



## WMO OMM

World Meteorological Organization  
Organisation météorologique mondiale  
Organización Meteorológica Mundial  
Всемирная метеорологическая организация  
المنظمة العالمية للأرصاد الجوية  
世界气象组织

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10 April 2024

Annexes: 2

Subject: Invitation to attend the 8<sup>th</sup> WMO Workshop on the Impact of Various Observing Systems on Numerical Weather Prediction (NWP) and Earth System Prediction (ESP)

Dear Sir/Madam,

I would like to inform you that the 8<sup>th</sup> WMO Workshop on the Impact of Various Observing Systems on Numerical Weather Prediction (NWP) and Earth System Prediction (ESP) will be held in Norrköping, Sweden from 27 to 30 May 2024. Additional details regarding this event can be found in the attached Concept Note (Annex I). A list of authors who have requested an invitation letter can be found in Annex II.

I have pleasure in inviting you to participate in this event.

Please be informed that this invitation letter does not imply any financial obligations from WMO.

I hope that the experience gained at this event could be of benefit to you and your colleagues and I look forward to your successful participation in it.

Yours faithfully,

Mr Nir Stav  
Director  
Infrastructure Department

To: Invited experts to the 8<sup>th</sup> WMO Workshop on the Impact of Various Observing Systems on Numerical Weather Prediction (NWP) and Earth System Prediction (ESP)

**Concept Note**

**8<sup>th</sup> WMO Workshop on the Impact of Various Observing Systems on Numerical Weather Prediction (NWP) and Earth System Prediction (ESP)**

**Norrköping, Sweden, 27 to 30 May 2024**

Ref.: 05311/2024.1.7/WIGOS

WMO will be hosting the 8th WMO Workshop on the Impact of Various Observing Systems on Numerical Weather Prediction (NWP) and Earth System Prediction (ESP) in the headquarters of the Swedish Meteorological and Hydrological Institute (SMHI) in Norrköping, Sweden, from 27 to 30 May 2024 daily from 0900 to 1745 CEST (0700 to 1545 UTC).

The workshop will be conducted in a hybrid format, in English only.

The main objective of the workshop is to assess the impacts of various observing systems in all Earth system domains on NWP and extend the scope to also encompass the impact assessment of the various observing systems, to other Earth system applications. This is done in order to achieve a comprehensive understanding of the value of the observations and to support the strategic goals of WMO. Conclusions from the workshop will provide guidance on how to optimize the use of the current global observing system as well as help guide its future evolution. Additional information about the event is available on the workshop website at: <https://community.wmo.int/en/meetings/8th-wmo-impact-workshop-home>.

## List of authors who have requested an invitation letter

8<sup>th</sup> WMO Workshop on the Impact of Various Observing Systems on Numerical Weather Prediction (NWP) and Earth System Prediction (ESP)

Norrköping, Sweden, 27 to 30 May 2024

| Name                                | Organization/Service   | Country  |
|-------------------------------------|--|--|
| Dr Samy Rateb                       | Egyptian Meteorological Authority  | Egypt  |
| Mr Khafid Rizki Pratama             | Indonesia Agency for Meteorology Climatology and Geophysics (BMKG)                         | Indonesia  |
| Mr Azad Singh Rajpoot               | National Centre for Medium Range Weather Forecasting                                       | India  |
| Dr Maria Eugenia Dillon             | CONICET and National Meteorological Service of Argentina                                   | Argentina  |
| Ms Hui-nae Kwon                     | Korea Institute of Atmospheric Prediction Systems  | Republic of Korea                                    |
| Dr Durgesh Nandan Piyush            | National Centre for Medium Range Weather Forecasting                                       | India  |
| Mr Ajay Bankar                      | India Meteorological Department  | India  |
| Dr Stephan Dietrich                 | Federal Institute of Hydrology, International Centre for Water Resources and Global Change | Germany  |
| Mr Ranjitkumar Solanki              | Sardar Vallabhbhai National Institute of Technology  | India  |
| Dr Neeti Singh Ramesh Chandra Singh | India Meteorological Department  | India  |
| Ms Meenakshi Shenoy                 | National Centre for Medium Range Weather Forecasting                                       | India  |
| Dr Ashish Routray                   | National Centre for Medium Range Weather Forecasting (NCMRWF)                              | India  |
| Dr Sujata Pattanayak                | National Centre for Medium Range Weather Forecasting                                       | India  |
| Dr Sayantika Mukherjee              | Amity University Kolkata   | India  |
| Prof. Jianxia Guo                   | Meteorological Observation Center of CMA   | China  |
| Dr Isaac Moradi                     | University of Maryland   | United States of America                             |
| Ms Martha Nakwanwagi                | Appropriate Community Development Agriculture Initiatives (ACDAI)                          | Uganda   |
| Mr Birhan Gessese Gobie             | Wollo University   | Ethiopia   |
| Dr Furqon Alfahmi                   | Indonesian Agency for Meteorology Climatology and Geophysics (BMKG)                        | Indonesia  |
| Dr Upal Saha                        | National Centre for Medium Range Weather Forecasting (NCMRWF)                              | India  |
| Dr Irfan Azeem                      | National Oceanic and Atmospheric Administration  | United States of America                             |
| Dr Patricia de Rosnay               | ECMWF  | United Kingdom of Great Britain and Northern Ireland |
| Dr Wei Han                          | CMA Earth System Modelling and Prediction Centre   | China  |
| Dr Satya Kalluri                    | NOAA/NESDIS/LEO  | United States of America                             |
| Dr Yosuke Fujii                     | JMA/MRI  | Japan  |

|                                  |   |                          |
|----------------------------------|---|--------------------------|
| Dr Paula Maldonado               | National Weather Service (Argentina)  | Argentina                |
| Dr Polina Verezemskaya           | MAST, University of Liege   | Belgium                  |
| Mr Peter Teye Busumprah          | Ministry of fisheries and Aquaculture Development   | Ghana                    |
| Dr B R R Hari Prasad Kottu Kottu | National Centre for Medium Range Weather Forecasting (NCMRWF)                             | India                    |
| Mr Anowar Hossen                 | Bangladesh Meteorological Department  | Bangladesh               |
| Dr Sridevi Chollangi             | National Center for Medium Range Weather Forecasting                                      | India                    |
| Dr Srinivas Desamsetti           | National Centre for Medium Range Weather Forecasting (NCMRWF)                             | India                    |
| Mr Syed Ahsan Ali Bokhari        | Pakistan Meteorological Department  | Pakistan                 |
| Dr Dineshkumar Kevalji Sankhala  | National Centre for Medium Range Weather Forecasting (NCMRWF)                             | India                    |
| Dr Min Chu                       | CMA Earth System Modelling and Prediction Center (CEMC)                                   | China                    |
| Dr Kozo Okamoto                  | JMA/MRI   | Japan                    |
| Dr Neeti Singh                   | India Meteorological Department   | India                    |
| Dr Ramarao M.V.S                 | National Centre for Medium Range Weather Forecasting                                      | India                    |
| Mr Midhun K Gopakumar            | Central University of Rajasthan   | India                    |
| Prof. Narayan Prasad Gautam      | Tribhuvan University  | Nepal                    |
| Mr Yukinari Ota                  | Japan Meteorological Agency   | Japan                    |
| Ms Jia Wang                      | MOC of CMA  | China                    |
| Prof. Yingying Chen              | Institute of Tibetan Plateau Research Chinese Academy of Sciences                         | China                    |
| Dr Haidao Lin                    | NOAA/OAR/GSL  | United States of America |
| Dr Chris Tingwell                | Bureau of Meteorology   | Australia                |
| Mrs Arpita Rastogi               | India Meteorological Department   | India                    |
| Dr Min-Seong Kim                 | National Institute of Meteorological Science  | Republic of Korea        |
| Mr Avinash Parde                 | Indian Institute of Tropical Meteorology  | India                    |
| Dr Seung-beom Han                | National Institute of Meteorological Sciences/KMA   | Republic of Korea        |
| Mr Faqih Musyaffa                | The Agency for Meteorology Climatology and Geophysics of the Republic of Indonesia (BMKG) | Indonesia                |
| Dr Jincheng Wang                 | CMA Center for Earth System Modelling and Prediction                                      | China                    |
| Dr Fabio Luiz Rodrigues Diniz    | UCAR/UCP/EODS - Joint Center for Satellite Data Assimilation                              | United States of America |
| Dr Paolo Ruti                    | EUMETSAT  | Germany                  |
| Ms Jiaqi Kang                    | Meteorological Observation Centre of China Meteorological Administration                  | China                    |
| Ms Smrati Purwar                 | CSIR Fourth Paradigm Institute  | India                    |