

Dear Colleagues,

This is a Call for Contributions to the WMO/WCRP/WGNE publication

**Research Activities in Earth System Modelling
(2024 WGNE Blue Book)**

More information about this annual publication can be found at

<https://wgne.net/publications/wgne-blue-book/>

Contributions are requested under the following topics:

1. Development and studies of coupled models and Earth System Models
2. Global and regional climate models: response to forcing, impact studies, subseasonal and seasonal forecasting
3. Advances in forecast / NWP models: case studies, predictability, ensembles
4. Parameterization of physical processes in Earth System Models or their components
5. Forecast verification: novel methodologies to diagnose and measure systematic errors
6. Uncoupled and coupled data assimilation for integrated earth system analysis and prediction; methodology and data impact sensitivity studies
7. Developments in ocean, sea-ice, and wave modeling
8. Reanalysis datasets and statistical post-processing
9. Numerical/computational techniques and model resolution, physics-dynamics and physics-physics cross-component coupling
10. Machine learning and AI in weather prediction and climate modeling

The deadline to send your contribution is 30 September, 2024.

Format

The contributions are requested as PDF files with a maximum length of two pages (including references and any diagram, figures, or tables). Please use the linked [doc](#) or [LaTeX](#) templates to prepare your submission.

Submissions can be made at this link, using username and password 'science'.

https://wgne.net/bluebook/add_article.php

Please forward this call to anyone who might be interested in contributing to the 2024 WGNE Blue book. Note that this is not a peer-reviewed publication. However, submissions not fitting the topics may be rejected. For further information, please contact [Dr. Bimochan Niraula](#) or the [ESMO IPO](#).