



Advances in Meteorology

Special Issue on
**Verification of Hazardous Weather Events in
Meteorological Models**

CALL FOR PAPERS

In recent decades numerical weather prediction models (NWP) have been subject to accelerating development, particularly due to enhanced computational capacity, the availability of open source models, and freely available global forcing data. Most nations' weather services worldwide now use NWP in their daily forecasts, and the information to the public concerning hazardous weather events has been much improved. However, in many regions there are still no systematic platforms for verification of weather predictions, and perhaps only selected events are analyzed. Systematic and routine verification is important to document the added value from regional models (in comparison to global products) and to quantify improvement of the forecast over time for stakeholders and the public. This will improve the reputation of national weather services, particularly in developing countries.

In this special issue we encourage the submission of articles related to NWP and hazardous weather prediction, including storm surge and sea state and routine verification.

Potential topics include, but are not limited to:

- ▶ Extreme precipitation prediction and verification
- ▶ Convective cells formation prediction and detection
- ▶ Storm surge predictions and measurements
- ▶ Measurements and prediction of ocean surface waves during strong winds
- ▶ Use of remote sensing for verification (both satellite and ground based remote sensing)
- ▶ Improved or novel verification techniques
- ▶ The problem of point to pixel comparison in areas of sparse observations
- ▶ Evaluation of model performance and skill scores using observations

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/amete/vmm/>.

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