

MAINTENANCE ISSUES : 2004 – 2005

Evolution of the source code along 2004 : Many cycles and a lot of work !

- ✦CY28T0 : March 2004 *interim cycle*
 - CY28T1 : June 2004 *EXPORT VERSION ; very long debugging !*
 - CY28T2 : July 2004 *operational cycle in Toulouse*
 - ✦ CY28T3 : September 2004 *cleaned EXPORT VERSION*
 - ✦CY29 : October 2004 *common cycle with IFS ; just finished !*
 - ✦CY29T1 : starting *cleanings & late developments*
- Help from ALADIN partners was required , and obtained, for cycles 28T0, 28T3 (deported contributions only), 29, and 29T1.*

Cycles 28T1-3 shall be the basis for operations in 2005

What is scheduled for 2005 ?

- CY29T1 : *winter (end 2004, early 2005)* ⇒ late developments and cleaning
 - CY29T2 : *winter-spring 2005* ⇒ **introduction of the AROME prototype**
 - CY30 : *summer 2005* ⇒ next common cycle with IFS
 - **phasing and validation for physics : autumn 2005** (added along the Split meeting)
- ...and hopefully nothing else !*

Export versions : What's new ?

- ✓ Tested on various platforms by the phasing team : *VPP, IBM, Linux PC*
- ✓ Documentation in English, *from CY28T3*
- ✓ ALADIN-France namelists provided in export packages, *as asked at the first maintenance workshop; differences with the previous versions will be provided*
- ✓ New packing : *all projects (arp, ald, uti, xrd, ...) provided, packing by project to make transfer easier, incremental and full versions*

Else :

a small but increasing amount of "deported" contributions : *decentralization is now effective !*
more feedback from porting problems, please !

Ryad El Khatib and Jean-Daniel Gril are planning a huge cleaning with the help of other experts !

Distribution of the 1998-2004 maintenance effort (excluding the French team)

% of the total *phasing* and maintenance efforts, including deported maintenance (after corrections !) and the *common verification project*

	1998		1999		2000		2001		2002		2003		2004	ave.
	phasing	maint.	phasing	maint.	phasing	maint.	phasing	maint.	phasing	maint.	phasing	maint.	phasing	phas.
Austria	0.0	0.0	0.0	0.0	7.5	4.6	0.0	0.0	8.1	4.7	0.0	1.1	0.0	2.3
Belgium	6.3	3.1	3.0	14.0	0.0	4.6	8.1	13.5	8.1	3.5	11.6	6.7	8.3	6.6
Bulgaria	28.1	16.9	24.2	16.0	5.0	6.2	24.3	21.6	8.1	7.1	14.0	10.1	8.3	15.5
Croatia	9.4	4.6	9.1	6.0	20.0	12.3	8.1	5.4	0.0	5.9	14.0	13.5	13.9	10.9
Czech R.	6.3	3.1	6.1	4.0	17.5	12.3	10.8	6.8	13.5	10.6	2.2	2.2	16.7	10.5
Hungary	0.0	9.2	12.1	8.0	15.0	9.2	13.5	12.2	21.6	10.6	16.2	12.4	8.3	11.8
Morocco	18.8	18.5	24.2	16.0	0.0	6.2	0.0	8.1	21.6	10.6	14.0	13.5	0.0	10.0
Poland	0.0	4.6	0.0	0.0	5.0	12.3	8.1	10.8	8.1	8.2	7.0	16.9	8.3	5.4
Portugal	0.0	6.2	0.0	0.0	0.0	0.0	8.1	5.4	0.0	1.2	0.0	1.1	0.0	1.2
Romania	15.6	10.7	6.1	12.0	7.5	7.7	0.0	4.1	0.0	1.2	7.0	4.5	13.9	7.0
Slovakia	15.6	20.0	9.9	12.0	15.0	15.4	13.5	8.1	10.8	7.1	14.0	14.6	13.9	13.3
Slovenia	0.0	6.1	6.1	12.0	7.5	9.2	5.4	4.1	0.0	24.6	0.0	3.4	0.0	2.7
Tunisia	-	-	-	-	-	-	0.0	0.0	0.0	4.7	0.0	0.0	8.3	2.2
<i>total effort</i>	16.0		16.5		20.0		18.5		18.5		21.5		18.0	<i>p×m</i>

(1/12 = 8.3 %, 1/13 = 7.7 %)

Evolution of the global contribution to maintenance along the last years

	1998	1999	2000	2001	2002	2003	2004
maintenance(<i>p×m</i>)	32.5	25.0	55.0	53	66.5	82.0	52.5×2?
phasing teams (<i>p</i>)	12	13	14	11	14	15	13

phasing teams : excluding the French contribution, including deported work ; the target size : 8 persons, was reached for the first time in autumn 2004