GEOCLIM check list

cond_p20 file :

- [ ] line 1-2 : prescribed solid Earth degassing rate
- [ ] line 8 : coupling the geochemical and biodiversity modules
- [ ] line 9 : creating an ecosystem or restart from a previous one
- [ ] line 10 : fauna type: endemic or global
- [ ] line 11 : killing species if their abundance becomes very low
- [ ] line 12 : forcing an extinction independently from the geochemical model state
- [ ] line 13 : interconnected producers or independent producers
- [ ] line 22 : end time for iteration
- [ ] line 23 : print result frequency (multiple of the time step
- [ ] line 24 : age for generating all the restart files
- [ ] line 25 : accelerating the time evolution of O2 or not

geoclim_foam.f :

- [ ] line 13-19 : checking the extension of the input files
- [ ] line 22-204 : checking the extension of the output files
- [ ] line 30-32 : checking the climatic input files

combine_FOAM.inc :

- [ ] line 6 : number of primary producers, including the empty slots for evolution
- [ ] line 7 : number of predators (trophic level 2)
- [ ] line 8 : number of super predator (trophic level 3)
- [ ] line 9 : number of species that can be created by cladogenesis, if evolution is allowed
- [ ] line 10 : total number of species including empty slots
- [ ] line 14: specify the number of offline FOAM simulation available
- [ ] line 16 : starting time for trap degassing, ending time, and interval in case of two pulses
- [ ] line 26 : probability for a new species to be a carbonate producer (for primary producers)
- [ ] line 27 : probability for evolution of one species within one time step
- [ ] line 28 : probability for one species to get extinct within one time step