

FILE: GLOBAL_ENV.F90

```
1 module global_env
2
3   use iso_fortran_env
4
5   integer, parameter :: DP=REAL64
6
7   integer, parameter :: X=1, Y=2, Z=3
8   integer, parameter :: fmain=11, fdbg=15, fdat1=21, fdat2=22,
9     fdat3=23
10
11   logical debug
12
13   integer :: n_collisions
14
15   ! system parameters
16   integer, dimension(3) :: box_size
17   real(DP) :: k_on, k_off, k_3d, k_2d
18
19 contains
20   function time_stamp()
21
22     implicit none
23
24     character(18) :: time_stamp
25     character(8)  :: date
26     character(10) :: time
27
28     call date_and_time(date,time)
29
```

```

30     time_stamp = date(5:6) // '/' // date(7:8) // '/' // date
        (1:4) &
31                // ' ' // time(1:2) // ':' // time
                (3:4)
32
33     end function time_stamp
34
35 end module global_env

```