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Removal of Content Advisory - April 2024

Advisory to Gridpoint Statistical Interpolation (GSI) users: As of the beginning of April 2024, all support assets for Gridpoint Statistical Interpolation (GSI) will be removed from the DTC website. Users should download all reference materials of interest prior to April 2024.

COMMUNITY GSI VERSION 3.7 AND ENKF VERSION 1.3

RELEASE DATE: 2018-11-06

GSIv3.7 EnKFv1.3 tar.gz (https://dtcenter.org/sites/default/files/comGSIv3.7_EnKFv1.3.tar.gz)	CRTM_v2.3.0.tar.gz (/dfiles/code/gsi/CRTM_v2.3.0.tar.gz) v1.3 (https://dtcenter.org/sites/default/files/comGSIv3.7_EnKFv1.3/CRTM_v2.3.0.tar.gz)	ENKF User's Guide v1.3 (https://dtcenter.org/sites/default/files/comGSIv3.7_EnKFv1.3/ENKF_User_Guide_v1.3.pdf)
GSIv3.7 EnKFv1.3 fix_global.tar.gz (/sites/default/files/comGSIv3.7_EnKFv1.3/fix_global.tar.gz)	GSI Docker Container (https://dtcenter.org/sites/default/files/comGSIv3.7_EnKFv1.3/gsi_docker.tar.gz)	GSI User's Guide v3.7 (https://dtcenter.org/sites/default/files/comGSIv3.7_EnKFv1.3/GSI_User_Guide_v3.7.pdf)

The Community GSI Version 3.7 and EnKF Version 1.3 was released on November 6, 2018.

Release Notes

GSI/EnKF Code

- This version of GSI/EnKF is based on the ProdGSI commit c1a1cbee on November 7th, 2018. Updated on Dec. 3rd, 2018 based on commit cf7fbed8. This version is the first release under the unified ProdGSI code repository. It has the following significant updates comparing to previous releases:
 - Use the CMake system to build GSI/EnKF. Read [README.comgsi \(/sites/default/files/community-code/gsi/release-notes/README.comgsi\)](https://dtcenter.org/sites/default/files/community-code/gsi/release-notes/README.comgsi) in the release tarball for a brief view how it works
 - WRF I/O interface is now self-included in this release. No need to build the WRF package before building GSI/EnKF.
 - All community running scripts, namelists are now located under the ./ush directory. Previous ./dtk directory is removed.
 - Update CRTM library and coefficients to version 2.3.0
 - Add capability to read NEMSIO ensemble files in parallel

- A GSI docker container is available for community users to get hands-on experiences on building/running GSI/EnKF. Check [README.GSI_Docker \(/sites/default/files/community-code/gsi/release-notes/README.GSI_Docker\)](/sites/default/files/community-code/gsi/release-notes/README.GSI_Docker) in the release tarball for a brief view how to utilize this docker container.

Tests

The comGSIV3.7_EnKFv1.3 has been successfully tested with the following compiler versions

FOR PGI COMPILER

- PGI pgf90 versions: 18.5, 18.3, 18.1, 17.10, 17.9, 17.7, 17.1, 16.10, 16.9, 16.7, 16.5

FOR INTEL COMPILER

- Intel ifort versions: 18.1.163, 18.0.3.222, 18.0.1.163, 18.0.1, 18.0.0.128, 17.0.5.239, 17.0.1, 16.1.150, 16.0.3, 16.0.1, 16.0.1.150, 15.6.233, 15.3.187, 15.1.133, 15.0.3.187, 14.0.2

FOR GNU COMPILER

- Gfortran versions: 8.1.0, 7.3.0, 7.1.0, 6.3.0

On-Line Tutorials

- [GSI Check \(https://dtcenter.org/com-GSI/users/tutorial/index.php\)](https://dtcenter.org/com-GSI/users/tutorial/index.php)
- [EnKF Check \(/community-code/ensemble-kalman-filter-system-enkf/community-enkf-v1-3-online-tutorial\)](/community-code/ensemble-kalman-filter-system-enkf/community-enkf-v1-3-online-tutorial)

Known Issues And Fixes

No known issues at this point.

GRIDPOINT STATISTICAL INTERPOLATION (GSI)

[Home \(/Community-Code/Gridpoint-Statistical-Interpolation-Gsi\)](/Community-Code/Gridpoint-Statistical-Interpolation-Gsi)

LATEST RELEASE

Community GSI Version 3.7 and EnKF Version 1.3

Released: 2018-11-06 (</community-code/gridpoint-statistical-interpolation-gsi/community-gsi-version-3-7-enkf-version-1-3>)

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