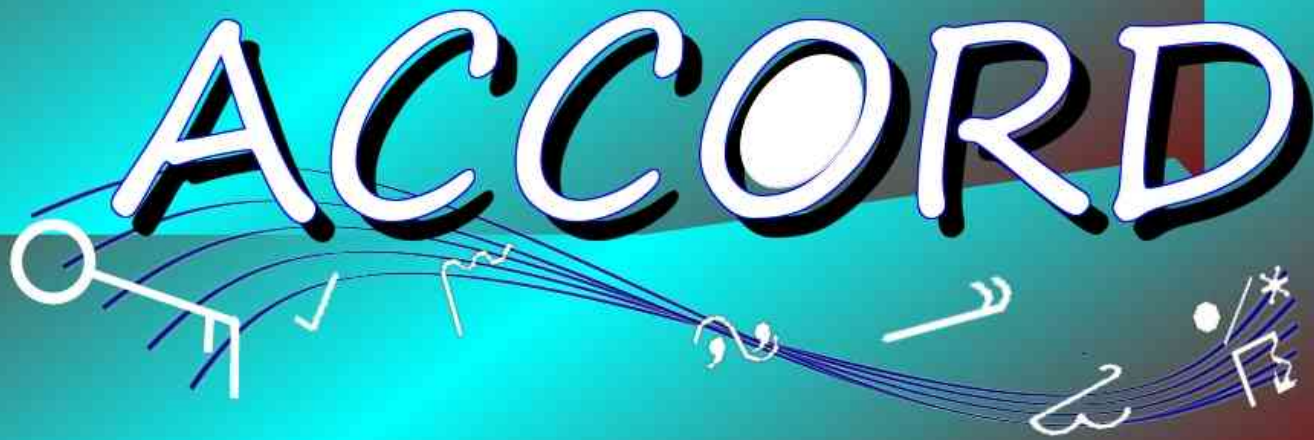


ACCORD

A graphic featuring the word "ACCORD" in large, white, rounded letters with a black outline. Below the text are several blue lines representing musical staves, with various white musical symbols including a treble clef, a checkmark, a squiggle, a double quote, and a star.

Cycling

Claude Fischer,
ACCORD ASW, 12 April 2021



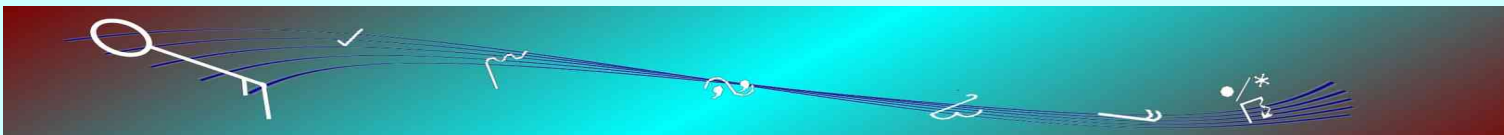
Recent cycles

- **CY46T1_bf.06**: last bf version; will require additional fixes before a potential export version (bf.07?)
- **CY47; CY47T1** (valuable versions but nothing to say here !)
- **CY48**: declared end of August 2020
- **CY48T1**:
 - build started in October 2020
 - incremental integration approach
 - intensive use of “davai” testing tool
 - Declaration date not yet decided, pending (for now) validation of specific tests



Content of CY48T1 (non exhaustive) - 1

- SURFEX v8.1+; ocean/atmosphere coupling interface
- ARPEGE:
 - Snow analysis
 - physics changes: interface to Tiedtke scheme, GELATO with OpenMP
- AROME: optional fog deposition in ICE3
- Model diagnostics: aviation (clouds); convection; lightning density
- Dynamics: VFE cleaning; d5/W for NH; code optimizations
- Code infrastructure for 3D effects in physics (dataflow for horizontal derivatives in GP part)
- OBS: VarBC for Mode-S; SCATT; radar;
- OOPS-Arpege and Arome updates; EnVar updates



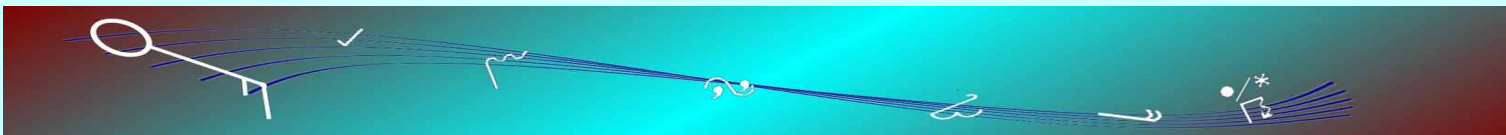
Content of CY48T1 (non exhaustive) - 2

- **ALARO:**

- TOUCANS improvements and cleaning; fix for graupel
- Latent heat nudging code; obs options (DOW etc.)

- **Hirlam/Harmonie-Arome:**

- SPP extension to LAM for EPS
- LAM/4D-VAR for Harmonie-Arome
- Obs and Bator changes
- LUNBC flexible level definition (coordinated with dynamics)



Next cycles: tbc with ECMWF

- **CY49: Autumn 2021 or only 2022 ?**
- **CY48T2:**
 - pending decision on CY49 & discussion within MF/ACCORD
 - If kept, T2 would be devoted to integration of pending contributions from the T1 proposals + reporting of oper & bugfix branches
 - In this spirit, partners are invited to approach the Integration Leader for proposals
- **2021-2023: expect impact from code adaptations to GPU & separation of concern implementation (data structures, DSL tool chain etc.)**

