

NOUS41 KWBC 061120
PNSWSH

Public Information Statement PNS20-19
NOAA's National Ocean Service Headquarters Silver Spring MD
Relayed by NWS Silver Spring MD
720 AM Tue EDT Mon Apr 6 2020

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
 Other NWS Partners and NWS Employees

From: Edward Myers
 Chief, Coastal Marine Modeling Branch
 NOS/Coast Survey Development Laboratory

Subject: Soliciting Public Comments on the Proposed Upgrade of
 the ESTOFS Global Extratropical Surge and Tide
 operational model July 7, 2020

The Coast Survey Development Laboratory (CSDL) is proposing to upgrade the Extratropical Surge and Tide Operational Forecast System (ESTOFS) in the fall of 2020. CSDL is seeking comments on this proposed change through July 2, 2020. The full list of potential changes for ESTOFS is described here:

https://polar.ncep.noaa.gov/estofs/docs/GESTOFS_upgrade.pdf

It is expected that the new upgrade will replace and retire all three current operational ESTOFS models: ESTOFS-Atlantic, ESTOFS-Pacific, and ESTOFS-Micronesia. The new Global ESTOFS (G-ESTOFS) will provide global coverage that will extend model coverage of the existing ESTOFS models.

Expected benefits from this upgrade include:

- Improved spatial resolution in U.S. waters
- Unification of ESTOFS modeling infrastructure
- Reduction of bias and errors due to removal of the open ocean boundary

- Inclusion of internal tides
- Self-attraction and loading
- Sea-ice effect on wind drag coefficient
- Potential implementation of dynamic water level bias correction. For verification statistics for G-ESTOFS see:
<https://polar.ncep.noaa.gov/estofs/glo.htm>

CSDL will evaluate all comments to determine whether to proceed with this upgrade.

Send comments on this proposal for G-ESTOFS by July 2, 2020, to:

Sergey Vinogradov
Sergey.Vinogradov@noaa.gov

or

Edward Myers
Edward.Myers@noaa.gov

National Public Information Statements are online at:
<https://www.weather.gov/notification/>

NNNN