

DR. FABIAN STÖCKL

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WORK EXPERIENCE

Economist at Vivid Economics,

Growth & Development Practice, Cities & Infrastructure Practice

since 2021

Research Associate at the German Institute for Economic Research (DIW Berlin),

Department Energy, Transportation, and Environment

2015-2021

- Plan, organize, and conduct research projects
- Software development (numerical energy system modeling); Focus: hydrogen and synthetic fuels
- Publishing in scientific journals and presentations at scientific and policy-oriented conferences
- Preparation of executive summaries
- Instruction and supervision of student assistants

EDUCATION

Ph.D. in Economics, supervised by Prof. Dr. Georg Meran and Prof. Dr. Claudia Kemfert

Technische Universität Berlin, DIW Berlin Graduate Center, and Berlin School of Economics

2015-2020

DIW Graduate Center

One-year Ph.D.-level coursework (structured Ph.D.-program)

2014-2015

M.Sc. in Economics

Ludwig Maximilians Universität Munich, Germany

2011-2014

B.Sc. in Economics

Ludwig Maximilians Universität Munich, Germany

2008-2011

PUBLISHED PAPERS

What Determines the Elasticity of Substitution Between Capital and Labor? A Literature Review

with Michael Knobloch, *Journal of Economic Surveys* (2020) [[PDF](#)]

Green Hydrogen: Optimal Supply Chains and Power Sector Benefits

with Wolf-Peter Schill and Alexander Zerrahn, *Scientific Reports* (forthcoming) [[PDF - working paper](#)]

WORKING PAPERS

Is Substitutability the New Efficiency? Endogenous Investment in the Elasticity of Substitution between Clean and Dirty Energy

DIW Discussion Paper No. 1886 [[PDF](#)]

Substituting Clean for Dirty Energy: A Bottom-Up Analysis

with Alexander Zerrahn, *DIW Discussion Paper No. 1885* [[PDF](#)] - under review

WORK IN PROGRESS

“My eRoads” - Electrification Potential of Freight and Bus Transport

Funding: *German Ministry for the Environment, Nature Conservation and Nuclear Safety*

Project Partners: *IFEU (lead), Fraunhofer IIS, PTV Group, DIW Berlin*

Benefits of Hydrogen/Power-to-Liquid Mobility for Integrating Intermittent Renewable Energy

with Carlos Gaete, Martin Kittel, Alexander Roth, and Wolf-Peter Schill

Increasing Capital-Labor Substitutability and the Declining Labor Income Share

SOFTWARE DEVELOPMENT

Core developer of DIETER (Dispatch & Investment Evaluation Tool with Endogenous Renewables) [[GitLab](#)]

- Programming Language: *GAMS/Python*

- Special Contributions:

- H₂ production and distribution for the mobility sector ([DIETER 1.4](#))
- H₂ as energy storage ([DIETER 1.5](#))
- Power-to-Liquid production ([DIETER 1.5](#))

TEACHING

Hertie School of Governance:

Teaching Assistant; Course: “*Trade, Growth, and Development*” (Prof. Dr. Franziska Holz)

2016

PRESENTATIONS

Selected Presentations: EAERE Meeting (2021 - scheduled) *Berlin*; EEA Meeting (2020) *Erasmus-University Rotterdam*; 7th GGKP Annual Congress (2019) *Seoul*; EEA Meeting (2019) *University of Manchester*; Berlin-Bavaria Meeting, *Ifo Institute Munich*; P2X-Day - Kopernikus Project (2019) *Frankfurt*; 6th World Congress of Environmental and Resource Economists (2018) *University of Gothenburg*; 7th Mannheim Energy Conference (2018) *Center for European Economic Research (ZEW), Mannheim*; AURÖ Workshop - German Economics Association (2018) *University of Osnabrück*

OTHER PROFESSIONAL ACTIVITY

Refereeing Nature Communications, Economics Bulletin

SCHOLARSHIPS AND AWARDS

Doctoral Grant from the **DIW Berlin Graduate Center** 2014-2015

University of Munich program for top-performing students (**ECONnect**) 2009-2010

FURTHER SKILLS

Languages German (native), English (fluent), Spanish (intermediate)

Software Mathematica, GAMS, R, Microsoft Office, L^AT_EX, (Python)

Further Training *CGE (computable general equilibrium) in Climate and Energy Economics*, Workshop by Frank Vöhringer (EPF Lausanne), 2015

RESEARCH INTERESTS

Primary Fields (Green) Growth Theory, Environmental and Climate Economics, Declining Labor Share of Income

Secondary Fields Energy System Modeling, Operations Research

REFERENCES

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German Institute for Economic Research
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PERSONAL

Date & Place of Birth September 24, 1986, Salzburg, Austria

Citizenship Austria

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