

## Dr. Wubs, E.R. Jasper

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Birth: 1985, Kampen, the Netherlands

Dutch (native), English (fluent), German (advanced), French, Hungarian

### Professional experience & Education (Selected)

- 2025-present **Senior Scientist** Soil & Water, Van Hall Larenstein University of Applied Sciences, Leeuwarden, NL.
- 2025-present **Coordinator** Living Lab North Netherlands on Sustainable Soil Innovation (SOILCRATES).
- 2025-present **Scientist** at Het Groene Brein, science advocacy.
- 2023-present **Domain Expert**, Dutch Ecological Authority.
- 2024-present **Founder** of the MacroScope online platform.
- 2021-2025 Postdoc & **Research Group Leader**, Netherlands Institute of Ecology (NIOO-KNAW), NL.
- 2018-2021 **Postdoc**, Sustainable Agroecosystems Group, ETH Zürich, CH.
- 2012-2017 **PhD degree**, Wageningen University, NL
- 2004-2010 BSc. & M.Sc. Biological Sciences (*cum laude*), programme Environmental Biology. Utrecht University, NL.

#### Mentoring:

I supervise(d) 2 postdocs and 4 PhD-candidates. I have one graduated PhD candidate and 28 finished thesis/internship students varying from MBO to MSc level with nationalities across 4 continents.

#### Teaching

2022 Initiator and coordinator, African roads to Sustainable Agroecology - Transdisciplinary Field Course (PhD-level), 34 participants in 2022, grading the course 9.6/10.

2017-present Guest Lecturer and Lecturer in 8 courses, 2 BSc Agronomy/Biology, 3 MSc Agronomy/Biology, 1 PhD course, 1 course for University of Applied Science. Topics: Soil ecology, biodiversity, microbiomes, scientific writing.

2008-2011 Teaching assistant Ecology (BSc Biology), Applied Biostatistics 1 (BSc Biology), Research Methods (BSc Biomedical Sciences).

### Awarded prizes & grants

- 2022 Marie Skłodowska-Curie Actions (MSCA) Postdoctoral Fellowship, European Union.
- 2020 Thematic Summer School Grant, Innovative Co-Learning for Agriculture-based Solutions Call Ref. CfP 2002, Agropolis Foundation and Biovision Foundation, France.
- 2019 Large Research Part B 2019 Grant, British Ecological Society, UK.
- 2018 Rubicon Postdoctoral Fellowship, Netherlands Organization of Scientific Research (NWO).
- 2016 Silver Parnassia, award for societally engaged young scientist, Radboud University Nijmegen, Nijmegen, the Netherlands.

### Publications (selected)

- Wubs ERJ. 2025. Benchmarking soil multifunctionality. SOIL in press, <https://doi.org/10.5194/egusphere-2024-2851>.
- Van Eijnatten AL, Van Zon L, Manousou E, Bikineeva M, Wubs, ERJ, Van der Putten WH, Morriën E, Dutilh BE, Snoek LB. 2025. SpeSpeNet: An interactive and user-friendly tool to create and explore microbial correlation networks. ISME Communications
- Schram M, Wubs ERJ, Van der Putten WH. 2024. Benchmarking for soil health improvement: a perspective. One Earth 7: 2099-2102.

### Plant & Soil Ecologist

#### Research interest:

Agroecology, biodiversity, plant-soil interactions, soil health & multifunctionality, ecosystem functioning, causal inference, socio-ecological systems, transdisciplinary research



#### Key skills:

*General academic:* IT-skills, statistics (R, Julia, SPSS), written and oral presentation

*Data analysis:* Structural Equations Modelling, Machine learning, Multivariate analysis (ordination, clustering, etc), Spatio-temporal modelling, (G)L(M)M & (G)A(M)Ms.

- Pe'er G, [...], [Wubs ERJ](#), Bonn A. (2023). Scientists support the EU's Green Deal and reject the unjustified argumentation against the Sustainable Use Regulation and the Nature Restoration Law ([Full Version 9.7.2023 \(preprint\)](#)). Supported by 6000 scientists. Featured in [Science](#).
- Gerrits GM, Waenink R, Aradottir AL, Buisson E, Dutoit T, Ferreira MC, Fontaine JB, Jaunatre R, Kardol P, Ruiz SM, Maltz M, Pärtel M, Peco B, Piqueray J, Pilon N, Santa-Regina I, Schmidt KT, Sengl P, Van Diggelen R, Vieira DLM, Von Brackel W, Waryszak P, Wills TJ, Marrs RH, [Wubs ERJ](#). 2023. Synthesis of the effectiveness of soil translocation for plant community restoration. *Journal of Applied Ecology* 60(4): 714-724 (doi: 10.1111/1365-2664.143640).
- Wubs ERJ, Van der Putten WH, Mortimer SR, Korthals GW, Duyts H, Wagenaar R, Bezemer TM. 2019. Single introductions of plants and soil biota generate long-term legacies in plant and soil community assembly. *Ecology Letters* 22: 1145–1151 (doi: 10.1111/ele.13271).
- Wubs ERJ, Van der Putten WH, Bosch M, Bezemer TM. 2016. Soil inoculation steers restoration of terrestrial ecosystems. *Nature Plants* 2: 16107 (doi: 10.1038/nplants.2016.107). – highlighted in [Science](#) 353: 203. Highly cited paper in ISE Web of Science.
- Zhang J, [...] [Wubs ERJ](#), et al. 2020. Chapter 5. Responses and opportunities. In: FAO, ITPS, GSBI, SCBD and EC. 2020. State of knowledge of soil biodiversity - Status, challenges and potentialities: Report 2020. FAO, Rome, Italy (<https://doi.org/10.4060/cb1928en>).
- My full publication list can be found [here](#).

### Workshops & Conferences

- 2023 Co-organizer Special Session Soil biodiversity monitoring in the EU: towards linking national initiatives of member states, Wageningen Soil Conference.
- 2023 Workshop facilitator, Thematic discussion on soil biodiversity, Biodiversity XL Day, Leiden, NL.
- 2022 Invited participant, workshop Status and Trends of Conservation of Soil Microorganisms. Austrian Institute of Technology, for an FAO report.
- 2022 Invited speaker, Kennisdag De bodem als basis voor bonte graslanden. It Frieske Gea, Beetsterzwaag, the Netherlands. Title of talk: Het bodemleven in natuur(herstel).
- 2017 Keynote lecture, Restoration Ecology, Global Soil Biodiversity Conference, Nanjing, China. Title of talk: “Whole soil-community inoculation as a novel tool to rehabilitate terrestrial ecosystems”.

### Appearance in media

TV (Germany), national [radio interviews](#), [talkshow](#), Popular press articles: e.g. Global Landscapes Forum, NRC Handelsblad, NRC Next, Scientist, Trouw, Volkskrant, The Scientist, Popular Science, Der Standard, Neue Züricher Zeitung, Der Tagespiegel, BioNieuws, Smithsonian, EOS Wetenschap, and GroeneRuimte.

### Additional activities (selected)

- 2023-present Advisor in the Norm Subcommittee Soil Health of the Netherlands Norm Organization (NEN), contributing to new standards produced within ISO TC 190 WG3.
- 2023 Advisor in *ad-hoc* working group water & soil steering (werkgroep Water en bodem sturend), Dutch Environmental Impact Assessment Agency (Stichting Commissie m.e.r.).
- 2015-2016 Member of the Advisory Appointment Committee to the Academic Board of Wageningen University for appointment of a new Professor (chair) of Soil Biology and Biological Soil Quality.
- 2013-2016 Member of PhD Council and Education committee of the C.T. de Wit Graduate School for Production Ecology & Resource Conservation (PE&RC), Wageningen, the Netherlands.
- 2024-present Member of the European Geosciences Union (EGU).
- 2019-present Member of the Bodemkundige Vereniging (Dutch soil science society)
- 2009-present Member of the British Ecological Society (BES).