

committed

- no halo in input and output
- change the way to deal with scale factors in z^* -coordinate (save memory)
- current feedback parametrization on wind stress
- Shallow Water (cleaning needed)
- immerse: Air-sea coupling test case with an atmospheric toy model
- v4: param of frozen lids on top of melt ponds
- v4: new param of solar flux transmitted thru the ice Lebrun (2019) thesis
- v4: implicit ice-ocean drags (from J. Chanut)
- v4: add a dependency of the turbulent mixing to the presence of sea-ice
- a bunch of debugs...

to arrive by the end of 2020

- copy v4 sea-ice related developments into the trunk
- Improve the AGRIF_DEMO by adding TOP + PISCES
- Sea ice and Antarctic ice sheet fe source
- cleaning of Shallow Water
- trusting : Trusting: regular and automatic verification and validation . As much as possible ...
- Addition of regular tests (in sette probably, or in a similar script) for some test cases, 50y simulations of ORCA2_ICE_PISCES, others?...
- improve bulk transfer coefficients over sea-ice. adapt STATION_ASF test-case to sea-ice.
- SI3 improvments: melt ponds topo (Flocco Feltham 2007), drags coefficients, rhéologie VP (SI3_03_VPrheology)
- replace hydrostatic pressure gradient by pressure gradient anomaly