! small European domain

 &dimparam

 iy = 330,

 jx = 440,

 kz = 23,

 nsg = 1,

 /

! Choice of the dynamical core

!

 &coreparam

 idynamic = 2, ! Choice of dynamical core

 ! 1 = MM4 hydrostatical core

 ! 2 = MM5 NON hydrostatical core

/

&geoparam

 iproj = 'ROTMER',

 ds = 25.0,

 ptop = 5.0,

 clat = 20,

 clon = 75,

 plat = 20,

 plon = 75,

 truelatl = 30.0,

 truelath = 60.0,

 i\_band = 0,

 /

 &terrainparam

 domname = 'Trial',

 smthbdy = .false.,

 lakedpth = .false.,

 ltexture = .true.,

 fudge\_lnd = .false.,

 fudge\_lnd\_s = .false.,

 fudge\_tex = .false.,

 fudge\_tex\_s = .false.,

 h2opct = 50.,

 h2ohgt = .true.,

 ismthlev = 1,

 dirter = '/scratch/cas/phd/asz148358/input\_trial/',

 inpter = '/scratch/cas/phd/asz148358/REGCM/original',

 moist\_filename = 'moist.nc',

 /

 &debugparam

 debug\_level = 1,

 dbgfrq = 3,

 /

 &boundaryparam

 nspgx = 20,

 nspgd = 20,

 /

 &globdatparam

 ibdyfrq = 6,

 ssttyp = 'OI\_WK',

 dattyp = 'EIN15',

 chemtyp = 'MZ6HR',

 gdate1 = 2011090100,

 gdate2 = 2015010100,

!calender = 'gregorian',

 dirglob = '/scratch/cas/phd/asz148358/input\_trial',

 inpglob = '/scratch/cas/phd/asz148358/REGCM/original',

 /

 &globwindow

 lat0 = 0.0

 lat1 = 0.0

 lon0 = 0.0

 lon1 = 0.0

 /

 &restartparam

 ifrest = .false. ,

 mdate0 = 2011090100,

 mdate1 = 2011090100,

 mdate2 = 2015010100,

 /

 &timeparam

 dt = 30.,

 /

 &outparam

 ifsave = .false. ,

 savfrq = 7200.,

 ifatm = .true. ,

 atmfrq = 24.,

 ifrad = .true. ,

 radfrq = 24.,

 ifsrf = .true. ,

 ifsub = .true. ,

 srffrq = 24.,

 ifchem = .true.,

 ifopt = .true.,

 chemfrq = 24.,

 dirout='/scratch/cas/phd/asz148358/REGCM/trial\_output'

 /

 &physicsparam

 iboudy = 5,

 ibltyp = 1,

 icup\_lnd = 2,

 icup\_ocn = 4,

 igcc = 1,

 ipptls = 1,

 iocnflx = 2,

 ipgf = 0,

 iemiss = 0,

 lakemod = 0,

 ichem = 1,

 scenario = 'A1B',

 idcsst = 0,

 iseaice = 0,

 idesseas = 0,

 iconvlwp = 0,

 /

 &nonhydroparam

 logp\_lrate = 50.0,

 ifupr = 0,

 ckh = 1.0,

 diffu\_hgtf = 1,

 nhbet = 0.4,

 nhxkd = 0.1,

 /

 &subexparam

 qck1land = .250E-03,

 qck1oce = .250E-03,

 cevaplnd = .100E-02,

 caccrlnd = 3.000,

 cftotmax = 0.75,

 /

 &grellparam

 /

 &emanparam

 elcrit\_ocn = 0.0011D0,

 elcrit\_lnd = 0.0011D0,

 coeffr = 1.0D0,

 /

 &holtslagparam

 /

 &clm\_inparm

 fpftcon = 'pft-physiology.c130503.nc',

 fsnowoptics = 'snicar\_optics\_5bnd\_c090915.nc',

 fsnowaging = 'snicar\_drdt\_bst\_fit\_60\_c070416.nc',

 /

 &clm\_soilhydrology\_inparm

 /

 &clm\_hydrology1\_inparm

 /

&chemparam

 chemsimtype = 'AERO', ! Which chemical tracers to be activated.

 ! One in :

 ! DUST : Activate 4 dust bins scheme

 ! SSLT : Activate 2 bins Sea salt scheme

 ! DUSS : Activate DUST + SSLT

 ! DU12 : Activate 12 dust bins scheme

 ! CARB : Activate 4 species black/anthropic

 ! carbon simulations

 ! SULF : Activate SO2 and SO4 tracers

 ! SUCA : Activate both SUKF and CARB

 ! AERO : Activate all DUST, SSLT, CARB and SULF

 ! CBMZ : Activate gas phase and sulfate

 ! DCCB : Activate CBMZ +DUST +CARB

 ! POLLEN : Activate POLLEN transport scheme

 ichsolver = 0, ! Activate the chemical solver

 ichsursrc = 1, ! Enable the emissions

 ichdrdepo = 1, ! 1 = enable tracer surface dry deposition. For dust,

 ! it is calculated by a size settling and dry

 ! deposition scheme. For other aerosol,a dry

 ! deposition velocity is simply prescribed further.

 ichebdy = 1, ! Enable boundary conditions read

 ichcumtra = 1, ! 1 = enable tracer convective transport and mixing.

 ichremlsc = 1, ! 1 = wet removal of chemical species (washout and rainout

 ! by total rain) is enabled

 ichremcvc = 1, ! 1 = wet removal of chemical species (washout and rainout

 ! by convective rain) is enabled

 ichdustemd = 1, ! Choice for parametrisation of dust emission size distribution

 ! 1 = use the standard scheme (Alfaro et al., Zakey et al.)

 ! 2 = use the the revised soil granulometry + Kok et al., 2011

 ichdiag = 1, ! 1 = enable writing of additional diagnostics in the output

 idirect = 2, ! Choice to enable or not aerosol feedbacks on radiation and

 ! dynamics (aerosol direct and semi direct effcts):

 ! 1 = no coupling to dynamic and thermodynamic. However

 ! the clear sky surface and top of atmosphere

 ! aerosol radiative forcings are diagnosed.

 ! 2 = allows aerosol feedbacks on radiative,

 ! thermodynamic and dynamic fields.

 iindirect = 1, ! Enable sulfate indirect effect in radiation scheme

 rdstemfac = 1.0,! Aerosol correction factor (Laurent et al, 2008)

 ichjphcld = 1, ! Impact of cloud aod on photolysis coef

 ichbion = 0, ! ???????????????????????????????????///

 /