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Education

Ph.D. Candidate, University of Freiburg

M.Sc. Economics and Politics, University of Freiburg, 2015

B.Sc. Economics, University of Freiburg, 2013

Current Position

Head of Group Agrivoltaics,
Fraunhofer Institute for Solar Energy Systems ISE, since January 2021

Scientific Chair of AgriVoltaics2021

Previous Positions

Head of Team Agrivoltaics, Fraunhofer ISE, March 2018–January 2021

Project Manager Agrivoltaics, Fraunhofer ISE, March 2018–January 2021

Research Associate Agrivoltaics, University of Freiburg, May 2017–October 2018

Research Assistant, Fraunhofer ISE, September 2016–February 2018

Student Assistant Agrivoltaics, Fraunhofer ISE, January 2014–August 2015

Internship, European Parliament, September 2013–October 2013

Managing director, Organic food store, October 2001–February 2005

Selected Publications

Trommsdorff M., Vorast M., Durga N., and Padwardhan S. (2021): Potential of agrivoltaics to contribute to socio-economic sustainability: A case study in Maharashtra/India. AIP Conference Proceedings 2361, 040001 (2021); <https://doi.org/10.1063/5.0054569>

Vollprecht J., Trommsdorff M., and Hermann C. (2021): Legal framework of agrivoltaics in Germany, AIP Conference Proceedings 2361, 020002 (2021); <https://doi.org/10.1063/5.0055133>

Wirth H, Eggers J-B, Trommsdorff M, Neuhaus H, Heinrich M, Wieland S, Schill C (2021): Potenziale der Integrierten Photovoltaik in Deutschland. Tagungsband 36. PV-Symposium, ISBN 978-3-948176-14-3

Trommsdorff M., Kang J., Reise C., Schindele S., Bopp G., Bauerle A., Weselek A, Högy P, Obergfell T. (2021): Combining Food and Energy Production: Design of an Agrivoltaic System Applied in Arable and Vegetable Farming in Germany. Renewable and Sustainable Energy Reviews

Trommsdorff M., et al. (2021): Performance of agrivoltaic systems: a showcase from Germany, in: Littwin M., Baumgartner, F., Green, M., and van Sark, W. (2021): International Energy Agency Photovoltaic Power Systems Programme, Performance and Reliability of Photovoltaic Systems, Subtask 1.3: Performance of New Photovoltaic System Designs, IEA PVPS Task 13, <https://iea-pvps.org/research-tasks/performance-operation-and-reliability-of-photovoltaic-systems/>

Trommsdorff M., et al. (2021): Performance indices for parallel agriculture and PV usage, in: Littwin M., Baumgartner, F., Green, M., and van Sark, W. (2021): International Energy Agency Photovoltaic Power Systems Programme, Performance and Reliability of Photovoltaic Systems, Subtask 1.3: Performance of New Photovoltaic System Designs, IEA PVPS Task 13, <https://iea-pvps.org/research-tasks/performance-operation-and-reliability-of-photovoltaic-systems/>

Schindele S., Trommsdorff M., Schlaak A, et al. (2020): Implementation of agrophotovoltaics: Techno-economic analysis of the price-performance ratio and its policy implications, Applied Energy, Volume 265, ISSN 0306-2619, <https://doi.org/10.1016/j.apenergy.2020.114737>

Gorjiana S., Minaee S., Mircheginic L., Trommsdorff M. (2020): PV Systems in Agricultural Automation and Robotics. In: Photovoltaic Solar Energy Conversion: Technologies, Applications and Environmental Impacts. ELSEVIER, ISBN 978-0-12-819610-6

Trommsdorff M. (2016): An economic analysis of agrophotovoltaics: Opportunities, risks and strategies towards a more efficient land use. Constitutional Economics Network Working Paper 2016(03)