

"I am fascinated by microalgae because these single cell organisms have such a great potential to feed and fuel our future world" says **Dr. Christine Rösch**. She highlights that they do not contribute to land use competition, loss of biodiversity and environmental pollution through pesticides and fertilizers. She is project leader of various research European and national microalgae projects exploring different aspects of algae, such as their ability to synthesize modern fuels, high-value food or uptake nutrients and carbon dioxide from waste streams.

Dr. Christine Rösch was trained as an agricultural biologist. In 1996, she graduated at the University of Hohenheim. From 1986 to 1987 she was a junior scientist at the University of Georgia, USA and from 1988 to 1995 junior scientist at the Department of Applied Systems Analysis of the Research Centre Karlsruhe. From 1996 to 1998 she worked as scientist at the Office of Technology Assessment at the German Bundestag. From 1998 to 2000 she was senior scientist at the Institute for Energy Economics and the Rational Use of Energy (IER) at the University of Stuttgart.

Since 2001, she works as senior scientist at the Institute of Technology Assessment and Systems Analysis (ITAS) of the Karlsruhe Institute of Technology (KIT) and since 2010, she is head of the research area "Sustainability and Environment" at ITAS. As project and task leader, she has conducted many research projects on behalf of the European Commission, the Federal Ministry of Education and Research and other institutions. Most of her scientific work deals with technology and sustainability assessment in the field of energy and bioeconomy.