Practical exercise – Introduction -

AROME training course

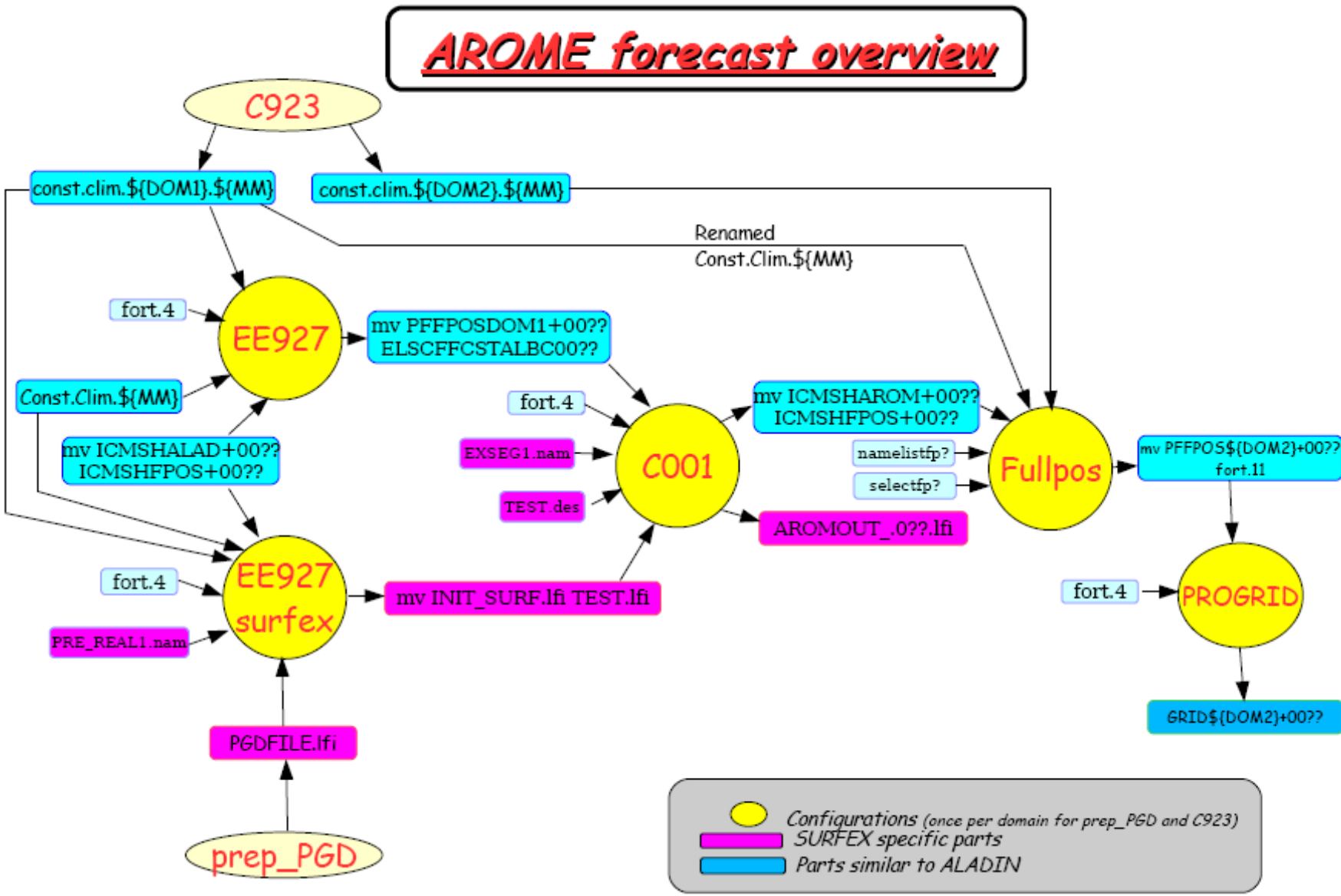
Portugal, 4-7 March 2008

METEO FRANCE
Toujours un temps d'avance

TP - Program

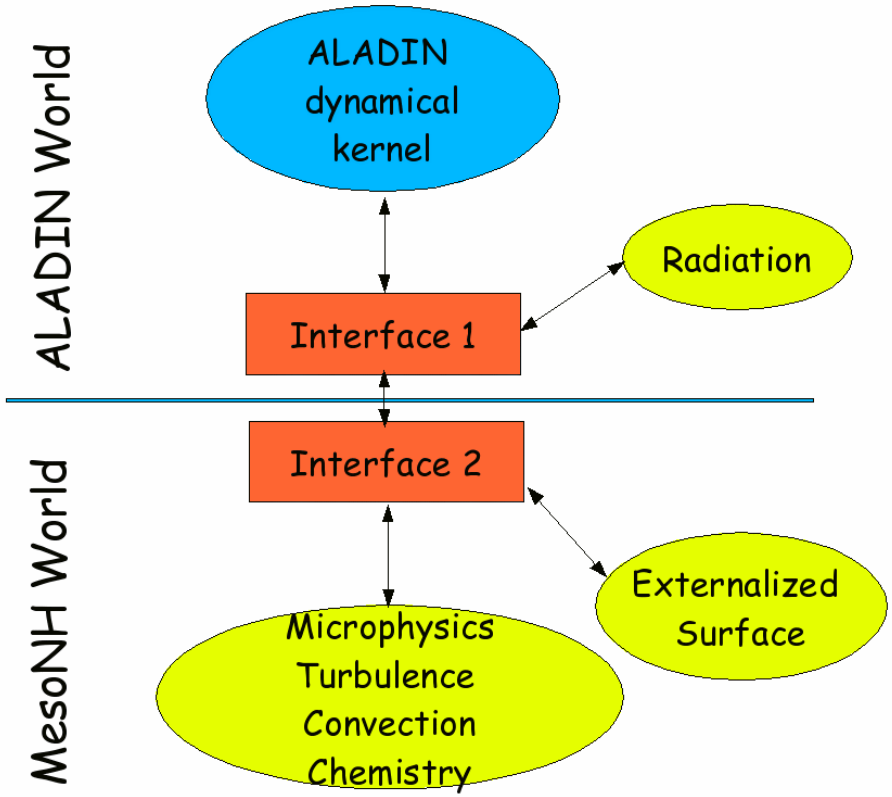
- Day 3 and Day 4
- 1D model tests/use of gmkpack to make binaries (hpce platform local PC)
- 3D model tests (hpce platform)

AROME forecast overview



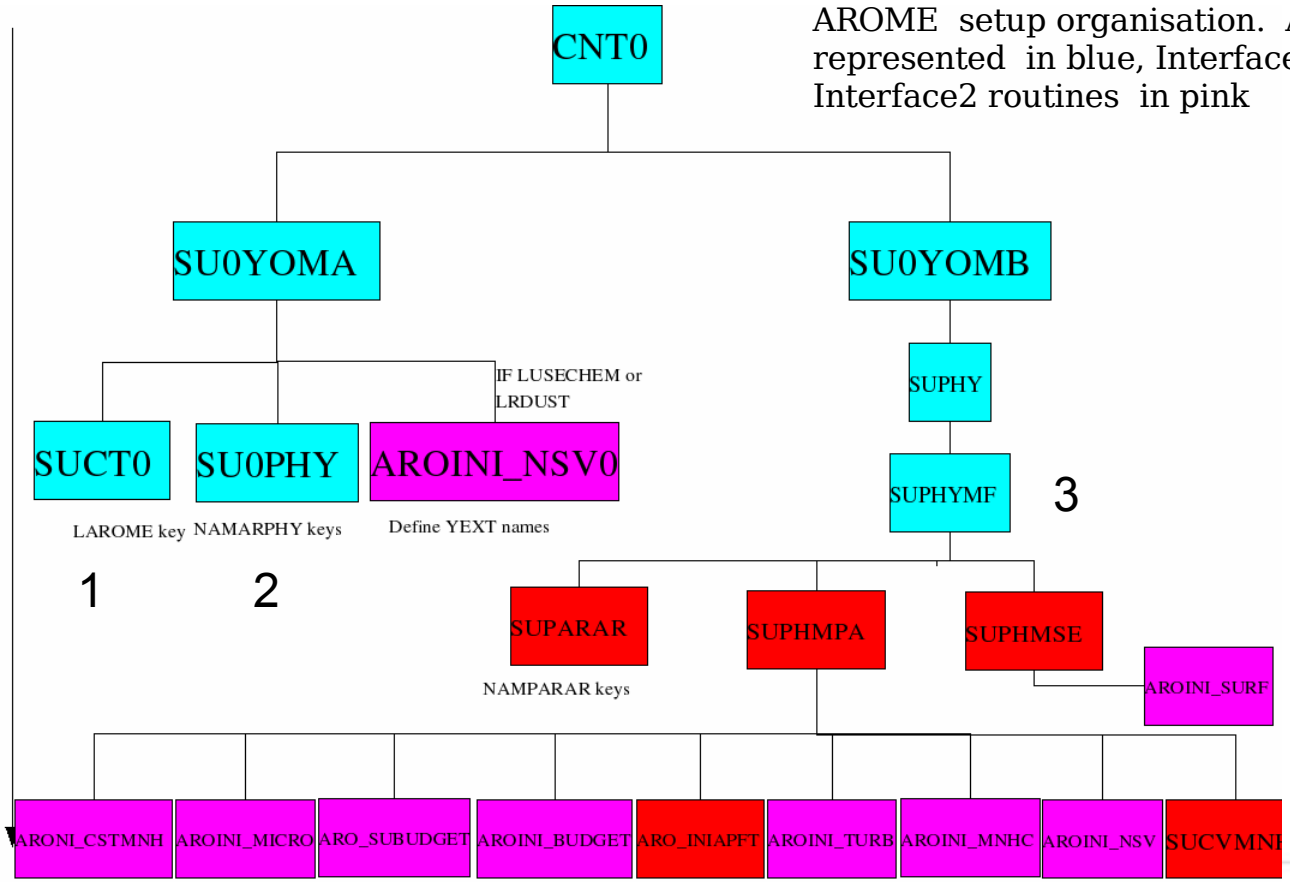
Introduction to AROME code (1)

- The AROME prototype is built upon the dynamical kernel of ALADIN-NH. The physical package is imported from the Méso-NH research model (GMME-LA). The two worlds are separated (Figure 1). The communication between the two worlds are performed thanks to interfaces that were written for the prototype.



Introduction to AROME code (2)

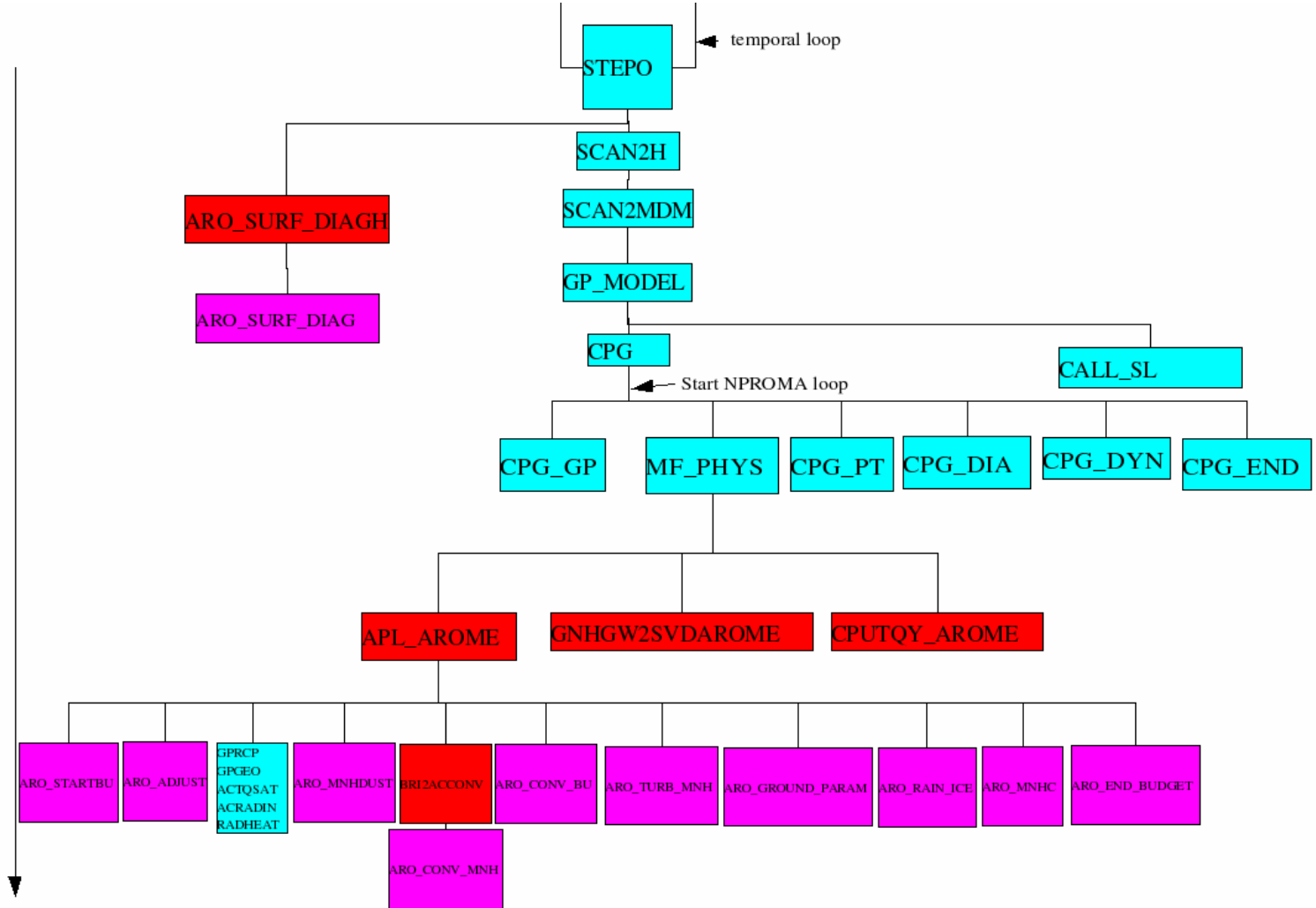
- SET-UP : AROME setup is done in 3 places in the code



AROME setup organisation. Arpège-Aladin routines are represented in blue, Interface1 routines in red, and Interface2 routines in pink

Introduction to AROME code (3)

- Time - stepping



Introduction to AROME code (3)

- Location of routines under pack