

List of Participants

Laure Coquart (CERFACS)
Kerstin Fieg (AWI)
Justin Freeman (BoM)
Richard Hill (UKMO)
Jean Latour (CERFACS)
Sophie Valcke (CERFACS)

Moritz Hanke (DKRZ)
René Redler (MPI-Met)
Hubert Ritzdorf (NEC)
Walter Sauf (MPI)

All

- please bring your own laptop
- checkout the trunk version of OASIS4
- Compile OASIS4 with `-DPRISM_ASSERTION`, `-DVERBOSE`, `DDEBUG` and `-DDEBUG_TRACE`

Tuesday, 31 August 2010

12h00 – 12h15 Technical SetUp

12h15 – 13h00 Introduction (René)

13h00 – 13h30 **Break**

13h30 – 15h00 OASIS4 PSMILe Data Structure (Moritz)

- printout of class diagrams
- explanation of class diagrams
- relation to interfaces
- generation of data structures in the code

15h00 – 15h15 **Break**

15h15 – 16h00 The coupled limited area modelling system at BoM (Justin)

16h00 – open Flow Charts

Explanation and guide through selected routines using Doxygen call graphs and formatted debug/verbose output

- application/component
- prism_init
- prism_enddef
- psmile_find_intersect
- psmile_get_intersect
- psmile_enddef_action
- psmile_info_trs_loc_irreg2_dble

Wednesday, 1 September 2010

09h00 – 10h30 Transformer and Interpolation

10h30 – 10h45 **Break**

10h45 – 12h15 Transformer and Interpolation

12h15 – 13h30 **Break**

13h30 – 15h00 User Defined Weights

15h00 – 15h15 **Break**

15h15 – 16h00 Buildbot (Walter Sauf, MPI)

Thursday, 2 September 2010

- 09h00 – 10h30 Playback Directory
- Debug Output (part 1)
 toy echam – MPIOM partition, trilinear interpolation
- uni-directional data exchange 1 ECHAM – 1 MPIOM
- 10h30 – 10h45 **Break**
- 10h45 – 12h15 Debug Output (part 2)
 toy echam – MPIOM partition, trilinear interpolation
- bi-directional data exchange 1 ECHAM – 1 MPIOM
 - bi-directional data exchange n ECHAM – m MPIOM
- 12h15 – 13h30 **Lunch Break**
- 13h30 – tbc. Interactive Debugging
- explaining of DEBUG_TRACE
 - extending DEBUG_TRACE
 - real example: RAO playback
 - print out from data structures
 1. print pairs of global field Ids
 field_name, transi_in, transi_out
 2. local mask, grid, method
 3. all source ranks for a target rank
 4. ...
- tbc. – 18h00 Questions and Answers (with Hubert)
- open questions from previous days
 - solutions for multi-block grids (prism_def_partition)

Friday, 3 September 2010

09h00 – 12h00

Next Steps

- extrapolation for conservative remapping
- I/O
- open tickets
- unstructured grids
- documentation

Development by 3rd parties (UKMO?, BOM?, ...)

12h00 – 13h30

Break

13h30 – 15h00

Next Steps (cont´d)

15h00 – 15h15

WrapUp