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Kvalifikationer

Geoecology, PhD, University of Bayreuth
2009 mars 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

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Forskare

BECC: Biodiversity and Ecosystem services in a Changing Climate
Lunds universitet
Lund, Sverige

2023 maj 17 → present

Forskningsoutput

Widespread Pesticide Distribution in the European Atmosphere Questions their Degradability in Air

Lammel, G. & et al., 2024 feb., I: Environmental Science and Technology. 58, 7, s. 3342–3352 11 s.

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High-resolution inverse modelling of European CH₄ emissions using the novel FLEXPART-COSMO TM5 4DVAR inverse modelling system

Bergamaschi, P., Segers, A., Brunner, D., Haussaire, J. M., Henne, S., Ramonet, M., Arnold, T., Biermann, T., Chen, H., Conil, S., Delmotte, M., Forster, G., Frumau, A., Kubistin, D., Lan, X., Leuenberger, M., Lindauer, M., Lopez, M., Manca, G., Müller-Williams, J., & 6 andra O'Doherty, S., Scheeren, B., Steinbacher, M., Trisolino, P., Vítková, G. & Yver Kwok, C., 2022 okt. 17, I: Atmospheric Chemistry and Physics. 22, 20, s. 13243-13268 26 s.

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., Neirynek, 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

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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

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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.

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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 $^{13}\text{CO}_2$ pulse labeling

Ingrisch, 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 juli 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., Miehe, 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

Moståndskraftiga ekosystem i Sverige; kan vi främja hållbarhet genom hyggesfritt skogsbruk och återvätning av våtmarker

Tagesson, T., Biermann, T., Jamali, S. & Horion, S.

FORMAS, The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning

2024/01/01 → 2026/12/31

Mot ett mer hållbart skogsbruk – Hur skogars potentiella klimatnytta påverkas av olika skogsskötselsystem

Vestin, P., Mölder, M., Biermann, T. & Launiainen, S.

2022/04/01 → 2025/03/31

Optimization of carbon uptake in south Sweden's spruce forests
Lindroth, A., Vestin, P., Ström, L., Biermann, T. & Edvardsson, J.
2024/01/01 → 2026/12/31