MPAS
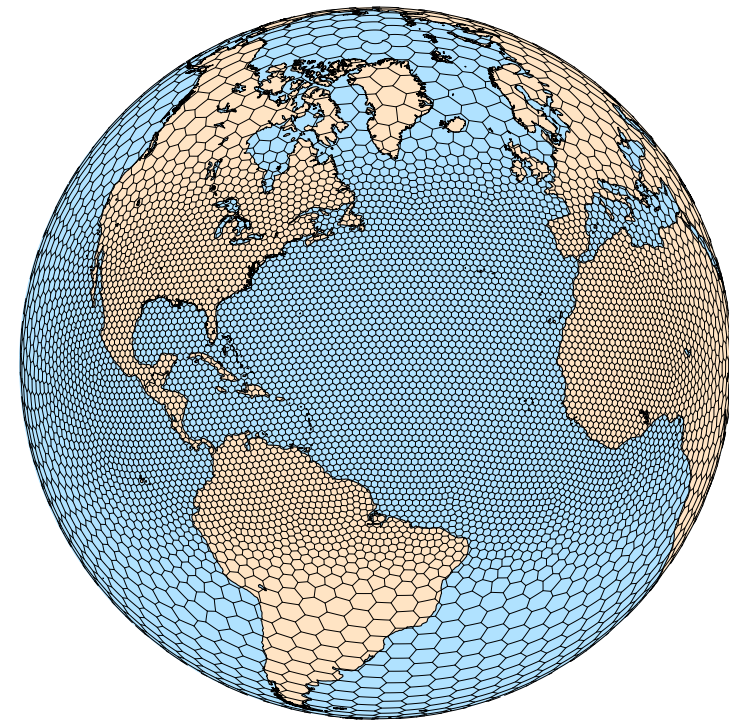## Model for Prediction Across Scales

- Overview
- Meshes
- Atmospheric solver, physics
- Compiling and running MPAS
- *Summary*
- Practical session

MPAS release is available at http://mpas-dev.github.io/

MPAS Atmosphere Public Releases

Overview

MPAS-Atmosphere
MPAS-Land Ice
MPAS-Ocean
Data Assimilation
Publications
Presentations

Download

MPAS-Atmosphere download
MPAS-Land Ice download
MPAS-Ocean download

Resources

License Information
Wiki
Bug Tracker
Mailing Lists
MPAS Developers Guide

MPAS Atmosphere 4.0 was released on 22 May 2015.

Any questions related to building and running MPAS-Atmosphere should be directed to the MPAS-Atmosphere Help forum. Posting to the forum requires a free google account. Alternatively, questions may be sent from any e-mail address to "mpas-atmosphere-help AT googlegroups.com". Please note that in either case, questions and their answers will appear on the online forum.

MPAS Atmosphere 4.0 release notes

MPAS source code download

MPAS-Atmosphere Users' Guide

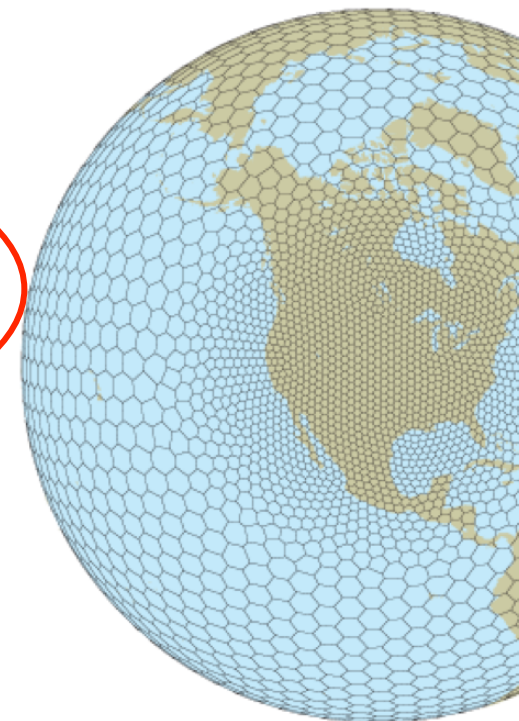MPAS-Atmosphere tutorial presentations

MPAS-Atmosphere meshes

Configurations for idealized test cases

Sample input files for real-data simulations

Visualization and analysis tools

A variable resolution MPAS Voro

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Groups

▼ Favorites

Click on a group's star icon to add it to your favorites

MPAS-Atmosphere Help   Shared publicly

☆

Welcome to the MPAS-Atmosphere Help forum. Users of MPAS-Atmosphere may post questions here to receive answers from MPAS-Atmosphere developers. More information on MPAS-Atmosphere, including documentation and code, can be obtained through the MPAS web page: http://mpas-dev.github.io/.

▼ **Discussion categories**

Compilation
Questions related to downloading and compiling MPAS-Atmosphere.

Running
General questions about running MPAS-Atmosphere, or about issues encountered while trying to run the MPAS-Atmosphere model.

Science
Questions related to MPAS-Atmosphere dynamics, numerics, and physics.

Post-processing
Questions, issues, or suggestions related to post-processing of model output.

Bugs
Reports of suspected bugs in MPAS-Atmosphere. Suggestions for improvements to MPAS-Atmosphere may also be posted here.

‹ Users Mailing Lists

douglasjacobsen edited this page on Jul 8, 2013 · 7 revisions

This wiki page provides information for subscribing to the MPAS User's mailing lists. Each core maintains it's own mailing list, and users should subscribe to the mailing lists for cores they are interested in. There is no general MPAS mailing list for users.

MPAS User's Mailing List

The MPAS-User's mailing list is hosted at google groups. It can be found here.

In order to subscribe via the mailing list's website, a google account is required. Google accounts can be created with any email address (they don't need to be google email addresses). However, if you are not interested in creating a google account to subscribe, you can also send an email to mpas-users+subscribe@googlegroups.com from your email address of choice.

This mailing list can be used to discuss topics related to the shared parts of MPAS.

Atmosphere User's Mailing List

The MPAS-Atmosphere user's mailing list is hosted at google groups. It can be found here.

In order to subscribe via the mailing list's website, a google account is required. Google accounts can be created with any email address (they don't need to be google email addresses). However, if you are not interested in creating a google account to subscribe, you can also send an email to mpas-atmosphere-users+subscribe@googlegroups.com from your email address of choice.

Ocean User's Mailing List

▼ **Pages** 5

Home

Keeping your fork in sync

Typical project workflow and setup

Useful Git Aliases

Users Mailing Lists

Clone this wiki locally

https://github.com/MPAS-Dev/

⌸ **Clone in Desktop**

MPAS scientific capabilities development:

- Port of GFS physics to MPAS. Release?
- Port of MPAS-A, MPAS-O to the Community Earth System Model (CESM).
  (coupled model applications, regional climate, NWP?)
- MPAS implementation in the Data Assimilation Research Testbed (DART).
  (Ensemble Kalman Filter Data assimilation) – released.
- MPAS implementation for the NCEP-GSI (3DVar DA) NOAA/GSD.
  (testing underway).
- MPAS-Chem, preliminary GOCART implementation is underway.
  (many groups outside NCAR, much still in planning phase).
- Scale-aware physics development for MPAS-A (many efforts outside NCAR).

We are focusing on (and support) a small number of physics suites.
We will support a small number of chemistry options.
We will support a small number of data assimilation options.

MPAS software engineering development:

- Threading using OpenMP – release sometime later in 2016.
- Optimizations: Vectorization, etc – release sometime later in 2016.
- MPAS-A in CESM – testing to begin for coupled applications; release?
- MPAS implementation for the NCEP-GSI (3DVar DA) NOAA/GSD – release?
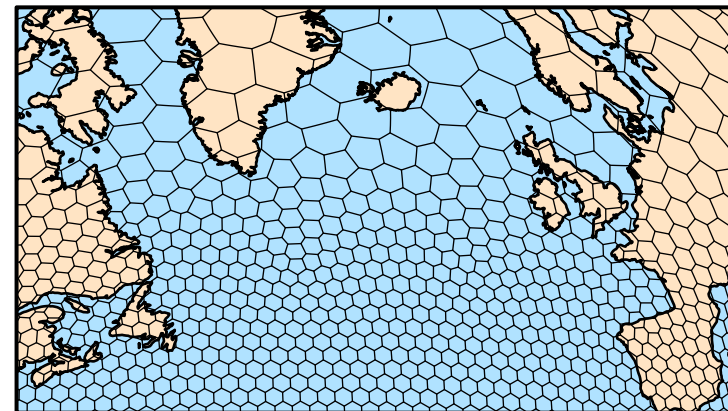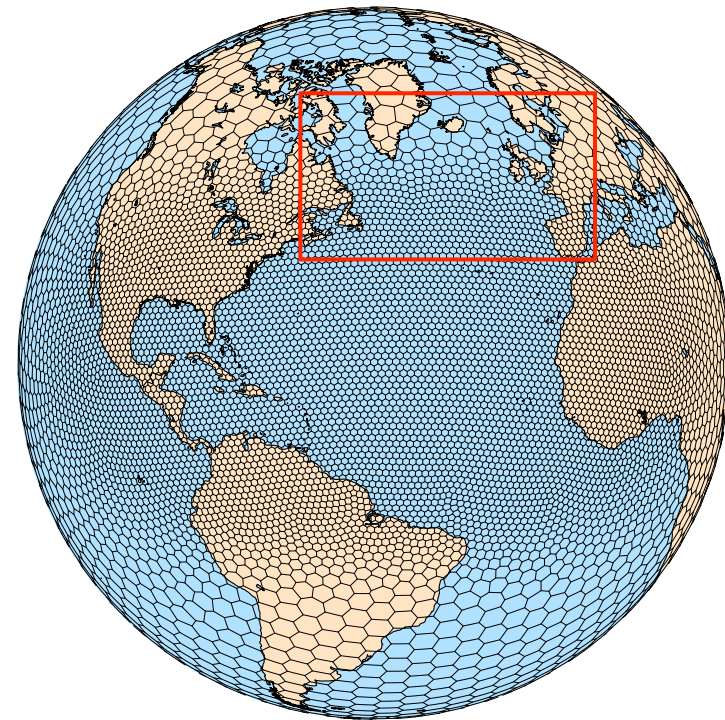- MPAS-Chem release?

Model coupling: CESM, CIME?

MPAS V4.0 release

is available at

http://mpas-dev.github.io/