

TM5-MP - Feature #336

budget consistent with mmix

03/11/2015 12:54 PM - Philippe Le Sager

Status:	In Progress	Start date:	03/11/2015
Priority:	Normal	Due date:	
Assignee:	Philippe Le Sager	% Done:	10%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
budget is still computed over the run period, while mmix is over the smallest of month and run period (ie never longer than a month). This needs to be fixed for run longer than a month (typically in EC-Earth).			

History

#1 - 12/01/2015 10:05 AM - Philippe Le Sager

- Status changed from New to In Progress

- % Done changed from 0 to 10

This turns out more complicated than it was for mmix. Until this is fixed, we have to run EC-Earth with legs of 1 month (this is currently a bit expensive to start and restart a run) if we want monthly budget files.

What is needed in cbm5 (and similar in cbm4):

```
./proj/cb05/wet_deposition.F90:295: call Init(io, budget_file_global, 'write', status) ! the budget part of th
ose should move into something
./proj/cb05/emission.F90:457:      call Init(io, budget_file_global, 'write', status) ! similar to user_outpu
t_step, with calls to write and
./proj/cb05/sedimentation.F90:345: call Init(io, budget_file_global, 'write', status) ! close budget file if
needed, and open a new one:
./proj/cb05/chemistry.F90:339:     call Init(io, budget_file_global, 'write', status) ! a write-and-reset lik
e in user_output_mmix/accumulate_mmix
```

and in the base:

```
./base/initexit.F90:199:   call done_budget_global ( rcode )   ! should move inside the time loop ?
./base/initexit.F90:770:   call init_budget_global ( rcode )   ! should move inside the time loop ?
```