



A Consortium for CONvection-scale modelling
Research and Development

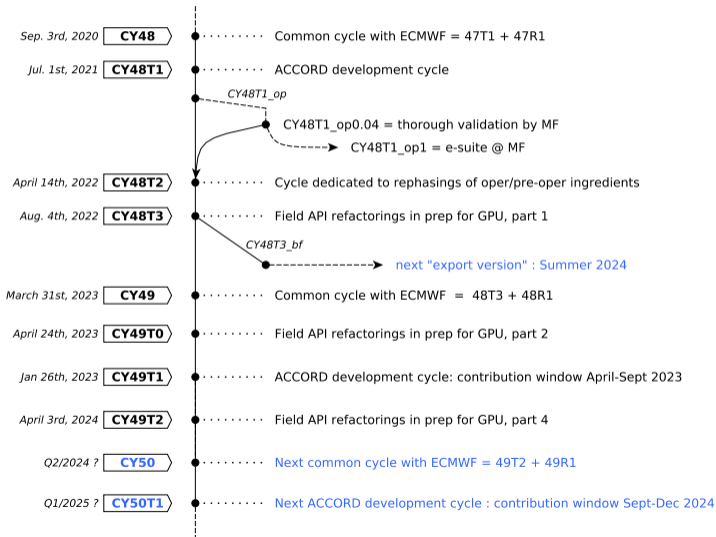
Cycles and co

Alexandre Mary

ACCORD Integration Leader
Météo France

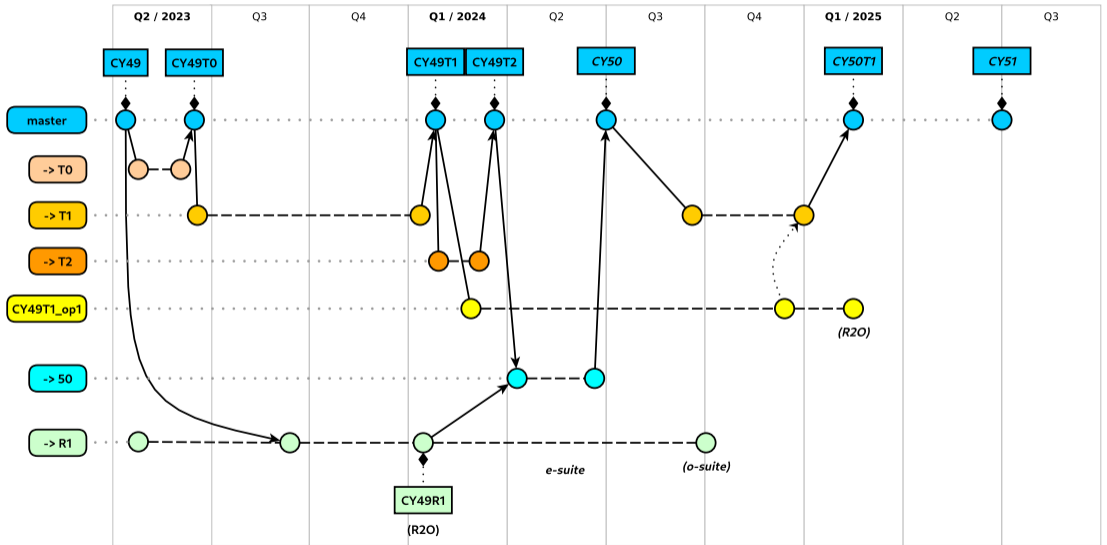
ACCORD ASW 2024, Norrköping

Recent and upcoming cycles



Export version CY48T3

- *Initial proposal (last year) of a hybrid version 48T1_op0/48T3 → got delayed*
- New proposal : pure CY48T3_bf, validated on a few weeks of Arome-France 3DVar, CNT0 **and** OOPS
↔ summer 2024
- Additional material :
 - doc on build and run of OOPS executable
 - Arome-France set of namelists + technical necessary namelists updates from CY46T1
 - updated input resources (RRTM files etc.)
 - scores, logs
- **Last export version with Arome-3DVar@CNT0 extensively validated**
- **Last export version of that format** (future of export under brainstorming)
- Dedicated deployment discussion :
<https://github.com/ACCORD-NWP/IAL/discussions/243>



CY49T0

- GPU-readiness refactoring, round #2
- Declared *April 24th, 2023*
- **Release Notes** : <https://github.com/ACCORD-NWP/IAL/releases/tag/CY49T0>

CY49T1

- Contents (~100 contributions) :
 - GPU-readiness refactoring, round #3 (extern. `field_api`)
 - ACCORD developments and catch-ups (incl. 48T1_op1 MF e-suite branch)
 - SURFEX version common to all 3 CSCs
 - PHYEX (Meso-NH/Arome physics, pre-externalised)
 - various bugfixes (incl. porting on NEC)
- **Release notes** : <https://github.com/ACCORD-NWP/IAL/releases/tag/CY49T1>
- Updates of `oops`, `fiat`, `ectrans` (to be PR'd to ECMWF for CY50)
- Declared *January 26th, 2024*
- Meteorological validation wrt e-suite 48T1_op1 : OK, ongoing – basis for next e-suite
- *Pending issues* : <https://github.com/ACCORD-NWP/IAL/issues>

CY49T2

- Contents :
 - GPU-readiness refactoring, round #4 : SI, SL, `field_api-0.2.4`
 - late SL+VFE optimization/refactoring branch
 - miscellaneous fixes from CY49T1 meteorological validation
- **Release Notes** : <https://github.com/ACCORD-NWP/IAL/releases/tag/CY49T2>
- Declared *April 3rd, 2024*

CY50

- = CY49R1 + CY49T2
- Merge started *April 8th*
- Target for declaration : end of June

CY50T1

- Call for contribution (ACCORD) Sept-Dec 2024 (the earlier the better)
- Contributions to be based on CY50 (but can – should – be already prepared on CY49T2 and rephased then on).
- Please discuss potential contributions with your LTM, AL and the IL, **as early as possible**
- Deadline will be more **strict** (Dec 31st)
- Target for declaration : end of Feb 2025

IAL repository on ACCORD Forge

<https://github.com/ACCORD-NWP>

- Reminder to get started :
 - Get a github.com account, **using an explicit identifier** and professional email address
 - Request membership by email to Daniel Santos Munoz and/or Alexandre Mary, indicating your github identifier and associated email address
 - Follow instructions on <https://github.com/ACCORD-NWP/IAL/blob/master/.github/CONTRIBUTING.md>
- Reviews :
 - watch & be reactive
 - AL to request reviews
 - improve code quality
- Issues : reporting of issues → build an FAQ
- Pull Requests : better early and tagged “WorkInProgress” than too late

DAVAI technical validation system

- Feedback from users (contribs 49T1) is **welcome**
- **Scope** of tests slowly progressing
↪ Propose your configuration : a script and a set of input resources
- Issues & Evolutions : <https://github.com/ACCORD-NWP/DAVAI-tests/issues>
- **Environments** : more compilers, more build systems, *more platforms*
- **Bundle-ready** (e.g. to test an IAL+OOPS contribution)

Thank you for your attention
Comments, questions?