

# Dr. rer. nat. Werner Rolf



## Synopsis

After several years of practical experience in landscaping, ecosystem restoration, and wilderness preservation in Germany and abroad I studied Landcare/Land Stewardship at the University of Applied Sciences in Nürtingen, with specialisation on environmental development and landscape conservation. My diploma thesis investigated GIS based methods to model ecosystem potentials. My PhD thesis at Potsdam University addressed urban and peri-urban agroecosystems as part of green infrastructure to promote transformation pathways towards sustainable development.

My work is grounded in landscape ecology, understanding landscapes as socio-ecological systems. My research interest focus on multifunctional, integrative landscape approaches, land-use modelling, scenario development, collaborative and participatory spatial planning, including analysis and modelling of complex spatial and functional interrelations using GIS. I have international experience in applied research in rural and urban landscapes at different scales across Europe.

Since 2012, I am lecturer and research associate at the Chair for Strategic Landscape Planning and Management at Technical University of Munich (TUM) with visits at Universities in Lisbon (2018/2021), Ghent (2019), Warsaw (2020), and Turin (2022). Besides, I have also been lecturer in the international study programme IMLA since 2009 and have been guest lecturer at University of Lisbon in 2021/22. Furthermore, I am member of the executive committee of IALE Germany (since 2016) and IALE-Europe (since 2017), reviewer for several international journals, as well as TEEB-DE and IPBES. Since 2019 I am co-editor-in-chief of the peer-reviewed open-access e-journal Landscape Online.

Since 2008 I have been member of the Board of Directors of urgewald e.V. – a German based environmental and human rights NGO.

**TUM Website** <https://www3.ls.tum.de/lapl/werner-rolf>

**LinkedIn** <https://www.linkedin.com/in/werner-rolf>

**ResearchGate** <https://www.researchgate.net/profile/werner-rolf>

**ORCID** <https://orcid.org/0000-0001-7040-034X>

**WoS Researcher-ID** <https://www.webofscience.com/wos/author/record/AAS-2669-2020>

## Studies

- 2017-2020 **Doctoral thesis at University of Potsdam**, Institute for Environmental Science and Geography, Geoecology, Landscape Management: „**Peri-urban farmland included in green infrastructure strategies promotes transformation pathways towards sustainable urban development**“ (Grade: magna cum laude)  
Supervision: Prof. Dr. Hubert Wiggering; Prof. Dr. Stephan Pauleit, Examiner: Prof. Dr. Hubert Wiggering; Prof. Dr. Jørgen Primdahl; Prof. Dr. Christine Fürst, Mentor: Prof. em. Dr. Dr. hc. Wolfgang Haber
- 1999 **Diploma Thesis at University of Applied Science Nürtingen**, in cooperation with Tasmania Parks and Wildlife Service, Australia: “**Analysis of ecosystem potentials using Geographic Information Systems exemplified by the Kocher-Jagst plain and its surroundings**“ (Grade: 1.5, Awarded)
- 03/99-06/99 **Student visit at University of Guelph**, Ontario, Canada; ECCEI student exchange programme with Computing Research Laboratory for the Environment – CRLE (Prof. Dr. David Swayne)
- 10/94-02/00 **Studies of Landcare/Land Stewardship at University of Applied Science Nürtingen**, specialisation on environmental development and landscape-scale conservation, Degree: Dipl. Ing. (FH) Landespflege (Grade: 1.8)

## Professional experience

- Since 09/12 **Research and Teaching Associate at Technical University of Munich**, Chair for Strategic Landscape Planning and Management (Prof. Dr. Stephan Pauleit) with guest visits (Erasmus+ Mobility STT): Portugal, Technical University of Lisbon, CiTUA (02/2018), Belgium, University of Ghent (03/2019), Poland, University of Warsaw (02/2020), and Italy, University of Turin (07/2022)
- Since 03/09 **Lecturer International Master of Landscape Architecture (IMLA)** Modules „IT in Planning and Design I“ (GIS) and „Main Project“ – Masters Program of Nürtingen-Geislingen University of Applied Science (HfWU) and Weißenstephan-Triesdorf University of Applied Science (HSWT)
- 11/21-02/22 **Guest Lecturer at University of Lisbon/Técnico Lisboa** Module „Green Infrastructure Planning“, Master Course on Land Use Planning (Planeamento Biofísico e Ordenamento do Território)
- 11/01-03/11 **Lecturer Environmental Informatics for Environmental Planning - U3**, advanced training programme, Academy of Further Education Nürtingen (WAF/HfWU)
- 10/00-12/12 **Research Associate at Institute for Applied Research (IAF)** at University for Applied Science Nürtingen-Geislingen
- 02/00-02/01 **Course co-ordinator International Master for Landscape Architecture (IMLA)**, maternity leave representations
- Seit 03/00 **Consultant in der Landscape and Environmental Planning** – Own business Landwaerts, Augsburg, ([www.landwaerts.de](http://www.landwaerts.de))

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- 03/97-08/97 Study-related practical experience in **landscape planning** – office partnership Büro für Ökologische Studien (BfÖS) und Oekologische Planung, Umweltstudien und Service (OPUS), Bayreuth
- 09/96-02/97 Study-related practical experience in **landscape informatics** – Gesellschaft für Landschaftsinformationssysteme GLIS / geoGLIS, Holzdorf, Eckernförde
- 03/96-08/96 Study-related practical experience in **nature conservation and ecosystem restoration** – (AGNL), Wagenfeld

**Previous education and practical experience**

- 04/94-09/94 Employee at **landscape conservation sheepfarm** Diepholzer Moordniederung
- 03/93-03/94 Volunteer at **Wilderness Committee**, Vancouver, BC, Canada
- 12/92-02/93 Employee in the field **nature conservation and ecosystem restoration** (AG für Naturschutz und Landschaftspflege – AGNL), Wagenfeld
- 09/91-11/92 Civilian service in **wetland ecosystem restoration** – BUND project Diepholzer Moorniederung, Wagenfeld
- 08/90-07/91 **Vocational school for agriculture**, Herten
- 08/87-07/90 **Apprenticeship as gardener**, Gladbeck
- 08/81-07/87 **Secondary school**, Gelsenkirchen
- 08/77-07/81 **Primary School**, Gelsenkirchen

**Awards**

- **Outstanding Reviewer Award 2017**- Ecological Indicators (Elsevier)
- **IALE Award 2017** - International Association for Landscape Ecology
- **GIS-Preis in der Umweltplanung 2000** (Hochschule Anhalt), Awarded diploma thesis „Analyse von Ökosystempotentialen unter Anwendung geographischer Informationssysteme am Beispiel der Kocher-Jagst-Ebene und deren Umland“

**Language**

Self-assessment according common European framework of reference for language:

- **English (C2), French (A1), Turkish (A2)**

Certified:

- **Spanish (A2, including introduction in business language)**

**Further Engagement**

- Since 2008 member of Board of Directors of urgewald e.V. – a German based environmental and human rights NGO, with head office in Sassenberg and further offices in Berlin and Washington, D.C.
- Since 2013 active member local NGO “intercultural gardens - GrowUp!“ in the City of Augsburg

## Scientific Activities

- **37 scientific publications (15 peer-reviewed), 51 conference contributions, 17 activities in scientific conferences**
- **Executive Committee** European Association for Landscape Ecology – IALE-Europe (since 2017)
- **Executive Committee** International Association for Landscape Ecology, Region Deutschland – IALE-D (since 2016)
- **Co-Editor-in-Chief** international open access, peer-reviewed e-journal [www.Landscape-Online.org](http://www.Landscape-Online.org) – (since 2019; managing editor: 2012-2019)
- **Editor of Special Issues:**
  - Education in landscape ecology – Sharing knowledge and experience, Landscape Online (since 2019)
  - Syntheses from landscape-ecological research, Landscape Online (since 2021)
- **Member at international IALE Working Group** Landscape Planning
- **Member** Ecosystem Service Partnership Network (ESP)
- **Member of Network** Infra Eco Network Europe (IENE)
- **Member of Working Group** Landschaftsforschung (Landscape Research Network, der Landscape Research Group – LRG)
- **Co-opted Board Member** LE:NOTRE Institute – Landscape Forum 2017
- **Reviewer for scientific journal**, Ecological Indicators, Ecosystems and People, Journal for Nature Conservation, Landscape and Urban Planning, Landscape Ecology, Land Use Policy, Urban Forestry & Urban Greening, Science of the Total Environment, Sustainability  
→ updated list: [publons.com/researcher/1563631/werner-rolf/peer-review/](https://publons.com/researcher/1563631/werner-rolf/peer-review/)
- **Expert Reviewer at TEEB DE – Naturkapital Deutschland (2014-2016):** „Ökosystemleistungen in ländlichen Räumen. Grundlage für menschliches Wohlergehen und nachhaltige wirtschaftliche Entwicklung“
- **Expert Reviewer at IPBES (2014-2018):**
  - Report: „Regional Assessments Report on Biodiversity and Ecosystem Services for Europe and Central Asia“
  - Report: „The methodological assessment report on scenarios models of biodiversity and ecosystem services“

## Activities in scientific conferences

- 2023 **Co-organiser of symposium** «Green Infrastructure as socio-ecological system: planning across borders» as part of IALE World Congress 2023, 10.-12.7.2023, in Nairobi, Kenya.
- Co-organiser of symposium** «Productive urban and peri-urban landscapes – benefits, co-benefits and new modes of planning» as part of IALE World Congress 2023, 10.-12.7.2023, in Nairobi, Kenya.
- Co-organiser of symposium** «Transboundary education of landscape at different levels» as part of IALE World Congress 2023, 10.-12.7.2023, in Nairobi, Kenya.
- 2022 **Scientific committee** IALE 2022 European Congress for Landscape Ecology «Making the future, learning from the past», 11.-15.7.2022, in Warsaw, Poland
- Co-organiser of symposium** «Productive urban landscapes – benefits, co-benefits and new modes for planning» as part of IALE 2022 European Landscape Ecology Congress, 11.-15.7.2022, in Warsaw, Poland.
- Co-organiser of symposium** «Multiple perspectives on Green infrastructure and Nature-Based Solutions» as part of IALE 2022 European Landscape Ecology Congress, 11.-15.7.2022, in Warsaw, Poland.
- Co-organiser of symposium** «Green Infrastructure as socio-ecological systems: governance for the common good» as part of IALE 2022 European Landscape Ecology Congress, 11.-15.7.2022, in Warsaw, Poland.
- Co-organiser of symposium** «Education in landscape ecology» as part of IALE 2022 European Landscape Ecology Congress, 11.-15.7.2022, in Warsaw, Poland.
- Co-organiser of symposium** «Policy making for European landscapes» as part of IALE 2022 European Landscape Ecology Congress, 11.-15.7.2022, in Warsaw, Poland.
- 2019 **Scientific committee** IALE World Congress 2019 «Nature and society facing the Anthropocene - Challenges and Perspectives for Landscape Ecology», 1.-5.7.2019, in Milan, Italy
- Co-organiser of symposium** «Innovating teaching and learning landscape ecology to address the challenges of the Anthropocene» as part of IALE World Congress 2019, 1.-5.7.2019, in Milan, Italy
- Co-organiser of symposium** «How is Landscape Ecology shaped by research policies?» as part of IALE World Congress 2019, 1.-5.7.2019, in Milan, Italy
- 2018 **Co-organiser of symposium** «Stadt – Land – Verflechtungen» im Rahmen der IALE-D Jahrestagung, 5.-7.9.2018, in Hannover, Germany
- 2017 **Co-organiser of symposium** «Urban Green Infrastructure Planning» as part of International Conference 2017 Urban Green Infrastructure - Connecting People and Nature for Sustainable Cities 20.-21.9.2017, in Malmö, Sweden
- Co-organiser of symposium** «Urban Green Infrastructure Planning – evidence-based interdisciplinary research across Europe» as part of IALE 2017 European Landscape Ecology Congress, 12.-15.9.2017, in Ghent, Belgium
- Co-organiser of symposium** «Landscape Planning and Nature-based Solutions» im Rahmen des IALE 2017 European Landscape Ecology Congress, 12.-15.9.2017, in Ghent, Belgium.
- Co-initiator and organisational committee** «6th LE:NOTRE Landscape Forum on Inclusive Landscapes», 16.-20.5.2017 in Freising-Weißenstephan, Germany