

# FV3GFS Model Development and Code Management Proposal

# FV3GFS Superstructure SVN Repository

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

[/bin/](#)  
[exp/](#)  
[exp\\_fv3gfs/](#)  
[jobs/](#)  
[scripts/](#)  
[ush/](#)  
[util/](#)



/fv3gfs/trunk

[gfs\\_workflow.v15.0.0/](#)

[global\\_shared.v15.0.0/](#)

[gdas.v15.0.0/](#)

[gfs.v15.0.0/](#)

[lib/](#)



[docs/](#)  
[exec/](#)  
[fix/](#)  
[modulefiles/](#)  
[parm/](#)  
[scripts/](#)  
[sorc/](#)  
[ush/](#)

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