

Forecast_tools charts

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1. [make_OGCM_frcst.m](#) : Creation of the files in ROMS_FILES
 - roms_ini_mercator_hct.nc
 - roms_ini_mercator_4177.nc
 - roms_clm_mercator_4177.nc
 - roms_bry_mercator_4177.nc
 - roms_blk_GFS_4177.nc
 - roms_frc_GFS_4177.nc
2. [make_forecast.m](#) : copy these files to
 - roms_ini_mercator_0.nc
 - roms_clm_mercator_0.nc
 - roms_bry_mercator_0.nc
 - roms_GFS_mercator_0.nc
 - roms_GFS_mercator_0.nc
3. [make_forecast.m](#) :
 - Copy of roms_ini_mercator_4177.nc to Run/FORECAST/roms_ini.nc in case of roms_ini.nc already present
 - Time modifications
4. [Simulations runtimes](#)
 - **Hindcast run : 5 days (Now-5 days → Now, restart everyday)**
 - i. Copy of Run/FORECAST/roms_ini.nc to Run/SCRATCH/roms_ini.nc
 - ii. 5 days run : now -(hdays+1) at 18h00 → before yesterday, 18h00
 - iii. Saving of a restart file everyday and all of them in the restart file
 - iv. End of the simulation
 - v. Copy the file Run/SCRATCH/roms_rst.nc to Run/FORECAST/roms_ini.nc to prepare the next hindcast run
 - vi. Copy of Run/SCRATCH/roms_rst.nc in Run/SCRATCH/roms_ini.nc for the forecast run.
 - **Forecast run : 6 day (Now-1 days → Now+5days, no restart, read the time step #4 in the file roms_ini.nc, created during the hindcast run)**
 - i. Begin the simulation Now-1 jours (0h00)
 - ii. 6 days run
 - iii. Read the 4th iteration of the file Run/ SCRATCH/roms_ini.nc

Restart strategy

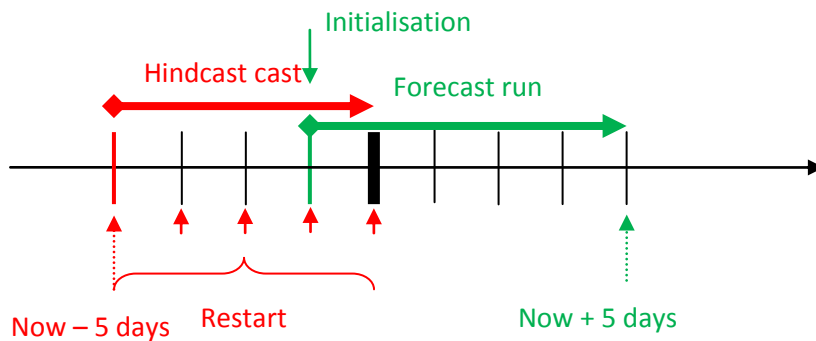


Chart flow diagram

