

## Personal data

<b>Name</b>	Franziska Maria Tanneberger
<b>Date of birth</b>	03.01.1978 (Berlin)
<b>Nationality</b>	German
<b>Family status</b>	Married, two children
<b>Title</b>	Dr. rer. nat., Privatdozentin / Associate Professor
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## Curriculum vitae

<b>Education</b>	1984-1986: Ernst-Busch-Oberschule, Berlin (Germany) 1986-1997: Rosa-Luxemburg-Gymnasium, Berlin (Germany) 1997-2003: Greifswald University (Germany) 1999-2000: Reading University (UK)
<b>Degree</b>	Diploma in Landscape Ecology and Nature Conservation (2003), majoring in Peatland Ecology and International Nature Conservation, Diploma thesis 'Landscape Ecology and Palaeoecology of Ob Valley Mires near Tomsk/Western Siberia', supported by Studienstiftung des deutschen Volkes  PhD in Landscape Ecology and Nature Conservation (2008), PhD thesis 'The Pomeranian population of the Aquatic Warbler - habitat selection and management', supported by Deutsche Bundesstiftung Umwelt and Studienstiftung des deutschen Volkes  Habilitation in Landscape Ecology and Nature Conservation (2023), Habilitation thesis "Biodiversity and ecosystem services of near-natural and rewetted fens in Central and Eastern Europe – between wilderness and paludiculture"
<b>Research interests</b>	peatland ecology, peatland restoration, geobotany, ornithology, peatland conservation, international nature conservation, paludiculture, carbon funding mechanisms
<b>Languages</b>	German: mother tongue English: fluent Russian: very good Polish: good  French: basic Italian: basic Estonian: very basic
<b>Employment</b>	Since 2015: Director of the Greifswald Mire Centre Since 2012: Senior researcher at Greifswald University (projects see below) 2013: Researcher at UFZ Umweltforschungszentrum Leipzig 2008-2011: Institute for Sustainable Development of the Earth's Natural Areas, scientific studies for IKI Peatland project Belarus (BMU-No.: II.C53) 2009-2010 NABU Brandenburg, Aquatic Warbler conservation study 2008-2009: Brandenburg State Office for the Environment, Aquatic Warbler management plan 2007-2011: Ogólnopolskie Towarzystwo Ochrony Ptaków, scientific advice to EU LIFE05 NAT/PL/000101 2006-2011, FV Naturschutz im Peenetal, site manager EU LIFE05 NAT/PL/000101 2004-2005: Research associate at Greifswald University

## Projects

- WETSCAPES 2.0 - sinks, links and legacies of novel ecosystems in rewetted fen landscapes (CRC/Transregio, 2025-2028)
- EO4ANK - Earth observation for the Natural Climate Protection Action Programme (BMUV, 2025-2027)
- MoorPower - sustainable and innovative photovoltaic solutions for rewetted peatlands (BMBF, 2024-2027)
- Paludi4All – Socio-economic and climate and environmental aspects of paludiculture (Horizon Europe, 2024-2029)
- PaludiAllianz - Development of scalable value chains with paludiculture biomass from rewetted peatlands in Germany in alliance with economic actors (BMEL, 2024-2026)
- PaludiZentrale – Central coordination of model and demonstration projects for peat soil protection and paludiculture in Germany (BMEL, 2023-2032)
- MoKKA – Capacity building for peatland climate protection (BMU/NKI, 2021-2024)
- toMOORow – Wet peatlands for a sustainable future (Umweltstiftung Michael Otto, 2021-2025)
- PRINCESS - Peatland Rewetting In Nitrogen-Contaminated Environments: Synergies and trade-offs between biodiversity, climate, water quality and Society (ERA-Net/DFG, 2021-2023)
- KLIBB - Klimaschonende, biodiversitätsfördernde Bewirtschaftung von Niedermoorböden (BfN, 2018-2021)
- INVESTIGATE - Improving national GHG inventories for organic soils and mitigation potential of wet land use (European Climate Initiative EUKI, 2017-2018)
- REPEAT - Restoration and prognosis of peat formation in fens linking diversity in plant functional traits to soil biological and biogeochemical processes (ERA-Net/DFG, 2017-2021)
- WETSCAPES - Understanding turnover and exchange of matter in wetlands to foster better land management, climate adaptation and protection of water bodies (excellence initiative of M-V, 2017-2021)
- Integrated Peatland Standard (TEEB Implementation) (BfN, 2011-2013)
- VIP - Vorpommern Initiative for Paludiculture (BMBF, 2010-2013)
- Habitat restoration and conservation for the globally threatened Aquatic Warbler using novel approaches in wet grassland management in Lower Oder Valley National Park (BfN, 2012-2016)
- Restoring peatlands and applying concepts for sustainable management in Belarus (BMU, 2008-2012)

## Teaching experience

- 2019-2025: seminar Restoration Ecology at Greifswald University
- 2014: block course Field Methods in Ornithology at Greifswald University
- Since 2005: supervision of 17 Diploma/Master theses, 7 Bachelor theses and 8 practical project theses
- Since 2005: contribution to seminars at Greifswald University (peatland energy and matter dynamics, practical landscape ecology of NE-Germany)
- 2004-2005: Development of online tutorials for MSc course Landscape Ecology and Nature Conservation (Greifswald University)

## Honorary activities

- Since 2024: Advisory Board of the Foundation Development and Climate Alliance
- 2024-2027 German Scientific Advisory Board for Natural Climate Protection (WBNK)
- 2024-2026 Management Board European Environment Agency (EEA)
- 2023-2026: German Council for Sustainable Development (RNE)
- 2022-2024 German Advisory Board to the UN Decade on Ecosystem restoration
- 2022-2024 Leopoldina Working Group on Peatlands and floodplains
- 2021/2022: UN Global Peatland Assessment, Coordinating Lead Author for Europe
- Since 2021: Board of Trustees Umweltstiftung Michael Otto (Hamburg) and Naturstiftung David (Erfurt)
- 2020/2021: Chairperson of the MV Future Council at the State Chancellery

- of Mecklenburg-Vorpommern
  - 2018-2025: Advisory Board LIFE MagniDucatusAcrola (Lithuania/Belarus)
  - 2013, 2017, 2021: Organising committee of the Reed as Renewable Ressource (RRR) paludiculture conference, Greifswald
  - Since 2018: Board member International Mire Conservation Group IMCG
  - Since 2016: Board member German Ornithological Society DO-G
  - 2011-2013: Organising committee of the 2nd Polish-German symposium Flora Pomeranica (held in September 2012 in Wartin, Germany)
  - Since 2005: Site manager Peene Valley, Germany, within the EU LIFE project 'Conserving Aquatic Warblers in Poland and Germany' and coordination of follow-up activities (head of agricultural enterprise), since 2008 board member Förderverein Naturschutz im Peenetal e.V.
  - Since 2004: Member of BirdLife International Aquatic Warbler Conservation Team (expeditions to Belarus, Ukraine, Senegal, Mauritania)
  - 2004-2006: Organising committee of the 5th European Conference on Ecological Restoration (held in August 2006 in Greifswald, Germany)
  - 2001-2002: Member of regional board of Naturschutzbund Deutschland (NABU BirdLife Germany) in Mecklenburg-Vorpommern
- Awards**
- 2024: German Environmental Award
  - 2011: Laureate of the UNEP/CMS Thesis Award
  - 2008: One of the 20 global 'Earth Movers' profiled by IUCN
  - 2006: Award of Sparkasse Vorpommern for German-Polish cooperation
  - 1998: First Prize Bundesumweltwettbewerb (Germany)

## Publications

### Ten most important peer-review publications

- Wassen MJ, Olde Venterink H, Lapshina ED, Tanneberger F (2005): Endangered plants persist under phosphorus limitation. *Nature* 437 (7058): 547-551.
- Schipper AM, Zeefat R, Tanneberger F, Van Zuidam JP, Hahne W, Schep S, Loos S, Bleuten W, Joosten H, Lapshina ED, Wassen MJ (2007): Vegetation characteristics and eco-hydrological processes in a pristine mire in the Ob River valley (Western Siberia). *Plant Ecology* 193:131–145.
- Tanneberger F, Flade M, Preiksa Z, Schröder B (2010): Habitat selection of the globally threatened Aquatic Warbler at the western margin of the breeding range and implications for management. *Ibis* 152: 347-358.
- Couwenberg J, Thiele A, Tanneberger F, Augustin J, Bärish S, Dubovik D, Liashchynskaya N, Michaelis D, Minke M, Skuratovich A, Joosten H (2011): Assessing greenhouse gas emissions from peatlands using vegetation as a proxy. *Hydrobiologia* 674: 67-89.
- Arbeiter S, Franke E, Helmecke A & Tanneberger F (2017) Habitat preference of female Corncrakes *Crex crex*: implications for the conservation of breeding sites in a secretive species. *Bird Study* 64: 255-263.
- Tanneberger F, Tegetmeyer C, Busse S, Barthelmes A, Shumka S, Moles Mariné A, Jenderedjian K, Steiner GM, Essl F, Etzold J, Mendes C, Kozulin A, Frankard P, Milanović Đ, Ganeva A, Apostolova I, Alegro A, Delipetrou P, Navrátilová J, Risager M, Leivits A, Fosaa AM, Tuominen S, Muller F, Bakuradze T, Sommer M, Christianis K, Szurdoki E, Oskarsson H, Brink SH, Connolly J, Bragazza L, Martinelli G, Aleksāns O, Priede A, Sungaila D, Melovski L, Belous T, Saveljić D, de Vries F, Moen A, Dembek W, Mateus J, Hanganu J, Sirin A, Markina A, Napreenko M, Lazarević P, Šefferová Stanová V, Skoberne P, Heras Pérez P, Pontevedra-Pombal X, Lonnstad J, Kuchler M, Wüst-Galley C, Kirca S, Mykytiuk O, Lindsay R & Joosten H (2017): The peatland map of Europe. *Mires and Peat*. Volume 19, Article 22, 1–17.
- Emsens W-J, van Diggelen R, Aggenbach C, Cajthaml T, Frouz J,

Klimkowska A, Kotowski, Kozub L, Liczner Y, Seeber E, Silvennoinen H, Tanneberger F, Vicena J, Wilk M & Verbruggen E (2020) Recovery of fen peatland microbiomes and predicted functional profiles after rewetting. *The ISME Journal* 14: 1701–1712.

- Tanneberger F, Abel S, Couwenberg J, Dahms T, Gaudig G, Günther A, Kreyling J, Peters J, Pongratz J & Joosten H (2021) Towards net zero CO<sub>2</sub> in 2050: An emission reduction pathway for organic soils in Germany. *Mires and Peat* 27, 05, 17 p.
- Tanneberger F, Moen A, Barthelmes A, Lewis E, Miles L, Sirin A, Tegetmeyer C, Joosten H (2021): Mires in Europe - Regional diversity, condition and protection. *Diversity* 13: 381.
- Kreyling J, Tanneberger F, Jansen F, van der Linden S, Aggenbach C, Blüml V, Couwenberg J, Emsens W-J, Joosten H, Klimkowska A, Kotowski W, Kozub L, Lennartz B, Liczner Y, Liu H, Michaelis D, Oehmke C, Parakenings K, Pleyl E, Poyda A, Raabe S, Röhl M, Rucker K, Schneider A, Schrautzer J, Schröder C, Schug F, Seeber E, Thiel F, Thiele S, Tiemeyer B, Timmermann T, Urich T, van Diggelen R, Vegelin K, Verbruggen E, Wilmking M, Wrage-Mönnig N, Wolejko L, Zak D, Jurasinski G (2021): Rewetting does not return drained fen peatlands to their old selves. *Nature Communications*.

**Five most important books**

- Tanneberger F & Wichtmann W (eds.) (2011): Carbon credits from peatland rewetting. *Climate - biodiversity - land use*. Schweizerbart, Stuttgart. 223 p.
- Joosten H, Brust K, Couwenberg J, Gerner A, Holsten B, Permien T, Schäfer A, Tanneberger F, Trepel M & Wahren A (2015): MoorFutures® Integration of additional ecosystem services (including biodiversity) into carbon credits – standard, methodology and transferability to other regions. BfN-Skript 407. Bundesamt für Naturschutz, Bonn-Bad Godesberg. 120 p.
- Joosten H, Tanneberger F & Moen A (eds) (2017) Mires and peatlands of Europe: Status, distribution and conservation. Schweizerbart Science Publishers, Stuttgart, 730 p.
- Tanneberger F & Kubacka J (2018) The Aquatic Warbler Conservation Handbook. Brandenburg State Office for Environment (LfU), Potsdam. 260 p.
- Närmann, F., Birr, F., Kaiser, M., Nerger, M., Luthardt, V., Zeitz, J. & Tanneberger, F. (2021) Klimaschonende, biodiversitätsfördernde Bewirtschaftung von Niedermoorböden. BfN-Skripten 616. Bundesamt für Naturschutz, Bonn - Bad Godesberg. 342 p.

**Five most important book chapters and reports**

- Joosten H, Gaudig G, Krawczynski R, Tanneberger F, Wichmann S & Wichtmann W (2014): Managing Soil Carbon in Europe: paludicultures as new perspective for peatlands. In: Banwart SA, Noellemeyer E, Milne E (eds.) *Soil Carbon: Science, management and policy for multiple benefits*. SCOPE Series Vol. 71. CABI, Wallingford, UK. pp. 297-306.
- Joosten H, Gaudig G, Tanneberger F, Wichmann S & Wichtmann W (2016): Paludicultures: Sustainable productive use of wet and rewetted peatlands. In: Bonn A, Allott T, Evans M, Joosten H & Stoneman R (eds.): *Peatland restoration and ecosystem services: science, practice, policy*. Cambridge University Press. pp. 339-357.
- Bachinger, J. Berger, G., Blocj, R., Deumlich, D., Freier, B., Funk, R., Glemnitz, M., Gottwald, F., Horn, H., Kersebaum, C., Kühne, S., Müller, K., Pfeffer, H., Plieninger, T., Podhora, A., Reckling, M., Reutter, M., Saure, C., Schleyer, C., Steidl, J., Stein-Bachinger, K., Tanneberger, F., Trepel, M., Wagener, E. & Wichmann, S. (2016): Ökosystemleistungen in Agrarlandschaften. In: von Haaren, C. & Albert, C. (eds.): *Naturkapital Deutschland - TEEB-DE. Ökosystemleistungen in Ländlichen Räumen*. Hannover, Leipzig. pp. 45-146.
- Ministerium für Landwirtschaft und Umwelt M-V (2017) Umsetzung von Paludikultur auf landwirtschaftlich genutzten Flächen in Mecklenburg-Vorpommern. Fachstrategie zur Umsetzung der nutzungsbezogenen Vorschläge des Moorschutzkonzeptes. Erarbeitet von C. Schröder, M. Hohlbein, S. Wichmann, F. Tanneberger, U. Lenschow & T. Permien.

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- Sirin A, Minayeva T, Joosten H & Tanneberger F (2018) 3.3.2.8 Peatlands. In: IPBES: The IPBES regional assessment report on biodiversity and ecosystem services for Europe and Central Asia. Rounsevell, M., Fischer, M., Torre-Marín Rando, A. and Mader, A. (eds.). Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, Bonn, Germany, pp. 217-220.