

## **Manfred Fishedick**

Prof. Dr.-Ing.

**Vice President and Member of the Wuppertal Institute's management as Authorised Representative**



### ***Education/Academic Training***

- University of Dortmund, Germany, University Diploma in Chemical Engineering
- Doctorate in the field of Energy Technology, University of Stuttgart, Germany

### ***Professional Experience***

- 1991 – 1993: Research Fellow and PhD Student at University of Stuttgart, Germany
- 1993 – 1996: Project Co-ordinator at the Wuppertal Institute for Climate, Environment and Energy
- 2003 – 2010: Director of Research Group 1 “Future Energy and Mobility Structures”
- Since 2006: Vice President of the Wuppertal Institute
- 2008 – 2010: Acting Head of the Wuppertal Institute
- Since 2008: Professor at the Schumpeter School of Business and Economics at the University of Wuppertal
- Since 2010: Member of the Wuppertal Institute's management as Authorised Representative

### ***Research Focus***

- Energy systems and energy scenario analysis
- Greenhouse gas mitigation strategies and multi-criteria evaluation
- Renewable energies and innovative energy technologies (system integration aspects)
- National and international energy and climate policy
- Market development of new technologies
- Infrastructure analysis
- Research and technology policy
- Technology assessment and forecasting
- Green entrepreneurship
- Sustainable urban infrastructures

### ***Selected Memberships***

- Lead Author of the IPCC 6<sup>th</sup> Assessment Report
- Member of the “Seoul International Scientific Advisory Council (SIEAC)”
- Chair of the Virtual Scientific Institute “Non-Technical Aspects of the Energiewende in North Rhine-Westphalia
- Member of the Executive Board Clean Tech NRW (co-chair)
- Chair of the Scientific Advisory Council “Innovation City Ruhr”
- Speaker of the Directory Board Research Association Renewable Energy (FVEE)
- Member of the Science and Technology Advisory Board Desertec University Network
- Member of the Advisory Board Urban Planning of the City of Munich
- Member of the Coordination Committee “Climate Plan in North Rhine-Westphalia”

- Member of the Steering Committee of the Competence Network “Kraftwerkstechnik” (Power Plant Technology) of the Government of the Land North Rhine-Westphalia
- Member of the Scientific Advisory Board EON-RWTH Aachen Research Center
- Member of the Scientific Advisory Board Energiewirtschaftliches Institut (EWI) University Cologne
- Member of the ACATECH-BMBF-Initiative “Energy System of the Future”
- Member of the Scientific Board “Renewable Energy” (peer reviewed Journal)
- Member of the Expert Panel “European Green Capital”
- Member of the “Energy Academy” of the “Handelsblatt”-Journal

#### ***Selected former activities***

- Coordinating Lead Author of the IPCC 5<sup>th</sup> Assessment Report (2011-2014)
- Chair of the Competition “Innovation City Ruhr”
- Coordinating Lead Author of the IPCC Special Report Renewable Energies (responsible for Mitigation potential and costs) (2009-2011)
- Member of the Advisory Board of the German Biomass Centrum (co-chair 2007-2011)
- International Steering Committee “World Renewable Energy Congress 2008”
- Member of the Enquête Commission “The Effects of Long-Term Increasing Prices for Oil and Gas on Economy and Consumers in North Rhine-Westphalia”, installed by the State Parliament of North Rhine-Westphalia (2006-2009)
- Scientific Committee “International German Hydrogen Conference” in 2006 and 2008
- Advisory Board of the Immission Panel of the German Bundesland Brandenburg (2005-2008)
- Delegation of the Federal Government “Renewables 2004”
- Roster of Experts of the STAP/Global Environmental Facility

#### ***Academic work (university lecturer)***

##### **Ongoing activities:**

- University of Wuppertal, Schumpeter School of Business and Economics “Dynamic development of markets” (since winter term 2007/08)
- University of Koblenz-Landau “European Energy Policy” (since summer term 2005)

##### **Former activities:**

- University of Kassel, Master programme Renewable Energies “Energy Economy” (winter term 2006/07)
- University of Hagen, Master programme INFERNUM “System analysis” (winter term 2004)
- University of Applied Sciences Wiesbaden “Energie und Umwelt” (Energy and Environment) in Environmental Studies from the winter term 1997/98 until 2001/02
- Witten/Herdecke University “Ökologisches Wirtschaften” (Ecological Management) in the summer and winter term 1996

#### ***Book publications***

Fischedick, M., Görner, K., Thomeczek, M. (Hrsg.): CO<sub>2</sub>: Abtrennung, Speicherung, Nutzung, Springer Verlag, Wiesbaden, 2015.

Frey, A., Jäger, T., Messner, D., Fischedick, M., Hartmann-Wendels, T., Globalisierungsgestaltung und internationale Abkommen, Springer Verlag, Wiesbaden, 2014.

Fischedick, M., Hennicke, P.: Erneuerbare Energien, Beck Verlag, München, 2007.

Krewitt, W., Pehnt, M., Fischedick, M., Temming, H. (Hrsg.): Brennstoffzellen in der Kraft-Wärme-Kopplung – Ökobilanzen, Szenarien, Marktpotenziale. Erich Schmidt Verlag, Berlin, 2004.

Fischedick, M., Nitsch, J., Langniß, O.: Nach dem Ausstieg: Zukunftskurs Erneuerbare Energien, Hirzel Verlag, Stuttgart, 2000.

Fischedick, M.: Erneuerbare Energien und Blockheizkraftwerke im Kraftwerksverbund - Technische Effekte, Kosten, Emissionen, Dissertation, Universität Stuttgart, Stuttgart, 1996.

Fischedick, M.; Kaltschmitt, M.: Wind- und Solarstrom im Kraftwerksverbund - Möglichkeiten und Grenzen, C. F. Müller Verlag, Karlsruhe, 1995.

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