

TM5-MP - Feature #23481

Sync with EC-Earth 3.3.2

12/19/2019 08:29 AM - Philippe Le Sager

Status:	Closed	Start date:	12/19/2019
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	TM5-MP 3.0	Spent time:	0.00 hour
Description			
Before releasing TM5-MP 3.0 , I would like to synchronize the CB05 code to include changes that were made in EC-Earth. The priority is on the chemistry, but if time allowed I may include the proj/co2 and proj/ecearth, although they are not used in the standalone. Not everything is possible. In EC-Earth, we make use of the wind speed met field received from IFS, while in the standalone it is computed from u10m and v10m.			

History

#1 - 01/06/2020 12:08 PM - Philippe Le Sager

- Status changed from New to Closed
- % Done changed from 0 to 100

The branch where the synchronization with EC-Earth 3.3.2 was done has been tested and reintegrated in to the trunk ([r1094](#)). It was followed by the release of [TM5-MP 3.0](#).

Note that the water soluble fractions of black carbon emissions (frac_bc_sol_bb and frac_bc_sol_bf in emission_data.F90; zbb_wsoc_perc in mo_aero.F90) have been increased to 0.95 to reduce the AOD over china and outflow region of Africa. See references for this choice in mo_aero.F90.