

**Current position**

Head of Department Energy Systems Analysis & Deputy Director at the Institute of Networked Energy Systems, formerly NEXT ENERGY Institute, DLR (since 2010)

Previous position (two selected)

Executive Assistant to the Board of Directors, FZJ (2009 – 2010)
Scientist, Institute of Energy and Climate Research, FZJ (2002-2009)

Scientific degree

Dr. rer. nat. (PhD) in Physics, FZJ/University Wuppertal, Germany (2009)
Diploma in Environmental Sciences, University Oldenburg, Germany (2001)

Recent research topics

European and urban energy systems, integration of renewables, technology assessment, energy storage, fuel cells, hydrogen systems, electric vehicles, grid & system modelling, GIS, open source & data, environmental science

Awards, honors, memberships

Advisory Board Member, Climate Protection Agency Hannover (since 2019)
Member of Board of Directors, EUREC, Brussels (2013 – 2015)

Publications (5 most important)

- S. Weitemeyer, D. Kleinans, **T. Vogt**, **C. Agert**, Integration of Renewable Energy Sources in future power systems: The role of storage, *Renew. Energ.* 75, 14 (2015) doi: [10.1016/j.renene.2014.09.028](https://doi.org/10.1016/j.renene.2014.09.028)
- M. Hiremath, **K. Derendorf**, **T. Vogt**, Comparative life cycle assessment of battery storage systems for stationary applications, *Environ. Sci. Technol.* 49, 4825 (2015) doi: [10.1021/es504572q](https://doi.org/10.1021/es504572q)
- **A. Alhamwi**, **W. Medjroubi**, **T. Vogt**, **C. Agert**, GIS-based urban energy systems models and tools: Introducing a model for the optimisation of flexibilisation technologies in urban areas, *Appl. Energ.* 191, 1 (2017) doi: [10.1016/j.apenergy.2017.01.048](https://doi.org/10.1016/j.apenergy.2017.01.048)
- A. Pehlken, S. Albach, **T. Vogt**, Is there a resource constraint related to lithium ion batteries in cars?, *Int. J. Life Cycle Ass* 22, 40 (2017) doi: [10.1007/s11367-015-0925-4](https://doi.org/10.1007/s11367-015-0925-4)
- S. Weitemeyer, D. Kleinans, L. Wienholt, **T. Vogt**, **C. Agert**: A European perspective: potential of grid and storage for balancing renewable power systems, *Energy Technology* 4, 114 (2016) doi: [10.1002/ente.201500255](https://doi.org/10.1002/ente.201500255)