in Nordic forests during the dry summer of 2018

Lindroth, A., Holst, J., Linderson, M., Aurela, M., Biermann, T., Heliasz, M., Chi, J., Ibrom, A., Kolari, P., Klemetsson, L., Krasnova, A., Laurila, T., Lehner, I., Lohila, A., Mammarella, I., Mölder, M., Löfvenius, M. O., Peichl, M., Pilegaard, K., Soosar, K. & 4 andra, Vesala, T., Vestin, P., Weslien, P. & Nilsson, M., 2020 sep 7, I: Philosophical Transactions of the Royal Society B: Biological Sciences. 375, 1810, s. 20190516

The Kobresia pygmaea ecosystem of the Tibetan highlands – Origin, functioning and degradation of the world's largest pastoral alpine ecosystem: Kobresia pastures of Tibet

Miehe, G., Schleuss, P., Seeber, E., Babel, W., Biermann, T., Braendle, M., Chen, F., Coners, H., Foken, T., Gerken, T., Graf, H-F., Guggenberger, G., Hafner, S., Holzapfel, M., Ingrisich, J., Kuzyakov, Y., Lai, Z., Lehnert, L., Leuschner, C., Li, X. & 16 andra, Liu, J., Liu, S., Ma, Y., Miehe, S., Mosbrugger, V., Noltie, H. J., Schmidt, J., Spielvogel, S., Unteregelsbacher, S., Wang, Y., Willinghöfer, S., Xu, X., Yang, Y., Zhang, S., Opgenoorth, L. & Wesche, K., 2019 jan 15, I: Science of the Total Environment. 648, s. 754-771

Methane and carbon dioxide fluxes over a lake: Comparison between eddy covariance, floating chambers and boundary layer method

Erkkilä, K. M., Ojala, A., Bastviken, D., Biermann, T., Heiskanen, J., Lindroth, A., Peltola, O., Rantakari, M., Vesala, T. & Mammarella, I., 2018 jan 19, I: Biogeosciences. 15, 2, s. 429-445 17 s.

Effects of low thinning on carbon dioxide fluxes in a mixed hemiboreal forest

Lindroth, A., Holst, J., Heliasz, M., Vestin, P., Lagergren, F., Biermann, T., Cai, Z. & Mölder, M., 2018, I: Agricultural and Forest Meteorology. 262, s. 59-70

Evapotranspiration and water balance of high-elevation grassland on the Tibetan Plateau

Coners, H., Babel, W., Willinghöfer, S., Biermann, T., Köhler, L., Seeber, E., Thomas, F., Ma, Y., Yang, Y., Miehe, G. & Leuschner, C., 2016, I: Journal of Hydrology. 533, s. 557-566

Carbon pools and fluxes in a Tibetan alpine Kobresia pygmaea pasture partitioned by coupled eddy-covariance measurements and ¹³CO₂ pulse labeling

Ingrisich, J., Biermann, T., Seeber, E., Leipold, T., Li, M., Ma, Y., Xu, X., Miehe, G., Guggenberger, G., Foken, T. & Kuzyakov, Y., 2015, I: Science of the Total Environment. 505, s. 1213-1224

Eddy-covariance measurements as a tool for ecological and hydrological studies on the Tibetan Plateau

Biermann, T., 2014 jul 1, Bayreuth. 163 s.

Pasture degradation modifies the water and carbon cycles of the Tibetan highlands

Babel, W., Biermann, T., Coners, H., Falge, E., Seeber, E., Schleuß, P. M., Gerken, T., Leonbacher, J., Leipold, T., Willinghöfer, S., Becher, L., Spielvogel, S., Guggenberger, G., Schuetzenmeister, K., Shibistova, O., Hafner, S., Li, X., Xu, X., Yang, Y., Ma, Y. & 6 andra, Wesche, K., Graf, H-F., Leuschner, C., Kuzyakov, Y., Miehle, G. & Foken, T., 2014, I: Biogeosciences. 11, 23, s. 6633-6656

Turbulent flux observations and modelling over a shallow lake and a wet grassland in the Nam Co basin, Tibetan Plateau

Biermann, T., Babel, W., Ma, W., Chen, X., Thiem, E., Ma, Y. & Foken, T., 2014, I: Theoretical and Applied Climatology. 116, 1-2, s. 301-316

A modelling investigation into lake-breeze development and convection triggering in the Nam Co Lake basin, Tibetan Plateau

Gerken, T., Biermann, T., Babel, W., Herzog, M., Ma, Y., Foken, T. & Graf, H. F., 2013 aug 25, I: Theoretical and Applied Climatology. 117, 1, s. 149-167 19 s.

Coupling processes and exchange of energy and reactive and non-reactive trace gases at a forest site - Results of the EGER experiment

Foken, T., Meixner, F. X., Falge, E., Zetzsch, C., Serafimovich, A., Bargsten, A., Behrendt, T., Biermann, T., Breuninger, C., Dix, S., Gerken, T., Hunner, M., Lehmann-Pape, L., Hens, K., Jocher, G., Kesselmeier, J., Lüers, J., Moravek, A., Plake, D., Riederer, M. & 10 andra, Rütz, F., Scheibe, M., Siebicke, L., Sörgel, M., Staudt, K., Trebs, I., Tsokankunku, A., Welling, M., Wolff, V. & Zhu, Z., 2012, I: Atmospheric Chemistry and Physics. 12, 4, s. 1923-1950 28 s.

Turbulent flux modelling with a simple 2-layer soil model and extrapolated surface temperature applied at Nam Co Lake basin on the Tibetan Plateau

Gerken, T., Babel, W., Hoffmann, A., Biermann, T., Herzog, M., Friend, A. D., Li, M., Ma, Y., Foken, T. & Graf, H. F., 2012, I: Hydrology and Earth System Sciences. 16, 4, s. 1095-1110 16 s.

Projekt