

# DR. FABIAN STÖCKL

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## WORK EXPERIENCE

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**Economist at Ministry of Finance - Vienna, AT,**  
*Section II (Budget) - Department Climate, Energy, and Environment* 2022-

**Economist at Vivid Economics (McKinsey & Company) - London, UK,**  
*Growth & Development, Energy & Industry, and Sustainable Finance Practice Groups* 2021-2022

- Design and conduct consulting/research projects for public and private sector clients
- Contribute to all project stages: proposal, economic analysis, report writing, and client presentations
- Project areas: post-Covid-19 green recovery, sustainable finance, and economic growth
- Paris-alignment and portfolio footprinting: SDA & ITR methodology

**Research Associate at German Institute for Economic Research (DIW Berlin) - Berlin, DE,**  
*Department Energy, Transportation, and Environment* 2015-2021

- Plan, organize/lead, and conduct research projects
- Publish in scientific journals and present findings at scientific and policy-oriented conferences
- Software development (numerical energy system modeling); Focus: hydrogen and synthetic fuels
- Instruction and supervision of student assistants and interns

## EDUCATION

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**Ph.D. in Economics**, supervised by Prof. Dr. Georg Meran and Prof. Dr. Claudia Kemfert  
*Technische Universität (TU) 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 (LMU) Munich, Germany* 2011-2014

**B.Sc. in Economics**  
*Ludwig Maximilians Universität (LMU) Munich, Germany* 2008-2011

## PUBLISHED PAPERS

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**What Determines the Elasticity of Substitution Between Capital and Labor? A Literature Review**  
with Michael Knoblach, *Journal of Economic Surveys* (2020) [[PDF](#)]

**Optimal supply chains and power sector benefits of green hydrogen**  
with Wolf-Peter Schill and Alexander Zerrahn, *Scientific Reports* (2021) [[PDF](#)]

**Substituting Clean for Dirty Energy: A Bottom-Up Analysis**  
with Alexander Zerrahn, *Journal of the Association of Environmental and Resource Economists* (2023) [[PDF](#)]

## WORKING PAPERS

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**Is Substitutability the New Efficiency? Endogenous Investment in the Elasticity of Substitution between Clean and Dirty Energy**  
*DIW Discussion Paper No. 1886 (under review)* [[PDF](#)]

## WORK IN PROGRESS

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**Increasing Capital-Labor Substitutability and the Declining Labor Income Share**

## SOFTWARE DEVELOPMENT

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

- Programming Language: *GAMS/Python*
- Special Contributions:
  - H<sub>2</sub> production and distribution for the mobility sector ([DIETER 1.4](#))
  - H<sub>2</sub> as energy storage & Power-to-Liquid Production ([DIETER 1.5](#))

## TEACHING

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### Hertie School of Governance:

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

2016

## PRESENTATIONS

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*Selected Presentations:* 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

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**Refereeing** Nature Communications, Economics Bulletin

## SCHOLARSHIPS AND AWARDS

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

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

## FURTHER SKILLS

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

**Software** Mathematica, GAMS, R, Microsoft Office, L<sup>A</sup>T<sub>E</sub>X, Python

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

## RESEARCH INTERESTS

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**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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**Prof. Dr. Georg Meran**  
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**Gabriel Moreno**  
Engagement Manager  
Vivid Economics / McKinsey  
gabriel.moreno@vivideconomics.com

## PERSONAL

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

**Citizenship** Austria