# Lion Hirth

#### SHORT BIO

Prof. Dr. Lion Hirth is founder and director of Neon, a boutique energy economics consulting firm, and Professor of Energy Policy at Hertie School, a Berlin-based public policy school. He is an energy economist and expert in renewables, electricity markets, and energy policy. His academic articles are published in the top energy economics and engineering journals, have won several awards and are among the most cited in the field. Lion was a member of Germany's gas commission and has advised clients across the private and public sectors, including the German government, the International Energy Agency, the European Commission, transmission system operators, utilities, and commodity trading houses. His Twitter and LinkedIn accounts are followed by 60k+ people. Before acquiring a Ph.D., he spent five years in industry.

#### **Positions**

Founder and director of Neon Neue Energieökonomik GmbH, a Berlinbased boutique consulting firm for energy economics, advising international clients from the public and private sector to design and navigate power systems and markets

#### 2017 – present Professor at Hertie School

Professor of Energy Policy at Hertie School, a public policy school, teaching classes on energy economics, electricity markets, power market modeling, climate change, and economic growth

#### 2014 – 2016 Post-doc researcher at MCC

Post-doctoral researcher at Mercator Research-Institute for Global Commons and Climate Change, a think tank for climate economics

#### 2009 – 2014 Market analyst at Vattenfall

Market analyst at Vattenfall Group Strategy, assessing renewable energy policy, long-term electricity prices and balancing energy

#### **EDUCATION**

2012 – 2014	Economics (Ph.D.), Technical University of Berlin "The Economics of Wind and Solar Variability" (summa cum laude), supervised by Ottmar Edenhofer
2004 – 2009	Economics (Diploma), University of Tübingen GPA: 1.1/5.0, best degree in economics

2005 – 2010	Political Science (Magister Artium), University of Tübingen GPA: "excellent"
2001 – 2009	Study abroad and research visits UMass (USA), U Católica (Chile), John Abbot College (Canada)

## TEACHING

2017 – present	Master-level courses at Hertie School
2014 – present	Executive training seminars
2006 – 2018	Summer schools at Deutsche Schülerakademie

### Honors

2022	Member of the Gas Commission of the German government
2020, '21, '22	Top 40 under 40, Das Capital
2018	Excellence in Teaching Award, Hertie School
2015	Best paper award, INREC conference Essen
2014	Best working paper award, International Association for Energy Economics
2013	Best paper award and Best poster award, IEWT conference Vienna
2011	Best degree in economics, University of Tübingen
2005 – 2010	Scholarship, Studienstiftung des Deutschen Volkes

## PROJECT HIGHLIGHTS

Ongoing	Real-time price (Elia)  Review of a new methodology to calculate the imbalance settlement price and provide a price forecast to market participants. Lion is one of the three members of the expert review committee.
2023	Smart retail tariffs (LichtBlick) Proposal for a dynamic retail tariff that offers customers price insurance without stifling decentralized flexibility (report) and dynamic grid fees (report). Lion led the project.
2021-24	EU electricity market design (BMWK)  Large-scale, multi-year project on numerous electricity market topics for Germany's Economics Ministry, including EU electricity market reform.  Jointly with Consentec, we provided advice on crisis response and the design of the revenue cap. Lion led the work on multiple topics.