

# Manfred Fishedick

## Position/Department/Division/Institution/Organization

Scientific Managing Director

Wuppertal Institute for Climate, Environment & Energy

## Country

Doeppersberg 19, 42103 Wuppertal, Germany

## Career history

- 1991 – 1993: Research Fellow and PhD Student at University of Stuttgart, Germany
- 1993 – 2003: Scientific coordinator and representative director of the Energy Department
- 2003 – 2010: Director of Research Group 1 “Future Energy and Mobility Structures”
- 2008 – 2010: Acting Head of the Wuppertal Institute for Climate, Environment and Energy
- 2006 – 2020: Vice President of the Wuppertal Institute for Climate, Environment and Energy
- 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
- Since 2020: Scientific Managing Director of the Wuppertal Institute for Climate, Environment and Energy

## Awards/Publications

### Selection from book publications

- Fishedick, M., Görner, K., Thomeczek, M. (Hrsg.), “CO<sub>2</sub>: Abtrennung, Speicherung, Nutzung”, Springer Verlag, Wiesbaden, 2015.
- Frey, A., Jäger, T., Messner, D., Fishedick, M., Hartmann-Wendels, T., “Globalisierungsgestaltung und internationale Abkommen”, Springer Verlag, Wiesbaden, 2014.
- Fishedick, M., Hennicke, P., “Erneuerbare Energien”, Beck Verlag, München, 2007.
- Krewitt, W., Pehnt, M. Fishedick, M., Temming, H. (Hrsg.), “Brennstoffzellen in der Kraft-Wärme-Kopplung – Ökobilanzen, Szenarien, Marktpotenziale”, Erich Schmidt Verlag, Berlin, 2004.
- Fishedick, M., Nitsch, J., Langniß, O., “Nach dem Ausstieg: Zukunftskurs Erneuerbare Energien”, Hirzel Verlag, Stuttgart, 2000.

- Fishedick, M., “Erneuerbare Energien und Blockheizkraftwerke im Kraftwerksverbund - Technische Effekte, Kosten, Emissionen”, Dissertation, Universität Stuttgart, Stuttgart, 1996.
- Fishedick, M.; Kaltschmitt, M., “Wind- und Solarstrom im Kraftwerksverbund - Möglichkeiten und Grenzen”, C. F. Müller Verlag, Karlsruhe, 1995.

### **Selection of peer-reviewed journal articles**

- Fishedick, M., Holtz, G., Fink, T., Amroune, S., & Wehinger, F. (2020). “A phase model for the low-carbon transformation of energy systems in the MENA region”. Energy Transitions.
- Kolbe, K., Lechtenböhmer, S., & Fishedick, M. (2019). „Hydrogen derived from algae and cyanobacteria as a decentralized fueling option for hydrogen powered cars : size, space, and cost characteristics of potential bioreactors. International Journal of Sustainable Transportation”. International Journal of Sustainable Transportation, 14(5), 325–334.
- Yetano Roche, M., Verolme, H., Agbaegbu, C., Binnington, T., Fishedick, M., & Oladipo, E. O. (2020). „Achieving Sustainable Development Goals in Nigeria’s power sector: assessment of transition pathways“. Climate Policy, 20(7), 846–865.
- Manfred Fishedick. (2019). „Die Rolle von Erdgas(import-)infrastrukturen für zukunftsfähige Energiesysteme“. Energiewirtschaftliche Tagesfragen, 69(1/2), 45–50.
- Weigel, P., & Fishedick, M. (2018). „Rolle der Digitalisierung in der soziotechnischen Transformation des Energiesystems“. Energiewirtschaftliche Tagesfragen, 68(5), 10–16.

### **Areas of expertise**

- Energy system and energy scenario analysis
- Greenhouse gas mitigation strategies and multi-criteria evaluation
- Renewable energies and innovative energy technologies
- National and international energy and climate policy
- Dynamic market development and market launch strategies
- Infrastructure Analysis
- Research and technology policy
- Technology forecasting
- Development of business segments, corporations and technology
- Sustainable urban infrastructures