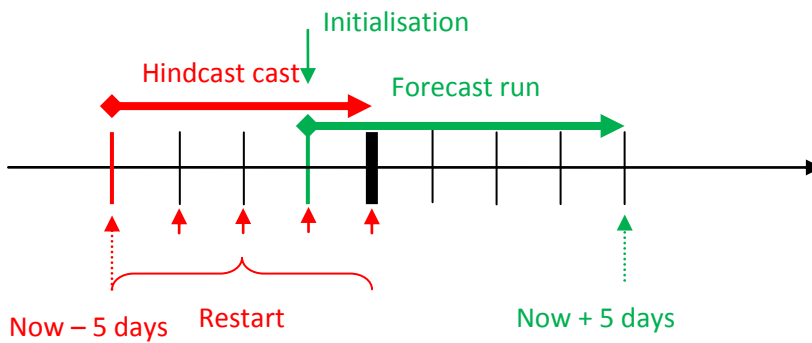


## Forecast\_tools charts

July 7<sup>th</sup>, 2011

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**

