



PERIODIC MANAGEMENT REPORT

Third Year

FINAL DRAFT 1.2

Reporting period: September 1st, 2006 – August 31st, 2007

Coordinator: Caisse des dépôts et consignations (CDC)

Project acronym: ARTIST2

Project Leader: Joseph Sifakis

Project full title: Embedded systems design

Type of contract: NETWORK OF EXCELLENCE

Contract N°: 004527

Project URL: <http://www.artist-embedded.org/>

Date: December 10th, 2007

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INTRODUCTION

ARTIST2 is a Network of Excellence with the objective to strengthen European research in Embedded Systems Design, and promote the emergence of this new multi-disciplinary area. Operationally, this is achieved by integrating the teams, and building excellence.

ARTIST2 gathers together 38 leading European teams from the composing disciplines, and work to forge a scientific community. It covers a period of four years from September 01st, 2004 to August 31st, 2008. According to the terms of the contract, the Community financial contribution for the project shall be in the amount of € 6,500,000.00.

Repartition of cost models selected within the project:

Cost models	FC	FCF	AC
Number of partners (39)	8	5	26
Percentage	20.5 %	12.8 %	66.7 %
Partners' names	05-AbsInt 08-CEA 14-FTRD 15-INRIA 24-UPM 30-UT 33-UPVLC 38-ACE	01-CDC 02-UJF/Verimag 18-LSV/CNRS 22-PARADES 39-Tidorum	03-RWTH Aachen 04-AAU 06-UAveiro 07-Cantabria 09-ULG 10-CTU 11-UNIDO 12-DTU 13-ETHZ 16-KTH 17-LiU 19-ULund 20-MDH 21-OFFIS 25-USAAR 27-TU/e 28-TUWien 29-TUBS 31-UNIBO 32-UPPSALA 34-UNİYORK 35-ISEP-IPP 36-EPFL 37-SSSA 40-KUT 41-BUT

Note: this report consolidates the detailed reporting data from 39 partners and forms C from 38 out of 40 partners; 26-STM has indeed only provided Form C to adjust its past year cost statement that was rejected.

Section 1- Justification of major cost items and resources

Figures illustrating costs incurred and resources deployed by each contractor are all included in tables number 1 to 7bis shown in Appendix 1 of this Report. They respectively provide the below-given information.

Table 1 – OVERALL EFFORTS OF PARTNERS

Table 2 – COMMENTS ON WORK PERFORMED

Table 3 – TIME DEVOTED TO JPA (Person days)

Table 4 – COST BUDGET FOLLOW-UP

Table 5 – ESTIMATED ELIGIBLE COSTS PER TYPE OF EXPENDITURE

Table 6 - OVERVIEW OF TIME SPENT: PLANNED / ACHIEVED FROM M25 TO M36 (Person-months)

Table 7 - PERSON-MONTH STATUS TABLE

Table 7bis - AC: OWN STAFF (Person months)

1.1. Comments on Tables

1.1.1 Overall efforts of partners

All efforts provided by each partner are summarized on this table. The main points to underline are:

- High level of Eligible Costs submitted in Forms C (€ 2,310,207.29) in comparison with amount of Community Contribution distributed to partners (€ 1,546,318.00);
- That time devoted to the JPA reaches 8,937.65 person days.

1.1.2 Comments on work performed

Table 2 aims to explain use of time resources. This is put in relation with both the number of time devoted to JPA at workpackage level.

1.1.3 Time devoted to JPA

All time spent devoted to JPA activities declared by partners is broken down in Table 3 per partner and per workpackage (unit: person days).

1.1.4 Cost budget follow-up and estimated Eligible Costs

In tables 4 and 5 the level of costs declared by each partner, respectively the Total and Eligible Costs, can be observed.

As shown in table 4, total costs incurred by partners reach € 3,158,318.35.

Another important point is the high level of manpower eligible costs that reach € 1,137,946.47 for a total of € 2,256,478.97 eligible costs; it is the highest type of expenditures engaged, representing 50.43% of eligible costs (table 5).

1.1.5 Overview of time spent

Tables 6 gives the breakdown of time spent devoted to JPA activities, in person-months, per type of activity and per partner. Table 7 focuses on the workpackage level.

In both tables, time achieved is compared with planned time. It thus appears that the achieved amount of time (496.54 person months) reaches 144.62% of the number of person months forecast in Annex I for the third period (343.33 person months).

It will be seen as well that the main part of this time spent as dedicated to Joint Research Activities (299.52 person months, i.e. 60.132% of total time spent), and that achieved time devoted to Integrating Activities represents 28.43% (141.17 person months).

1.1.6 Efforts provided by permanent staff of AC contractors

Efforts provided by permanent staff from AC contractors are broken down per workpackage and per AC contractors. This gives an idea of the time devoted to ARTIST2 activities that will not be funded by the ARTIST2 FP6 contract, however supported by the partners. This effort is estimated at 531.64 person months for 26 AC contractors.

1.2. Administrative and budget issues

Amendment to EC contract

During this third period, an amendment to the contract was necessary to introduce the updated JPA from M24 to M48.

Another amendment introduced a new partner, Technische Universität Berlin (41-TUB), at the date of September 01st, 2007 whereas in the meantime partner 26-STMicroelectronics asked for its termination of participation. Obviously, updated JPA takes into consideration this partnership evolution.

Finally, the financial and administrative coordinator 01-CDC changed its representatives: Mr Albert Péry replaced Mr Olivier Grémont as legal representative, and Mr Jean-François Forté replaced Mr Jean-Noël Forget as Team Leader.

Section 2 - Form C Financial statement per activity for the contractual reporting period

Figures illustrating financial statements per activity and per member are included in Tables 8 and 9 and in Appendix 2 of this Report. It provides the below-given information.

Table 8 – FORMS C AND AUDIT CERTIFICATES SENT TO THE EC

Table 9 - FINANCIAL SUMMARY

Data provided in these Tables are extracted from each Form C sent in by each Contractor. 40 participants were requested to send a Form C. At this date, 38 Forms C have been collected.

It is important to clarify that 38-ACE is expected to provide an audit certificate, but not before January 2008. 38-ACE already transmitted its Form C.

Another point is that 22-PARADES will not provide any period 3 Form C, this partner meeting some problems with the use of the cost model it selected at the beginning of the project. This matter will be fixed next reporting period.

Finally, only one Form C is missing: indeed, 18-CNRS has not provided us with its Form C yet. It should reach us in the next days.

2.1 - Comments

As shown on these two Tables, eligible costs submitted by 38 participating partners (plus 26-STM's adjustments on period 2 cost statement) reaches the amount of € 2,310,207.29. Within this global amount, certified costs (including 38-ACE) represent € 1,501,067.86, i.e. 64.98 % of the submitted costs and 66.44% of the requested contribution (€ 2,259,303.69).

2.2 - Audit Certificates

The Special Clause 39 applies to the ARTIST2 contract. Thus, some partners decided not to provide Audit Certificate for period 3. All ARTIST2 partners have been warned that providing an Audit Certificate will become mandatory at the end of the next period, the last ARTIST2 period, and those Eligible Costs declared engaged during all Reporting Periods should be covered by this audit.

We would like to remind that all the partners sent in both Form C and Audit Certificate at the end of the second Reporting Period.

Section 3 - Summary financial report

Summary Financial Report (SFR) is shown in Appendix 3 of this Report.

Remarks

Remark: as already underlined, at this time, only one has not returned its Form C yet:

- 18-CNRS: in progress;

Remark: besides, one partner will not provide any period 3 cost statement:

- 22-PARADES: cost model issue. This will postpone its P3 cost statement on P4 one.
PARADES all the same provided detailed reporting (see Section 1);

As we are in contact with the partner having not submitted in time its Form C, we are informed that the missing documents should arrive very soon.

As already mentioned here-above, the total amount of Eligible Costs submitted at this date amount to € 2,310,207.29 of which € 1,501,067.86 have been certified.

In this amount, management costs represent – for the third period - € 143,860.69, i.e. 6.23 % of the Eligible Costs duly submitted for Period 3.

Adjustments amount to € 139,600.40. The justification of these costs and the breakdown between direct and indirect adjustments costs have been provided by each partner by e-mails which we will forward to the Commission if necessary. This amount is mainly due to the 26-STM's period 3 cost statement being only an adjustment on rejected previous P2 cost statement (€ 96,238.40).

Conclusion

As a conclusion about the performance of the ARTIST2 Network of Excellence during its third period, it seems that ARTIST2 is in good way to reach its maturity, being today a real virtual lab, having started as a project funded by the Commission, becoming progressively an integrated community of researchers.

This statement can be illustrated by the facts that:

- When comparing time achieved with planned time, it appears that the achieved amount of time (496.54 person months) reaches 144.62% of the number of person months forecast in Annex I for the third period (343.33 person months);
- Eligible costs reach the amount of € 2,310,207.29 for 38 participating partners (plus 26-STM's adjustments on period 2 cost statement). This figure has to be compared as well with the amount distributed, € 1,546,318.00; thus, partners spent 1.49 the amount received, highlighting the leverage effect due to the Community contribution.

APPENDICES

APPENDIX 1: Tables in reference to section 1

Table 1 – OVERALL EFFORTS OF PARTNERS

Table 2 – COMMENTS ON WORK PERFORMED

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Table 7 - PERSON-MONTH STATUS TABLE

Table 7bis - AC: OWN STAFF (Person months)

APPENDIX 2: Table in reference to section 2

Table 8 – FORMS C AND AUDIT CERTIFICATES SENT TO EC

Table 9 - FINANCIAL SUMMARY

APPENDIX 3: Table in reference to section 3

Summary Financial report