Within the "Earth System Chemistry Integrated Modelling (ESCIMo)" initiative chemistry-climate-simulations are planned by the "MESSy Consortium" with the ECHAM/MESSy Atmospheric Chemistry (EMAC) model for special topics related to the national project of the DFG-Forschergruppe SHARP (Stratospheric Change and its Role for Climate Prediction) and the international IGAC/SPARC Chemistry-Climate Modelling Initiative (CCMI, see http://www.pa.op.dlr.de/CCMI/). These simulations will be carried out in support of upcoming WMO/UNEP ozone and IPCC climate assessments and will help to answer emerging science questions as well as to improve process understanding. To meet these scientific needs, the CCMI community with active support from SHARP scientists jointly defined new reference and sensitivity simulations.

The members of the "MESSy Consortium" are represented here by the following institutions:

- Institute of Atmospheric Physics, Deutsches Zentrum für Luft- und Raumfahrt, Oberpfaffenhofen (DLR-IPA)
- Karlsruhe Institute of Technology, Institute for Meteorology and Climate Research -Atmospheric Trace Gases and Remote Sensing (KIT-IMK-ASF) and Steinbuch Centre for Computing - Simulation Lab Climate and Environment (KIT-SCC-SLC)
- Institute for Energy and Climate Research Stratosphere, Forschungszentrum Jülich (FZJ-IEK-7)
- Institute of Meteorology, Freie Universität Berlin (FUB)
- Institute of Atmospheric Physics, Johannes-Gutenberg Universität Mainz (UMZ-IPA)
- Max-Planck Institute for Chemistry, Mainz (MPIC)