

17/9/2018

To: Dr. Peter Bauer
Deputy Director
Research Department
European Centre for Medium-Range Weather Forecasts
Shinfield Park, Reading RG2 9AX, UK

Dear Dr. Bauer,

ECMWF has been entrusted by the European Commission to implement the Copernicus Atmosphere Monitoring Service (CAMS)

The Copernicus Atmosphere Monitoring Service provides daily air quality forecasts at the global scale and, with higher resolution, over Europe. These forecasts account for routine pollutants emissions but include also information on exceptional events such as large wildfires or volcanic eruptions. These forecasts are used daily by a wide range of public and commercial users who use information for decision-making, smartphone applications and websites or for downscaling to local areas in order to inform the public or assess health impacts. CAMS services are currently reaching millions of citizens in Europe and worldwide.

CAMS strongly rely on weather forecast models to deliver its products and services to its users, such as global and regional air quality and pollen forecasts and reanalysis, UV and radiation forecasts, aerosols, and greenhouse gases. Reducing systematic biases in current weather models and improving its physics of current models will bring very important improvements to the quality of our products and its value to our users. Improving the spatial resolution of the models down to the km-scale will bring a whole new dimension to the CAMS services as the current downscaling statistical techniques are often inadequate, and constrain the uptake of the CAMS products at local or individual citizen level

Yours sincerely

ECMWF Shinfield Park, Reading RG2 9AX, UK
Tel: +44 (0) 118 949 9000 | Fax: +44 (0) 118 986 9450 | Email: first.initial.surname@ecmwf.int
atmosphere.copernicus.eu | copernicus.eu | ecmwf.int

A handwritten signature in black ink, appearing to read "J. Garces de Marcilla".

Juan Garces de Marcilla
Director of Copernicus Services
European Centre for Medium-Range Weather Forecasts (ECMWF)

ECMWF Shinfield Park, Reading RG2 9AX, UK
Tel: +44 (0) 118 949 9000 | Fax: +44 (0) 118 986 9450 | Email: first.initial.surname@ecmwf.int
atmosphere.copernicus.eu | copernicus.eu | ecmwf.int