



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 01/04/2007 to 31/03/2008

Date of preparation: 11/06/2008

Period number: 2nd

Start date of project: 01/04/2006

Date of submission (SESAM):
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Project coordinator name:
Prof. Piero Salinari

Duration: 48

Project coordinator organisation name:
INAF - Istituto Nazionale di Astrofisica

Version: 2

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:	2nd
Period covered - start date:	01/04/2007
Period covered - end date:	31/03/2008
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:	04/03/2008

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 second year of activity respect the plan presented in the Technical Annex and the Periodic Activity Report (First Year) approved by the EC. Living, mobility and travel allowances for the Team Leader and the three Team Members appointed during the first year are included in the budget of the second year. The contract of the Experienced Researcher (N°4 in the Technical Annex) has been up-dated for 6 months including mobility and travel allowances up the end of the second year of the Project (31 March 2008). The total Mobility Allowance for the whole Team is 23832 Euro, for the Travel Allowance is 4500 Euro, for the Living Allowance is 214686 Euro.

Expenses related to the column I (~ 8730 Euro):

In the second year we had planned just minor items in this category. A laptop (planned in the Technical Annex), ordered in the first year, appears in the budget of the second year (~ 1842 Euro). A PC of a Team Member had a serious problem and we had therefore to purchase immediately another PC (~ 1194 Euro). A new power supply for the TS 401T NAS system (~ 183 Euro) has been purchased (see Financial Management Report of the first year). The NAS system is mainly used to stock the atmospheric simulations outputs. Contribution derived from the depreciation of equipment purchased on the first year.

Expenses related to the column F (~ 18819 Euro) concern:

1. Participation to Conferences, Workshops and Meeting for all the Team Members (~ 14252 Euro). The list of conferences with relatives participants is reported in the Dissemination Results section (Periodic Activity Report).

2. Invitation for Seminars (see Teaching and Training section)

- 21/2/2007: Carmelo Arcidiacono from Osservatorio Astrofisica di Padova, Italy
- 18/12/2007: Avila Remy, from Universidad Nacional Autonoma de Mexico, Mexico D.F., Mexico

3. Invited Visitor - 1 week: 16-20 July 2007

Patrick Le Moigne from Centre National Recherches Meteorologiques, Toulouse, France (~ 2007 Euro). (see Scientific Highlights section).

4. Three Site Testing Campaigns have been done at Mt. Graham, Arizona, US to carry out measurements of the vertical distribution of the optical turbulence with a Generalized Scidar. The instrument has been placed at the focus of the VATT telescope (2 m size) on the summit of Mt. Graham. Groups of two Team members each participated to each site testing campaign. This is the minimum number of required personnel for such an activity. The costs consisted mainly in travels, car rented, gasoline and daily allowances. Costs for the last mission (end of February 2008) will be included in the budget of the next year.

The Generalized Scidar runs are:

- 25 May - 6 June 2007: (Masciadri, Stoesz)
- 15 - 31 October 2007: (Stoesz, Hagelin)
- 20 February - 5 March 2008: (Stoesz, Lascaux)

GS runs have been completely carried out by ForOT Team Members.

7. 2 kits of thermocouples of the Scientific Campbell have been purchased in the context of the Project (FOROT@DC) that we submitted at the Polar Agencies (IPEV and PNRA) to perform measurements of the optical turbulence at Dome C (~ 1498 Euro) depreciated on a 60 months scale. We refer the reader to the first year Periodic Activity Report for details on this proposal. One thermocouple has been given to our Australian collaborators who are in charge to take care about

testing a new method to measure the vertical distribution of the optical turbulence placing a thermocouple on meteorological balloons. The second thermocouple was planned to be tested here at the Osservatorio Astrofisico di Arcetri by an electronic engineer from the AO group for cross-checking of laboratory tests. We could not carry out this work within this year because the electronic engineer has been full involved in a different activity (with a higher priority) in the AO projects. The plan to cross check results obtained by Australian colleagues mainly aimed to develop a further technical competence at home. Therefore this does not affect the main ForOT goals.

8. The image intensifier, bought on the first year, is depreciated on a 60 months scale.

9. Minor expenses aiming to run the Project complete the budget.

ADJUSTMENT AFTER AUDIT:

- We note that all the equipment described in the Technical Annex has been included Column I by the Audit Agency

- In phase of Audit the costs of missions attributed of the first year is 11545 Euro. The cost attributed of the second year is 14252 Euro. The Audit Agency distributed the cost with respect to the time in which they took place while our declaration in the first year were related to the time in which the money has been used from an Administrative point of view. This does that some arrangement (redistribution of the costs) have been done at the end of the second year.

- In the first year the total cost of equipment (declared in the Technical Annex) had been attributed to the column I. After calculation of the depreciation we re-distributed the costs of column I on the 4 years.

- In the first and second year a slightly inferior stipend has been paid erroneously to the Team Leader.

First Year: - 508.8 Euro in the Living Allowance

Second Year: - 789.97 Euro in the Living Allowance

- 500 Euro in the Travel Allowance

These costs have been placed in the third year

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	24	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	88.36	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	167 440.91	4 500.0	16 384.5	0.0	0.0	17 050.58	9 606.9	23 884.79	23 865.03	262 732.71
2nd	213 185.08	4 000.0	24 032.26	0.0	0.0	16 837.15	496.79	26 927.9	-11 523.8	273 955.38
3rd	215 985.07	5 000.0	23 832.0	0.0	0.0	47 184.98	3 130.47	30 205.2	6 919.53	332 257.26
4th	214 686.6	3 500.0	23 832.0	0.0	0.0	32 128.0	0.0	28 206.62	6 919.53	309 172.74

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]								
811 297.66	17 000.0	88 080.76	0.0	0.0	113 200.71	13 234.16	109 224.52	26 180.29	1 178 118.08	

Attachments	
Name	
Date	
Signature	