

Thursday Afternoon, November 4th

1 Agenda approval and discussion, practical aspects : 14:00 – 14:15

1° **Discussion on Versioning.** (14:15 – 16:15)

Mapping of the main branches, challenges

Expected output: any merging work that can be done during code camp, make sure the starting branch develop_openmp has all the requested features, e.g. Jorge's tallies work)

2° **Grouping of variables into structures (within modules, no IO)** 16: 30-18:00

Prerequisite : pre-identification of new structures not related to IO(particle, ...) into specific modules (eirmod_comprt, ...)

Discuss coding conventions w.r.t. data structures

Justification : improve readability and maintenance

Expected output : Identify targets and distribute work (e.g. particles, particle% E_0 , Particle%weight, ... instead of 'scattered' variables E_0 , weight ...)

Friday, November 5th

8:30 – 12:00 working session I on variable grouping (specific branch)

14:00 – 15:00 Discussion/report/feedback on the coding advancement (all)

3° **Grouping of variables into structures (IO related : geometry, tallies) 15h-18h**

Prerequisite : IMAS compatibility issue digest, identification of variables to be grouped (modules first eirmod_cgrid, ...)

Justification : improve readability and maintenance, facilitate IMAS interfacing

Expected output : plan to group geometry variables into an IMAS compatible way

Note : keep future domain decomposition in mind

---- some time during the week end for those available to advance on the coding work ----

Monday November 8th

8:30-12h working session on variable grouping

14:00 – 15:00 Discussion/report/feedback on the coding advancement (all)

4° Core segregation (how to deal with branching)

Tuesday November 9th

8:30-12h working session

14:00 – 15:00 Discussion/report/feedback on the coding advancement (all)

5° Plans for the EIRENE toy model (with ACH)

Optimization of memory bottleneck for OpenMP / test other possibilities ? co-arrays ?

Test bed for domain decomposition strategy, possibly also adjoint ...

Wednesday November 10th

8:30-12h working session

14:00 – 15:00 Discussion/report/feedback on the coding advancement (all)

15:00 Wrap-up and future plans

Agree on work to be finished