

FV3GFS Model Development and Code Management Proposal

FV3GFS Superstructure SVN Repository

<https://svnmc.ncep.noaa.gov/projects/fv3gfs/>



The model codes are separated into a new repository (see next slide)

NEMS/FV3GFS Model Only SVN Repository

<https://svnemc.ncep.noaa.gov/projects/fv3/>

- NEMS FV3 CAP
- FV3 Dynamic Core and Physics (Phase 2 + Bug Fixes)
- IPD V1.0
- Development of Write Grid Component for FV3

- Will separate Physics from Dynamics using IPD V3.0 once it becomes available

Proposal for Code Management Procedures

<https://svnemc.ncep.noaa.gov/trac/fv3/>
<https://svnemc.ncep.noaa.gov/trac/fv3gfs/>

- NEMS FV3 and FV3GFS trac ticketing available now
 - 1) proposal of changes, including expected code and science impacts submitted by the developer
 - 2) review committee evaluates proposal and provides feedback
 - 3) if okayed, branch is created and software work completed
 - 4) run regression tests in the branch to evaluate impacts on science and computational performance
 - 5) evidence-based review of science impacts before final code review
 - 6) code review done by code manager and committee
 - 7) main trunk development merged into the branch
 - 8) re-run regression tests to ensure science and computational assessments are still valid
 - 9) merge request for inclusion in main trunk