

Dr. Gian Paolo Gobbi

Physicist, Director of Research at the Rome branch of the Institute of Atmospheric Sciences and Climate (ISAC) of the Italian National Research Council (CNR).

Field of Expertise: Aerosol remote-sensing, design and operation of lidar (laser radar) systems, ground-based and satellite photometry, modelling of aerosol and cloud physical properties, evaluation of aerosol impacts on climate and the environment.

Research experience:

Since 1976 has implemented Doppler (wind), Rayleigh (temperature), and several Mie (aerosol) lidars. These systems have been operated in Italy, Europe and Antarctica. In 1999 established the mobile lidar laboratory VELIS (Vehicle-mounted Lidar System) for the field observation of aerosol-related parameters. Starting in 2001, established an aerosol monitoring station at ISAC Rome (AEROLAB) exploiting a polarization lidar, sunphotometer and satellite observations. In 2010 AEROLAB was extended to in situ aerosol observations (nephelometer, optical particle counter, absorption photometer, gas analyser). Is PI of two AERONET (Aerosol Robotic Network) stations (<http://aeronet.gsfc.nasa.gov>): Rome Tor Vergata (since 2001) and EvK2-CNR (Himalaya, Nepal, since 2006). Participated in international (EU, CNRS, NASA, UK Met Office, ESA), and national (ASI, PNRA, MIUR, INGV) research projects. Since 2011 is coordinator of the EC LIFE+ Project DIAPASON (www.diapason-life.eu). Coordinator of the CNR-ISAC Rome Atmospheric Supersite since November 2012. Has been Responsible of the ISAC-CNR Rome Section from January 2013 until January 2014. Since December 2013, is member of the Managing Committee of the COST action ES1303 "TOPROF" (http://www.cost.eu/domains_actions/essem/Actions/ES1303?management).

