

Prof. Dr. Hans Gersbach

Professor of Macroeconomics: Innovation and Policy
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Education

1987–1990 Dr. rer. pol., University of Basel
Dissertation: *Information Efficiency in Majority Decisions*
Supervisor: Prof. Dr. Peter Bernholz

1995 Habilitation, University of Basel

1986 Degree in Economics (lic. rer. pol.), University of Basel

1985 Degree in Actuarial Science (dipl. vers. math.), University of Basel

1984 Degree in Mathematics (dipl. math.), University of Basel

Professional Activities

2006–present Professor of Macroeconomics: Innovation and Policy, ETH Zurich

Fall term 2012 Visiting Professor, Bendheim Center of Finance, Princeton University

1995–2006 Professor, University of Heidelberg

1994–1995 *Oberassistent*, Prof. Dr. Martin Hellwig, University of Basel

1993–1994 Visiting Scholar, University of California, Los Angeles

1992–1993 Research Fellow, McKinsey Global Institute

1992 *Oberassistent*, Prof. Dr. Martin Hellwig, University of Basel

1990–1992 Consulting, McKinsey & Co., Switzerland

1987–1990 Teaching and Research Assistant, Prof. Dr. Peter Bernholz, University of Basel

1986–1987 Software Development, National-Versicherung, Basel

Current Leadership and Fellow Positions

International:

- Member and Former Chairman of the Scientific Advisory Board of the German Federal Ministry for Economic Affairs and Climate Action, Berlin
- Research Fellow of CEPR (Center of Economic Policy Research), London
- Research Fellow of CESifo, Munich
- Research Fellow of IZA, Bonn

National / ETH Zurich:

- Professor of Macroeconomics: Innovation and Policy
- Co-Director of KOF – Swiss Economic Institute, Zurich
- Founding Member of CER-ETH – Center of Economic Research at ETH, Zurich
- Member of *Kommission für Wirtschaftspolitik*, Bern

Research Areas

Macroeconomic Thinking and Economic Policy

- Macroeconomic Modeling
- Money Creation, Monetary Architectures, and Digital Currencies
- Crisis Management and Resilience of Financial Institutions
- Aggregate Risk Management and Insurance against Banking Crises
- Fiscal Policy and Government Debt

Innovation, the Engines of Growth, and Long-term Well-being

- Basic Research, Innovation, Growth Policy and Innovation Systems
- Climate Change and International Treaties
- Design of Antibiotic R&D Markets

Design of New Institutions

- New Collective Decision Rules
- Governance of Blockchains
- Incentive Contracts for Politicians and Dual Democracy
- General Equilibrium Theory and Group Formation

Technology Development

- Staking Models on Blockchains
- Governance Algorithms of Proof-of-Stake Blockchains

Recent Honors

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| 2021 | European Association of Environmental and Resource Economists (EAERE) Award for Outstanding Publication 2021: Long-term Climate Treaties with a Refunding Club, <i>Environmental and Resource Economics</i> 80, 2021, 511–552 (with Noëmi Hummel and Ralph Winkler) |
| 2017 | City of Basel Science Award |