


```

!-----
! MPI related variables
!-----
!
integer Lmmpi,Mmmpi,iminmpi,imaxmpi,jminmpi,jmaxmpi
common /comm_setup_mpi1/ Lmmpi,Mmmpi
common /comm_setup_mpi2/ iminmpi,imaxmpi,jminmpi,jmaxmpi
!
! Domain subdivision parameters
! =====
!
! NPP          Maximum allowed number of parallel threads;
! NSUB_X,NSUB_E Number of SHARED memory subdomains in XI- and
!                      ETA-directions;
! NNODES       Total number of MPI processes (nodes);
! NP_XI, NP_ETA Number of MPI subdomains in XI- and ETA-directions;
!
integer NSUB_X, NSUB_E, NPP
#ifdef MPI
integer NP_XI, NP_ETA, NNODES
parameter (NP_XI=21, NP_ETA=9, NNODES=144)
parameter (NPP=1)
parameter (NSUB_X=1, NSUB_E=1)
#elif defined OPENMP
parameter (NPP=4)
# ifdef AUTOTILING
common/distrib/NSUB_X, NSUB_E
# else
parameter (NSUB_X=1, NSUB_E=NPP)
# endif
#else
parameter (NPP=1)
# ifdef AUTOTILING
common/distrib/NSUB_X, NSUB_E
# else
parameter (NSUB_X=1, NSUB_E=NPP)
# endif
#endif
endif

:

!-----
! Point sources, Floast, Stations
!-----
!
#if defined PSOURCE || defined PSOURCE_MASS || defined PSOURCE_NCFILE
integer Msrc          ! Number of point sources
# ifdef RIVER
parameter (Msrc=2)          ! =====
# elif defined VILAINE
parameter (Msrc=2)          ! =====
# elif defined ESTUARY
parameter (Msrc=1)          ! =====
# else
parameter (Msrc=10)         ! =====
# endif

:

```