



Global Interoperability Program

Increasing Usability and Documentation of NCEP Forecast Models

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NCEP will use funds from this program to help to make its environmental modeling system more user friendly both within and external to NCEP. Increasing the usability of this code is important because it will enable the research community and others to run and evaluate the code, encouraging a flow of interactions and communications. Access to the operational model is valuable in its own right for research and applications. Further, increased interactions can bring more expertise and resources to bear on the operational system, and help to improve its forecast skill.

The work to be done by a staff person at NCEP is as follows:

1. Learn to run NEMS regression tests.
2. Help to maintain NEMS regression tests.
3. Help to create a user guide for using NEMS.
4. Help to create sustainable code documentation for NEMS.
5. Maintain an FAQ of the system.
6. Manage a helpdesk for NEMS, with a searchable ticket system.
7. Keep contact with NEMS developers.

The first months will be taken in learning the system. Then a user guide should be developed showing how to run the system, how the various components fit together, how to add a component, what standards are used, etc. In the second year, development of further documentation and a helpdesk functionality will be added.