



NORLANDSFORSKNING
NORLAND RESEARCH INSTITUTE

Curriculum Vitae

Salina Magdalena Spiering

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EDUCATION

2016 – 2023

PhD in political geography

Department of Geography, University of Münster, Münster, Germany

Title of thesis: "Transformative Science methods - the Human Scale Development approach revisited" Advisor: Prof. Dr. Paul Reuber, defended on April 17th, 2023, Magna cum laude

2004 – 2009

Diploma in geography (master's level degree), *Institute of Geography, Leipzig University, Leipzig, Germany* (Minors: political science and biology, grade: 1.6)

2003 –2004

Studies (towards a Magister degree) in ethnology & Spanish, *Department of Ethnology, Department of Hispanicistics, University Leipzig, Germany*

WORK EXPERIENCE

2023-09 - present

Senior researcher, *Nordland Research Institute, Mo I Rana, Norway*

2013-04 - 2023-08

Research scientist, *Department for Environmental Politics, Helmholtz Centre for Environmental Research (UFZ), Leipzig, Germany*

2015-03 - 2020-03

Chairwoman of the management board *Psychotrauma Center Leipzig e.V. (PTZ), Leipzig, Germany*

2014-08 - 2019-11

Head of Leipzig Office of the Berlin based mediation network *ImKonsens Leipzig, ImKonsens, Mediation and Diversity, Leipzig, Germany*

2010-05 - 2011-12

Assistant to the manager *Bund Naturschutz Service GmbH, Lauf, Germany*

RESEARCH EXPERIENCE

Since 2023-10

Senior Scientist, work package lead *Nordland Research Institute, Mo I Rana, Norway*

Project [EmpowerUs - Socio-economic empowerment of coastal communities as users of the sea to ensure sustainable coastal development](#) (EU Horizon)

2022-01 - 2024-10

Research scientist, work package lead *Department for Environmental Politics, Helmholtz Centre for Environmental Research (UFZ), Leipzig, Germany*

Project [REWILD_DE: Biodiversity conservation and valorization of ecosystem services through rewilding - learning from the Oder delta](#). (BMBF)

2021-08 - 2023-12	Research scientist <i>Department for Environmental Politics, UFZ, Leipzig, Germany</i> Project <u>VooDoo - Viral eco-evolutionary dynamics of wild and domestic pollinators under global change</u> (BiodivERsA-funded)
2020-10 - 2022-01	Project coordinator <i>Department for Environmental Politics, UFZ, Leipzig, Germany</i> Project <u>Transformative Change for the protection of global commons</u> (BMZ)
2016-11 - 2021-01	Guest researcher <i>Department for Environmental Politics, UFZ, Leipzig, Germany</i> Conducting PhD project
2013-04 - 2016-07	Research scientist <i>Department for Environmental Politics, UFZ, Leipzig, Germany</i> Project <u>EnGeno: Transformative potentials of energy cooperatives: With post-fossil decentralization strategies for the energy transition</u> (BMBF)
2012-10 - 2013-03	Research assistant <i>Department for Environmental Politics, UFZ, Leipzig, Germany</i> Projects <u>GeNECA: Just Sustainable Development Based on the Capability Approach</u> (BMBF) and <u>InContext - Individuals InContext. Supportive environments for sustainable living</u> (EU-FP7-funded project)

SCHOLARSHIP

2016-10 - 2021-01 | PhD scholarship, *Friedrich-Ebert-Stiftung, Bonn, Germany*

TEACHING and FACILITATION (selection)

2020-09 - ongoing	Visiting lecturer <i>Facultad de Ciencias Económicas y Administrativas Universidad Austral de Chile, Valdivia, Chile</i> Course: Taller de Experiencias en Desarrollo a Escala Humana, Magíster en Desarrollo a Escala Humana y Economía Ecológica (4hrs. each semester)
2022	Facilitator <i>Helmholtz Centre for Environmental Research UFZ, Leipzig, Germany</i> Workshop UFZ Science Day - What do we mean by inter- and transdisciplinary research and how to do it?
2021	Facilitator <i>Helmholtz Centre for Environmental Research UFZ, Leipzig, Germany</i> Expert workshop to jointly (further) develop recommendations for German and international cooperation in the thematic area of coastal and marine ecosystems. In collaboration with Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research
2018	Facilitator <i>Thuringian Ministry of Infrastructure and Agriculture, Weimar, Heringen, Holzdorf and Vachdorf</i> , Future workshop and discussions “Living well in rural areas”
2016	Facilitator <i>Liceo Técnico Rodulfo Armando Philippi de Paillaco, Paillaco, Chile</i> Visions-Workshop on improving local supply through renewable energies in the communities of Paillaco and Futrono with representatives of the Universidad Austral de Chile, the Instituto Tecnológico de Massachusetts (MIT) and the Liceo Técnico Rodulfo Armando Philippi de Paillaco.

CONFERENCE PRESENTATIONS (most recent)

2022-06	Spiering S and Wittmer H (2022): Transformative change for the protection of global biodiversity: rationale, meaning, design. 36. <i>Deutscher Naturschutztag. NATURSCHUTZ JETZT! Natur, Landnutzung, Klima. Hannover, Germany.</i>
2021-09	Wittmer, H. et al., Spiering, S. (2021) Transformative change: a new approach to governing biodiversity? <i>2021 Bratislava Conference on Earth System Governance – Panel on the Governance of Nature and Biodiversity, online</i>

COURSES (selection)

2022-12	Training Using agile methods in everyday work: Impulses for (digital) team and project work (2days)
2017-03 - 2020-09	Helmholtz Interdisciplinary Graduate School for Environmental Research (HIGRADE) Graduate School Qualification Program, Thesis Defence Training (2 days), Good Scientific Practice (for doctoral researchers) (2 days), Handling Review Processes of Scientific Publications from an Author, Reviewer and Editor Perspective (2 days)
2014-06	Summer school III ARALIG Participatory research and planning – theory, practice and action research, PhD course, Trondheim, Norway (6 days)

ACADEMIC SERVICE

Reviewer

Providing reviews for journals including Inderscience Journal of Sustainable Development, Journal of Energy research and Social Sciences, Raumforschung Raumordnung

2019 – 2023

Head of Working Group Diversity+ *Department for Environmental Politics, Helmholtz Centre for Environmental Research, UFZ, Leipzig, Germany*

- Diversity-Management within the Department for Environmental Politics
- Led Diversity+-process, co-developed a “Mission statement Diversity+”

2013 – 2023

Environmental Officer of the Department *Department for Environmental Politics, Helmholtz Centre for Environmental Research, UFZ, Leipzig, Germany*

- Regular reporting to the UFZ-wide environmental committee
- Contributions to enhance environmental standards for Eco-Management and Audit Scheme (EMAS)

LANGUAGES

German	<i>Native language</i>
English	<i>C1 level</i>
Spanish	<i>C1 level</i>
French	<i>A2 level</i>
Norwegian	<i>B1 level</i>

LIST OF PUBLICATIONS

Thesis (PhD and Diploma)

Spiering S (2023): Transformative science methods - the human scale development approach revisited. Dissertation, Westfälische Wilhelms-Universität Münster. PhD Dissertation. Helmholtz Centre for Environmental Research - UFZ, Leipzig. DOI: <https://doi.org/10.57699/bgbx-t357>

Centgraf S (2009): „Ökodörfer bauen!": regionale Effekte nachhaltiger Modellsiedlungen – eine Fallstudie im Ökodorf Sieben Linden als Beitrag zur Projektstudie des Vereins Keimblatt Ökodorf, Diploma thesis

Journal publications

Spiering S (2022): Self-reflexive practice through the Human Scale Development approach – competencies needed for transformative science research. Special Issue on: "Manfred Max-Neef's Contributions to Theory, Methods and Practice in Sustainable Development: Applications of his Work," Int. J. Sustainable Development, Vol. 25, Nos. 1/2, 2022 <https://doi.org/10.1504/IJSD.2022.10049718>

Spiering S, Barrera MdV (2021): Testing the quality of transformative science methods: the example of the Human Scale Development approach. Sustain Science. <https://doi.org/10.1007/s11625-021-00966-3>.

Centgraf S (2018): Supporting civic engagement in German energy cooperatives – Transdisciplinary research based on the reflection of individual needs. Energy Research & Social Science 44, 10/2018, 112-121. <https://doi.org/10.1016/j.erss.2018.05.003>

Masson T, **Centgraf S** and Rauschmayer F (2015): Mitglieder-Zuwachspotenzial für Energiegenossenschaften in Deutschland? Zeitschrift für das gesamte Genossenschaftswesen 65, 191-208.

Book chapters

Centgraf S (2018): Bürger-Engagement in Energiegenossenschaften. In Lautermann C (ed. 2018): Die Energiewende der Bürger stärken. Reihe Theorie der Unternehmung, Band 67.

Holstenkamp L, **Centgraf S**, Dorniok D, Kahla F, Masson T, Müller J, Radtke J and Yildiz Ö (2018): Bürgerenergiegesellschaften in Deutschland. Handbuch Energiewende und Partizipation, Springer: 1061-1080.

Centgraf S (2018). Geburtstraumatisierungen und Schwangerschaft – Traumasensibles Yoga zur Unterstützung der Erinnerungsarbeit. In: Das traumatisierte Gedächtnis – Schutz und Widerstand: Wie sich traumatische Belastungen in Körper, Seele und Verhalten verschlüsseln und wiederauffinden lassen. R. Vogt, Lehmanns: 125-136

Reports

Wittmer H, Berghöfer A, et al., **Spiering S** (2021). Transformative change for a sustainable management of global commons. Recommendations for international cooperation

Transfer publications

- based on a review of global assessment reports and project experience. UFZ-Report 3/2021 <https://doi.org/10.57699/7s83-7z35>
- Wittmer H, Berghöfer A, et al., **Spiering S** (2021). Es geht um unsere Lebensgrundlage: Wie wir jetzt handeln können, um die globalen Gemeingüter Biodiversität, Wälder und Meere für eine lebenswerte Zukunft zu erhalten. UFZ-Report 2/2021
- Spiering S** and Barrera MdV (2020): How to?! Practical knowledge for transformative science — facilitation guidelines for two applications of the Human Scale Development Approach (UFZ Discussion Papers, 3/2020). Leipzig: Helmholtz-Zentrum für Umweltforschung – UFZ.
- Lautermann C, Dorniok D, Rauschmayer F, Masson T, **Centgraf S** and Moser P (2017). Transformationspotenziale von Energiegenossenschaften: Mit postfossilen Dezentralisierungsstrategien zur Energiewende (EnGeno): Schlussbericht: gemeinsamer Bericht zum BMBF-Forschungsprojekt, Carl von Ossietzky Universität Oldenburg.
- Lautermann C, **Centgraf S**, Fischer B, Kucharczak L, Masson T (2016): Handlungsorientierungen für Energiegenossenschaften. Published by the research project EnGeno. Carl von Ossietzky Universität Oldenburg.
- Rauschmayer F, **Centgraf S** and Masson T (2015a). Ergebnisse der Mitgliederbefragung der Netzkauf EWS eG (EWS) (Forschungsprojekt EnGeno – Transformationspotenziale von Energiegenossenschaften. Mit postfossilen Dezentralisierungsstrategien zur Energiewende). Helmholtz-Zentrum für Umweltforschung (UFZ), Leipzig, Germany
- .Rauschmayer F, **Centgraf S** and Masson T (2015b) Ergebnisse der EnGeno Mitgliederbefragung von Energiegenossenschaften. Helmholtz-Zentrum für Umweltforschung (UFZ), Leipzig, Germany.