

## Prof. Dr. rer. agr. Frank Ewert

### Professional experience

2016 - present	Scientific Director - Leibniz Centre for Agricultural Landscape Research (ZALF), Germany
2008 - present	Full Professor of Crop Science, Institute of Crop Science and Resource Conservation (INRES), University of Bonn, Germany
2002 - 2008	Senior Scientist, Department of Plant Sciences, Wageningen University, The Netherlands
1995 - 2002	Assistant and Associate Research Professor, Department of Agricultural Sciences, Royal Veterinary and Agricultural University (Copenhagen University), Denmark
1994 - 1995	Higher Scientific Officer, IACR-Long Ashton (BBSRC), University of Bristol, UK
1992 - 1994	Consultant for Environmental Planning (Econ), Rostock, Germany
1988 - 1992	Research Associate (PhD), Rostock University, Germany

### Research Profile

Background	<ul style="list-style-type: none"><li>• Crop physiology/ecology, agro-ecosystem physiology, agronomy</li><li>• Systems analysis, crop and cropping systems modelling</li></ul>
Research activities	<ul style="list-style-type: none"><li>• Analysis and mathematical modelling:<ul style="list-style-type: none"><li>○ Crop and cropping system processes and responses to management and the environment (climate, CO<sub>2</sub>, water, nutrients, ozone, ...)</li><li>○ Dynamics of carbon, nutrients and water in agro-ecosystems</li><li>○ Scaling methods and multi-scale modelling</li></ul></li><li>• Impact assessment, integrated assessment, risk assessment:<ul style="list-style-type: none"><li>○ Global/climate change on crop production, agricultural land use and food security</li><li>○ Resilience, vulnerability and adaptability of plant production systems and ecosystem service</li></ul></li></ul>

### Scientific functions and memberships

2015 - present	Editorial Board, <i>Nature Scientific Reports</i>
2014 - present	Member of the Scientific Advisory Board of the Federal Ministry

- of Education and Research funded research initiative "[Agrarsysteme der Zukunft](#)"
- 2014 - present Member of the Scientific Advisory Board of FACCE-JPI, the Joint Programming Initiative on Agriculture, Food Security and Climate Change (<http://www.faccejpi.com>)
- 2012 - present Member of the coordination team of MACSUR (Modelling European Agriculture with Climate Change for Food Security, <http://www.macsur.eu/>, knowledge Hub within FACCE JPI), Leader of the Crop Modelling Theme
- 2011 - 2015 Member of the Scientific Advisory Board of the EU-funded Research Programme Animal Change (<http://www.animalchange.eu/>)
- 2010 - 2016 Co-Editor-in-Chief, *Field Crops Research*
- 2010/2011 Guest Editor, Special Issue on *Scaling methods for integrated assessment and modelling in agriculture*, In: *Agriculture, Ecosystems and Environment*
- 2007 - present Editorial Board, *European Journal of Agronomy*
- 2002 - 2015 Editorial Board, *Agriculture, Ecosystems and Environment*