

**WMO OMM**

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
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Subject: WMO Publication: *Guidelines on High-resolution Numerical Weather Prediction*
(WMO-No. 1311)

Dear Sir/Madam,

I am very pleased to advise that the publication, *Guidelines on High-resolution Numerical Weather Prediction* (WMO-No. 1311), is now available in the WMO library.

The World Meteorological Organization Unified Policy for the International Exchange of Earth System Data ([Resolution 1 \(Cg-Ext\(2021\)\)](#)), approved by the World Meteorological Congress at its extraordinary session in 2021, recognizes Members' requirements for access to high-quality Numerical Weather Prediction (NWP) data. The guidelines have been developed by the Standing Committee on Data Processing for Applied Earth System Modelling and Prediction (SC-ESMP) of the Commission for Observation, Infrastructure and Information Systems (INFCOM). The guidelines respond to the strongly voiced requirement from National Meteorological and Hydrological Services (NMHSs) of all Members to be able to utilize high-quality forecast information in support of their capacity to issue forecast and warning services to protect the lives and livelihoods of citizens.

These guidelines aim to support all NMHSs, regardless of resourcing levels, in gaining access to high-resolution NWP data, and to enable NMHSs to use these data to improve their forecast and warning services. The guidelines, based on well-established practices, propose a framework for NMHSs to access each of the six increasingly refined levels of NWP, from the use of NWP data from World Meteorological Centres to the implementation of advanced regional NWP systems.

It is hoped that this publication will be very useful to the NMHSs in developing strategies for accessing and using high-resolution NWP as well as for implementing operational NWP services. I encourage you to share the guidelines among interested and relevant staff from your Service and promote the wide usage of the guidelines.

I would also like to take this opportunity to express my sincere gratitude to you and your Service for your continued support to the WMO Integrated Processing and Prediction System (WIPPS) which was previously known as the Global Data-processing and Forecasting System (GDPFS).

Yours faithfully,

Dr Wenjian Zhang
for the Secretary-General

To: Permanent Representatives of Members with WMO

cc: Hydrological Advisers