

# Curriculum Vitae Silvana Tiedemann

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## Short bio

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Silvana Tiedemann is a PhD researcher at the Centre for Sustainability and Research Associate to Prof. Lion Hirth in the ARIADNE project. Her PhD focus on energy policies for advanced stages of the energy transition. Silvana is an expert on the design of renewable energy support schemes, renewable energy auctions and locational incentives for renewables as well as on the impact of flexible consumers on the distribution grid. Previously, she worked as a Managing Consultant at Guidehouse, where she advised public and private clients on energy policies and their reform. Silvana holds a M.Sc. in Global Energy and Climate Policy from SOAS, University of London, and a B.Sc. in Physics from the Free University Berlin that included a research stay at the Potsdam Institute for Climate Impact Research.

## Positions

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Since 01/09/2020 **PhD researcher and Research Associate in the ARIADNE project, Hertie School, Berlin**

The ARIDANE project (full name: Ariadne - Evidence-Based Assessment for the Design of the German Energy System Transformation) researches which policy instruments are suitable for reaching the goals of the Paris Climate Change Agreement. Silvana analyses locational investment and dispatch signals in the electricity market. Her PhD focus on energy policies for advanced stages of the energy transition.

2015 – 2020

**Managing Consultant at Guidehouse (formerly Ecofys/Navigant), Berlin**

Guidehouse is an international energy policy consultancy. Silvana gave advice on renewable energy policies to clients including the German Ministry of Economic Affairs and Energy, distribution grid operators, think tanks, Deutsche Bahn, the European Commission, the Danish Energy Agency, the EBRD, the Energy Community Secretariat, the Nordic Council of Ministers, GIZ, and USAID. She managed projects with up to six partners and had budget responsibilities for up to EUR 2 million.

2013

**Consultant at MicroEnergy International, Berlin**

MicroEnergy International is a consultancy focusing on financing instruments for rural electrification. Silvana assessed a credit line for rural electrification in South Asia for the German Development Bank (KfW), coordinated the pilot phase of the market entry of a German company into the Bangladeshi solar market, and participated in a feasibility study on credit-financed energy efficiency measures in Central Asia.

2009–2012

**Student employee at the Renewables Academy (RENAC), Berlin**

RENAC is a leading international provider for training and capacity building on renewable energy and energy efficiency. Silvana helped develop training modules on technical, planning, and market integration aspects of renewable energy systems in English and French and supported international students in online university courses.

2011

**Internship at the Institute for Ecological Economics (IOEW), Berlin**

At IOEW, an institute for practice-oriented sustainability research, Silvana participated in the project “Fair fuels? A socio-ecological multi-level analysis of the possibilities of and limits to the international use of biofuels.”

## *Education*

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- Since 01/09/2020 **PhD researcher at the Centre for Sustainability at Hertie School, Berlin, Germany**  
Subject: “Energy policies for advanced stages of the energy transition”
- 2013–2014 **Global Energy and Climate Policy (M. Sc.), School of Oriental and African Studies (SOAS), University of London, GB**  
Final grade: Distinction  
Master thesis “**The Bangladeshi Solar Home System (SHS) Programme – Relevance and Development of the Supply Side**” (Distinction) supervised by Prof. Mushtaq Khan
- 2008–2012 **Physics (B. Sc.), Free University of Berlin**  
Final grade: 1.8  
The Bachelor thesis on “Analysing the Indian Summer Monsoon’s dependency on the El Nino-Southern Oscillation using Complex Network Theory” (grade: 1.0) was conducted at Potsdam Institute for Climate Impact Research.
- 2010–2011 **Erasmus exchange year at the Boğaziçi University, Turkey**
- 2008 **Paul-Natorp-Gymnasium (Abitur), Berlin**  
Final grade: 1.0
- 2005 – 2006 **Student exchange year at the Lycée Bellevue, Le Mans, France**

## *Vocational trainings*

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- 2013 – 2014 **Media and communication trainings, BBC**
- 2010 **Vocational training course on Onshore Wind Energy Fundamentals, RENAC**

## *Honours*

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- 2020 **Hertie scholarship for pursuing a PhD with the Centre for Sustainability**
- 2014 **Travel and research scholarship of the German Academic Exchange Service (DAAD) to conduct research for the Master thesis in Bangladesh**
- 2013 – 2014 **DAAD Scholarship for Postgraduate Studies in the United Kingdom**
- 2007 **Student award of the Berlin Society of Physics**

## *Mandates*

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- Since 2021 **Chairmen of the supervisory board of the Möckernkiez eG**
- 2018 – 2021 **Member of the supervisory board of the Möckernkiez eG**

## *Memberships*

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- Since 2014 **Strommarkttreffen**
- Since 2015 **Frauennetzwerk Energie (formerly Frauenenergiestammtisch)**

## Publications

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### Co-authored articles in peer-reviewed journals

**Technology-neutral auctions for renewable energy: EU law vs. reality in Member States**, *Journal for European Environmental & Planning Law*, 2019 (w/ Lars Jerrentrup, Bastian Lotz & Lion Hirth)

### Co-authored articles in conference proceedings

**Experiences with auctions for renewable energy support**, *14th International Conference on the European Energy Market (EEM)*, 2017 (w/ David Mora, Marco Islam, Emilie Rosenlund Soysal, Ana Amazo, Sonja Förster & Fabian Wigand)

### Reports and other publications

**Sechs Jahre wettbewerbliche Förderung – Evaluierung der Ausbauziele und deutschen Ausschreibungen für erneuerbare Energien**, *Energiewirtschaftliche Tagesfragen*, 2021 (w/ Bastian Lotz, Martin Jakob, Corinna Klessmann)

**Ansätze zur regionalen Steuerung des Ausbaus der erneuerbaren Energien, insbesondere der Windenergie an Land**, *Study for the German Ministry of Economic Affairs and Energy*, 2020 (w/ Jonas Knapp, Bastian Lotz, Marian Bons & Corinna Klessmann, Henning Jachmann, Tobias Kelm, Jochen Metzger, Silke Lüers, Anna-Kathrin Wallasch & Knud Rehfeldt)

**Wissenschaftliche Fundierung der Beratungen zu Abstandsregelungen bei Windenergie an Land**, *Study for the German Ministry of Economic Affairs and Energy (BMWi)*, 2019 (w/ Marian Bons, Corinna Klessmann, Bastian Lotz, Carsten Pape, Daniel Horst)

**Analyse der kurz- und mittelfristigen Verfügbarkeit von Flächen für die Windenergienutzung an Land**, *Study for the German Federal Environmental Agency (UBA)*, 2019 (w/ Marian Bons, Michael Döring, Corinna Klessmann, Jonas Knapp, Carsten Pape, Daniel Horst, Klara Reder & Mirjam Stappel)

**Verteilnetzausbau für die Energiewende – Elektromobilität im Fokus**, *Study for Agora Verkehrswende, Agora Energiewende & the Regulatory Assistance Project*, 2019 (w/ Korinna Jörling, Jonas Knapp, Christian Nabe, Karoline Steinbacher, Marco Greve, Maik Tretschock, Stefan Kippelt & Karsten Burges)

**Designing Renewable Energy Incentives and Auctions – Lessons learnt for ASEAN**, *Study for USAID*, 2017, (w/ Sopitsuda Tongsopit, Wathanyu Amatayakul, Phoebe Grace Saculsan, Vu Hoang Nghia, Chomsiri Tirapornvitoon, Rémy Favre, Ana Amazo & Angélica Afanador)

**Clean Restructuring: Design Elements for Low Carbon Wholesale Markets and Beyond**, *Report for the Clean Energy Ministerial*, 2016 (w/ Monisha Shah, Lori Bird, Owen Zinaman, Jeffrey Logan, José María Valenzuela, Héctor Alejandro Beltrán Mora, Kim Møller Porst, Anders Hasselager, Sandra Friis Jensen, Mette Vingaard & Fabian Wigand)

**Recommendations on the role of auctions in a new renewable energy directive**, *Policy paper of the AURES project*, 2016 (w/ Lena Kitzing, Marco Islam, Emilie Rosenlund Soysal, Anne Held, Mario Ragwitz, Jenny Winkler, Simone Steinhilber, Pablo del Río, Fabian Wigand, Corinna Klessmann, Sebastian Busch, André Ortner, Jan Kreiß, Oscar Fitch-Roy & Bridget Woodman)

**Auctions for Renewable Energy Support: Lessons Learnt from International Experiences**, *Report in the AURES project, 2016* (w/ Fabian Wigand, Sonja Förster & Ana Amazo)

**Auctions for Renewable Energy Support in Italy - Instruments and Lessons Learnt**, *Report in the AURES project, 2016* (w/ Sonja Förster & Fabian Wigand)

**Auctions for Renewable Energy Systems in Germany - Pilot scheme for ground-mounted**, *Report in the AURES project, 2015*

**Ausschreibungen für erneuerbare Energien – Wissenschaftliche Empfehlungen**, *Study for the German Ministry of Economic Affairs and Energy (BMWi), 2015* (w/ Corinna Klessmann, Fabian Wigand, Malte Gephart, Christoph Maurer, Bernd Tersteegen, Mario Ragwitz, Holger Höfling, Jenny Winkler, Tobias Kelm, Henning Jachmann, Karl -Martin Ehrhart, Marie-Christin Haufe, Malte Kohls, Malte Linnemeyer, Christoph Meitz, Christoph Riese, Julian Asmus Nebel)

**Akteursvielfalt Windenergie an Land – Herausforderungen, Akteursdefinition, Sonderregelungen**, *Study for the German Ministry of Economic Affairs and Energy (BMWi), 2015* (w/ Fabian Wigand, Corinna Klessmann)

**Ausschreibungen für erneuerbare Energien – Grundlagen und Gestaltungselemente**, *Study for the German Ministry of Economic Affairs and Energy (BMWi), 2015*, (w/ Corinna Klessmann, Fabian Wigand, Christoph Maurer, Bernd Tersteegen, Mario Ragwitz, Holger Höfling, Tobias Kelm, Henning Jachmann, Karl -Martin Ehrhart, Marie-Christin Haufe)

## *Voluntary activities*

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Since 2017      **Board member of Möckernkiez eG**

## *Skills*

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Languages      English (C2), French (C1), Turkish (A2)

Programming      C, Python, R (all basic)

Programmes      MS Office and Open Office Programmes, Mathematica, Latex