



EUROPEAN COMMISSION
RESEARCH DG HUMAN RESOURCES
AND MOBILITY

EXT Periodic Management Report

Project No.: 23878

Project Acronym: FOROT

Project Full Name: 3D Optical Turbulence Forecasts above
Astronomical Sites

Marie Curie Actions

EXT Periodic Management Report

Period covered: from 01/04/2006 to 31/03/2007

Date of preparation: 07/05/2007

Period number: 1st

Start date of project: 01/04/2006

Date of submission (SESAM):
07/05/2007 19:33:43 CET

Project coordinator name:
Prof. Piero Salinari

Duration: 48

Project coordinator organisation name:
INAF - Istituto Nazionale di Astrofisica

Version: 3

Marie Curie Actions
EXT Periodic Management Report

GENERAL INFORMATION

Project No.:	23878
Project acronym:	FOROT
Project full name:	3D Optical Turbulence Forecasts above Astronomical Sites
Period number:	1st
Period covered - start date:	01/04/2006
Period covered - end date:	31/03/2007
Project start date:	01/04/2006
Project duration [months]:	48
Project coordinator name:	Prof. Piero Salinari
Project coordinator organisation name:	INAF - Istituto Nazionale di Astrofisica
Date of submission:	07/05/2007

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.

Expenses related to the first year of activity respect the plan presented and approved by the EC (see Technical Annex). Three Team Members have been appointed during the first year as planned in the program. All members are 'single' therefore the Mobility Allowance is calculated with 500 Euro for month and for researcher for a total of 16384.5 Euro. The total Travel Allowance is equal to 4500 Euro correspondent to Members coming in Italy from Germany, France, Sweden and Canada. The total Mobility Allowance is equal to 167440.91 Euro. The Experience Researcher to be appointed for 1 year (number (4) in the Technical Annex) has been appointed in October 2006. His contract will conclude in October 2007. Part of the expenses related to this position shifts, therefore, in the second year.

Expenses related to the column I (23865.03 Euro):

The durable equipment has been purchased as planned. A PC + monitor for each Team Members has been purchased. A careful investigation has been done with the support Adaptive Group System Manager to optimize the selection of the server/workstation to be purchased. We decided for 2 Workstations Fujitsu Siemens Celsius V830 with an AMD Opteron 280 dual core processor for a total price of 13500 Euro. We could have an extremely advantageous price permitting us to save part of the budget foreseen for these machines. On the other side we bought some storage systems to record results of simulations for 4000 Euro (slightly more than the planned 3000 Euro). These are 2 NAS systems (Qnap NAS TS 401T) with 4 HDD SATA for 500 Gb each for a total of 4 Tb memory available. We also bought one NAS disk of 500 Gb and one spare power supply for 453 Euro. We plan to up-date our system in the next years with further NAS systems to increase our potentiality in recording simulations results. Money saved from the budget reserved for the server/workstation will be used. An UPS system plus a Netgear 8 port with cables to connect the workstation with NAS has been purchased. A HP Laserjet colour 2600N printer has been purchased. A laptop has been ordered but it does not appear in the financial budget of the First Year.

Expenses related to the column G (9606.9 Euro) concerns:

- the contribution for the salary of a person appointed by the Institute to manage the contracts/projects between the Osservatorio Astrofisico di Arcetri and the European Community.

Expenses related to column F (17050.59 Euro) concern:

1. Participation to Conferences and MC Meeting (13 February 2007) (~ 4233 Euro)

The list of conferences attended is reported in the Dissemination Section. We could save money due to an invited talk, 2 support grants and a contribution given by the ARENA Coordination Action for the participation of E. Masciadri and F. Lascaux to the Conference in Roscoff (France).

2. Meeting 13 February 2007 organized by the European Community for EXT Grants

Participants: E. Masciadri

3. Invitation for Seminars (see Teaching and Training section) (~ 162 Euro)

4. Purchased of books & Journal archive (~ 155 Euro)

- Quarterly Journal Royal Meteorologic Society Archives
- Roddier, "Adaptive Optics in Astronomy", Cambridge University Press, 2004
- Stull, "Introduction to boundary layer", Springer, 2001

5. Page charges - Peer-Reviewed Journal (~1280 Euro)

- E. Masciadri & S. Egner, First Seasonal Study of Optical Turbulence with an Atmospheric Model, 2006, PASP, 118, 849, 1604
- K. Geissler & E. Masciadri, Meteorological Parameter Analysis above Dome C Using Data from the European Centre for Medium-Range Weather Forecasts, 2006, PASP, 118, 845, 1048

6. Invitation for interviews (F. Lascaux, S. Hagelin) (~1650 Euro)

7. An image intensifier 100-25/P46/dual/S20Q (~ 9449 Euro) to be replaced (due to a break) in an optical instrument (Generalized Scidar) useful for a follow-up of measurements to be taken at Mt. Graham (Arizona) has been purchased and sent to the Steward Observatory in Arizona (Dr. J. Hill) responsible of the instrument at the Steward Observatory. The site testing activity is fundamental to carry out the FOROT project.

8. Minor expenses aiming to run the Project

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	5	1	16.36	2	0	0
2nd	12	12	1	18.27	2	0	0
3rd	12	12	1	24	2	0	0
4th	12	7	1	24	2	0	0

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
48.0	36.0	4	82.63	8	0.0	0

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	167440.91	4500	16384.5	0.0	0.0	17050.58	9606.9	23884.79	23865.03	262732.71
2nd	220886.00	4500	23832	0.0	0.0	47527.79	0.0	29674.58	0.0	326420.37
3rd	214900.00	2500	23832	0.0	0.0	38686.55	0.0	27991.85	0.0	307910.4
4th	199515.00	2500	23832	0.0	0.0	29657.12	0.0	25550.41	0.0	281054.53

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]							
802741.91	14000.0	87880.5	0.0	0.0	132922.04	9606.9	107101.63	23865.03	1178118.01

Attachments	
Name	
Date	
Signature	