



EUROPEAN COMMISSION
RESEARCH DG HUMAN RESOURCES
AND MOBILITY

EXT Periodic Management Report

Project No.: 14265

Project Acronym: CIFIST

Project Full Name: Cosmological Impact of the First Stars

Marie Curie Actions

EXT Periodic Management Report

Period covered: from 01/09/2005 to 31/08/2006

Date of preparation: 16/01/2007

Period number: 1st

Start date of project: 01/09/2005

Date of submission (SESAM):
16/01/2007 11:46:43 CET

Project coordinator name:
Dr. PIERCARLO BONIFACIO

Duration: 48

Project coordinator organisation name:
Observatoire de Paris

Version: 3

Marie Curie Actions
EXT Periodic Management Report

GENERAL INFORMATION

Project No.:	14265
Project acronym:	CIFIST
Project full name:	Cosmological Impact of the First Stars
Period number:	1st
Period covered - start date:	01/09/2005
Period covered - end date:	31/08/2006
Project start date:	01/09/2005
Project duration [months]:	48
Project coordinator name:	Dr. PIERCARLO BONIFACIO
Project coordinator organisation name:	Observatoire de Paris
Date of submission:	16/01/2007

MANAGEMENT REPORT

Please explain, when necessary, the origin and motivations for the costs claimed during the reporting period. In particular, any deviation and/or modification to the initial financial planning of the project should be duly justified.

The majority of the expenses of the Team are related to the salaries, travel allowance and mobility allowance of the Team members. In this respect it was necessary to increase slightly the amounts spent for travel and mobility allowance because all the three Team members are entitled to this treatment, and come from rather remote locations. In additions all three Team members have dependants, which increases the cost of mobility allowance. The major cost is of 767.89 euro for travel allowance and of -4523.04 euro for mobility allowance for a total of 5290.93 euro. This cost was recovered from the "overheads" column.

The Team was foreseen to start off rather slowly and it was expected that in the first year there would be very few new results to report on. Therefore the cost estimated for attending conferences and meetings was of 2000 euro only. Instead the Team had a real "jump start", with lots of new results in this first year and as many as 6 invited talks given by Team members. In addition the presence of a PhD candidate, supervised by a Team member, was very useful and welcome, but not foreseen. This implies that the costs for attending conferences and performing observations have considerably increased for a total of 7080.37 euro. The extra costs were met by using money in the column Management & Audit certification, for which at the end of the year we spent 0 euro.

The Team spent less than planned in computer hardware. The foreseen computer cluster & storage and back-up system was not bought for two main reasons: in the first place we wanted to test the performance of the machine we identified as the prototype cluster node (a bi-opteron) with our radiation hydrodynamics codes; in the second place we wanted a suitable room to host the cluster, conveniently climatised and electrically stabilised. With respect to the first issue we bought a bi-opteron and have been testing it for about six months with satisfactory results. For the second issue we asked the Observatoire to perform a thorough refurbishing and re-cabling (both for the electrical and the computer network) of the building hosting the CIFIST. This work is now underway (the Team offices have been temporarily moved to another building) and by December the Team will dispose of totally refurbished and re-cabled offices and a room will be used as computer room, with a suitable climatisation. Beside the bi-opteron (used as desktop machine by one of the Team members) the Team bought 5 main-stream PCs to be used as desktop machines by the Team members and by the PhD candidate. Three PCs were bought in December 2005, while two more were bought in August 2006, so that when the two new members of the Team arrived they found desktop computers to work with. In total we spent 11612 euro for hardware, rather than 25000 as planned. The expenses for overheads are mainly due to financial charges and indirect costs to support the Team. The total amount of overheads expenses is 20% of the direct costs. The budget of the first year of activity is closed with a net expenditure of 12776.35 euro less than planned. This amount is carried over to the planned budget of next year and is partly put in the column B "travel", to match the predicted expenses, and the remaining is put in the column I "other eligible expenses", in order to allow the Team to use the economies made this year to invest in a more powerful computer cluster. The computer cluster we need is modular and the cost scales almost linearly with the number of nodes. With this money we should be able to buy a cluster (and storage & backup devices) which will allow us to enter in the production phase and use massive computations to produce a grid of 3D model atmospheres of metal-poor stars.

PROJECT DELIVERABLES UPDATE

PROJECT DELIVERABLES UPDATE - PER YEAR

OVERALL INDICATIVE PROJECT DELIVERABLES							
Year	Team leader	Early Stage Researchers (<4 years)		Experienced Researchers (4-10 years)		Experienced Researchers (>10 years)	
	Full-time Person Months	Full-time Person Months	Indicative number of researchers	Full-time Person Months	Indicative number of researchers	Full-time Person Months	Indicative number of researchers
1st	12	12	1	0	0	12	1

OVERALL INDICATIVE PROJECT DELIVERABLES							
Year	Team leader	Early Stage Researchers (<4 years)		Experienced Researchers (4-10 years)		Experienced Researchers (>10 years)	
	Full-time Person Months	Full-time Person Months	Indicative number of researchers	Full-time Person Months	Indicative number of researchers	Full-time Person Months	Indicative number of researchers
2nd	12	24	2	12	1	12	1

PROJECT DELIVERABLES UPDATE - TOTAL FOR ALL YEARS

OVERALL INDICATIVE PROJECT DELIVERABLES						
Team leader	Early Stage Researchers (<4 years)		Experienced Researchers (4-10 years)		Experienced Researchers (>10 years)	
Full-time Person Months	Full-time Person Months	Indicative number of researchers	Full-time Person Months	Indicative number of researchers	Full-time Person Months	Indicative number of researchers
24.0	36.0	3	12.0	1	24.0	2

FINANCIAL PLANNING UPDATE

FINANCIAL PLANNING UPDATE - PER YEAR

OVERALL MAXIMUM COMMUNITY CONTRIBUTION										
Year	Eligible expenses for the activities carried out by the researchers					Eligible expenses related to the activities of the host organisations				Maximum EC contribution [euro]
	Monthly Living Allowance [euro]	Transnational Mobility		Career Exploratory Allowance [euro]	Participation expenses of the eligible researchers [euro]	Research/training/transfer of knowledge [euro]	Management and Audit Certification [euro]	Overheads [euro]	Other types of eligible expenses [euro]	
	Travel Allowance [euro]	Mobility Allowance [euro]								
1st	201756.9	2500	28269	0	0	7080.37	0	50243.654	11612	314081.96
2nd	282951.75	3750	40079.16	0	0	18000	7500	41279.08	47300	428083.64
3rd	2892951.75	3750	40079.16	0	0	20000	7500	71293.58	2500	428072.70
4th	2892951.75	3750	4079.16	0	0	20000	7500	71293.58	2500	428072.70

FINANCIAL PLANNING UPDATE - TOTAL FOR ALL YEARS

OVERALL MAXIMUM COMMUNITY CONTRIBUTION										
Eligible expenses for the activities carried out by the researchers					Eligible expenses related to the activities of the host organisations				Maximum EC contribution [euro]	
Monthly Living Allowance [euro]	Transnational Mobility		Career Exploratory Allowance [euro]	Participation expenses of the eligible researchers [euro]	Research/training/transfer of knowledge [euro]	Management and Audit Certification [euro]	Overheads [euro]	Other types of eligible expenses [euro]		
	Travel Allowance [euro]	Mobility Allowance [euro]								
6270612.15	13750.0	112506.48	0.0	0.0	65080.37	22500.0	234109.89	63912.0	1598311.0	

Attachments	
Name	
Date	
Signature	