

Summary of the ESMF Change Review Board Meeting on February 23, 2009.

Attendance:

Robert Ferraro/JPL, Cecelia Deluce/NCAR, Atanas Trayanov/NASA GSFC, Alan Wallcraft/NRL SSC, Tom Black/NOAA, Mariana Verstenstein/NCAR

Agenda

The CRB covered the following topics during its meeting:

Development status review (v4.0.0)
Review and amend current schedule

A synopsis of the discussion and decisions from the meeting is presented below. It is organized by agenda item. These notes attempt to capture the high points of the discussions, and any decisions that resulted.

Development Status Review (Cecelia Deluca)

The internal release ESMF v4.0.0 is still in progress, with an anticipated release date of Mar 2009. Conservative 1st order regridding in 2D has turned out to be more difficult than anticipated, and coupled with oversubscription of the developer, is not at a point where release makes sense. Similarly, little progress has been made on a cubed sphere grid, which is the design case for multi-tile grid capability. The CRB was not aware of any major ESMF users who were being impacted by the lack of either capability. A poll of the CRB members found that delaying the v4.0.0 release to wait for these capabilities did not make sense.

UCAR has an issue with the Fedora license requirements. Until this is resolved, inclusion of the Fedora Core implementation must be deferred. The ESMF team will report back on this item at the next CRB meeting.

User-method callbacks and the Land-Sea masks will be completed and included in the upcoming release. Due to a specific sponsor request, a port of ESMF to Microsoft Windows has been completed, and will be included in the v4.0.0 release.

Review and amend current schedule

The Internal Release v4.0.0 is now expected by the end of Mar 2009. In order to provide adequate beta testing time, the Public Release v4.0.0r is delayed to Jun 2009.

The CRB reviewed the current development priorities in light of the project commitment to a backwards compatible API by release V5.0.0r. The remaining top development priorities are:

- Multi-tile grids
- Exchange grid
- Conservative Regrid
- An integrated I/O capability
- An ESMF component compliance tester

Based on developer assignments and workload and the unanticipated issues of conservative regridding, that task was moved out past v4.0.1.

Developers continue to close out bugs on a time available basis. The updated schedule covers all remaining development items leading up to release V5.0.0r.

Next Meeting

The next meeting is tentatively scheduled to take place in June. The specific date is TBD.