



## ● PROJECTS

---

### 2020—present: CAMS\_43

---

Contribution (part-time) to “[CAMS 43: Development of global aerosol aspects](#)” of the [IFS model](#) of [ECMWF](#).

### 2020—present: urbisphere

---

Contribution (part-time) to [ERC-SyG - Synergy grant](#), “[urbisphere - coupling dynamic cities and climate](#)”.

### Previous projects / Collaborations

---

- **2019:** Collaboration with [EMEP](#) w.r.t. testing of EQSAM4clim in the EMEP [MSC-W model](#). [Report \(pdf\)](#).
- **2019:** Collaboration with [IVU Umwelt GmbH](#) w.r.t. evaluation of [MOSMIX](#) forecasting data of the [DWD](#).
- **2018:** Collaboration with [Ramboll](#) w.r.t. testing of EQSAM4clim in the [CAMx](#) model. [Poster \(pdf\)](#).
- **2015-2018:** Contribution to the H2020-EINFRA-2015-1 project “Energy oriented Centre of Excellence ([EoCoE](#))”, Optimal operation of Concentrated Solar Power under Weather Uncertainty: [Project Deliverable \(OpenAire\)](#), on DNI forecasting for the Solar Power Plant Facility of [The Cyprus Institute](#) in Pentakomo.
- **ECHOES - The Newsletter of the EoCoE project:** [Vol. 1, Issue 1, 10th February 2017](#).
- **2015-2016:** PI of PMap2 product validation of [MPIC](#), for [EUMETSAT](#) ITT [15/210839](#):
- **2012-2014:** Contribution to the ERC Advanced Research Grant, FP7/ERC **C8**-Project: [Consistent Computation of the Chemistry-Cloud Continuum and Climate Change in Cyprus](#) .
- **2010-2011:** PI of „**BZ-Life**“, research collaboration between [MPIC](#), Mainz and [Fraunhofer ISE](#), Freiburg, with partner [DWD](#), section Medizin Meteorologie, Freiburg. Investigation of potential degradation effects of proton-exchange membrane (PEM) fuel cells when exposed to stationary atmospheric air pollution .
- **2007-2010:** Contribution to the EU Framework 6 RTD Program, Integrated Project [CIRCE](#) Climate Change and Impact Research: the Mediterranean Environment .
- **2005-2007:** Contribution to the EC(Nest Insight)-Project, [ANTISTORM](#), “Anthropogenic Aerosols Triggering and Invigorating Severe Storms”. Outcome: “*ANTISTORM provided one of the first insights into the science of 'man-made' weather in Europe. In fact, some weather phenomena may not be as natural as commonly thought. Recent studies suggested that man-made particulate pollution can substantially increase the severity of certain storms or even trigger their inception.*”
- **2002-2004:** Contribution to the EU Framework 5 RTD Program, [PHOENICS](#), “Particles of Human Origin Extinguishing Natural solar radiation In Climate Systems”
- **1997-2000: Ph.D. Thesis**“*Gas/Aerosol Partitioning: A simplified Method for Global Modeling*”, accomplished at the Institute for Marine and Atmospheric Research (IMAU), University Utrecht; Promoters: Prof. Dr. J. Lelieveld and Prof. Dr. H. Graßl; Co-Promoter: Dr. F. J. Dentener; funded of the European Commission (bursary ENV4-CT96-5036 and SINDICATE).
- **1996-1997:** Contribution to the EC Project, [SINDICATE](#), “Study of the INdirect and Direct Influences on Climate of Anthropogenic Trace gas Emissions”.
- **1996-1998:** Contribution to the EUREKA project, [EUROTRAC](#), “The European Experiment on the Transport and Transformation of Environmentally Relevant Trace Constituents over Europe”.
- **1994-1995:** Contribution to the Project [GLOMAC](#), “Global Modelling of Atmospheric Chemistry”.
- **1994-1995:** Diploma-Thesis: “[Kombination von Ensemble-Klimavorhersagen am Beispiel ENSO](#)”, Max Planck Institute for Meteorology, Hamburg; Supervisors: Prof. Dr. H. Graßl, Prof. Ph.D. D. Fay, Prof. Dr. M. Latif.