**UNITED STATES DEPARTMENT OF COMMERCE**

**National Oceanic and Atmospheric Administration**

National Weather Service

National Centers for Environmental Prediction Environmental Modeling Center

5830 University Research Ct, College Park, MD 20740

MEMORANDUM FOR: THROUGH:

FROM:

Kenneth Harding

Chief Operating Officer, National Weather Service (NWS)

Michael R. Farrar

Director, National Centers for Environmental Prediction (NCEP)

Ivanka Stajner

Acting Director, Environmental Modeling Center (EMC)

SUBJECT: Foreign Travel for Jianping Huang to the 40th International

Technical Meeting on Air Pollution Modeling and Its Application

October 14-18, 2024, Copenhagen, Denmark.

Jianping Huang will attend the 40th International Technique Meeting on Air Pollution Modeling and Its Application, October 14 to 18, 2024. Dr. Huang will present the AQM team’s work titled *Development and application of air quality and atmospheric composition online prediction systems within the Unified Forecast System (UFS) framework* at the conference.

The following goals will be addressed (list 3-4 objectives of what NOAA gains from traveler’s

attendance, linkage to bilateral agreements and/or WMO Programs):

1. **Showcase NOAA EMC’s UFS-AQM Online Prediction System**

Present the latest advancements, progress, and plans of NOAA's Environmental Modeling Center (EMC) in the development of the air-quality prediction system.

2. **Engage with Operational Meteorological Centers**

Communicate with representatives from research community and other operational

environmental prediction centers to learn about their advanced techniques and findings that enhance model performance of wildfire predictions and their impact on ozone and fine particulate matter forecasts.

3.**Incorporate Leading Research into Model Development**

Gain access to the latest findings, methodologies, and innovations in model development from leading research, and better understand the sources of anthropogenic emissions and other natural sources such as dust storms and wildfires predictability to benefit the development of the air quality forecast system in EMC.

Other NOAA/NWS participants: N/A

Jianping Huang has an official passport and a visa is not required. Jianping Huang will not be taking any personal time while in Copenhagen, Denmark. EMC base funds will pay for this travel. This foreign travel package was submitted to W/IA within the required time frame. Simultaneously, these orders are being submitted for COO signature. All NTR have been met.

[Traveler Name] has an official passport and a visa required. [ Traveler Name ]

[is/is not]

[ will/ will not ] be taking any personal time while in [ Location Name ] . EMC base funds will pay for this travel. This foreign travel package was submitted to W/IA within the required time frame. Simultaneously, these orders are being submitted for COO signature. All NTR have been met.

