

Open positions for the Marie Skłodowska-Curie fellows at the Center for Atmospheric Research

The Center for Atmospheric Research conducts research in aerosol physics and chemistry in the context of climate change and air quality on the global, regional and local scales. We apply in-situ and remote measurements to study the effects aerosols exert on the climate. An important part of the activities are airborne measurements with (ultra) light aircrafts, and source apportionment of air pollution. We are specialized in measurements of aerosol absorption.

Topic: measuring the role of absorbing aerosols in the climate

The extent of the effects that light-absorbing aerosols exert on the climate is associated with a large uncertainty, which can be reduced only through measurements. We have conducted 6 global campaigns and are planning additional 3, with measurements of aerosol absorption, and (in some campaigns also) size distribution and scattering. The project will focus on the separation of the contributions to the atmospheric heating rate of fine and coarse aerosols and the quantification of both. Work will include data processing from previous campaigns, and planning and execution of new ones (Cape Verde, Himalaya, pole-to-pole flight).

Scientific requirements:

Ph.D. in atmospheric physics or chemistry. The candidate should have experience with data processing from ambient campaigns and/or laboratory/chamber experiments. Background in measurement of aerosol optical properties is a plus.

Contact person

Assist. Prof. Griša Močnik (grisa.mocnik@ung.si).