PROJECT PERIODIC REPORT

Grant Agreement number: 247597

Project acronym: QUIE2T

Project title: Quantum Information Entanglement-Enabled Technologies

Funding Scheme: Coordination and support action

Date of latest version of Annex I against which the assessment will be made:

Periodic report: 4th

Period covered: from 01/02/2013 to 31/07/2013

Name, title and organisation of the scientific representative of the project's coordinator:

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3.2.3 Project management during the period

Work Package 5 ensures the administrative coordination and management of the project. The following consortium management tasks were carried out during the last reporting period.

Budget Re-Allocation

A second budget re-allocation was agreed upon by partners P1 (IPSAS) and P6 (UOXF.DU) whereas a sum of EUR 5.000,00 is transferred from the total budget of IPSAS to the budget of UOXF.DU. The transferred amount is reserved to cover the costs related to the dissemination and Quantum Envoy activities during the QIPC 2013 conference. No actual money transfer was effectuated; the change in budget will be taken into account at the final distribution of the community contribution.

Development of the project web site

The work to develop and maintain the project web site has been monitored by the coordinator. The project web site is hosted within the umbrella of the qurope.eu web portal and can be found at

http://quie2t.eu/

Annual project review and reports

The third project review of the QUIE²T project took place on 18th of April 2012 in Brussels. WP5 took over the consortium management and ensured that at least one representative of each work package was present at the review, and prepared to deliver a presentation. The overall progress of the project was certified to be good, with most of its objectives and technical goals achieved. Before that, the Third Year Activity and Management Reports were assembled and written by WP5.

Contract amendment

After long discussions and negotiations, it was decided to request another amendment in order to include ETH Zurich as another partner to the project consortium. ETHZ had been the organizer of the first QUIE²T conference, in order to avoid the same problems as for the Florence conference, it was decided to include ETHZ as well. The big complication in this case was that the conference had taken place already two years earlier, so the requested changes, together with the corresponding budget changes and cost claims, had to be implemented retro-actively.

The requested amendment includes the following major changes:

- Add new beneficiary ETHZ (partner P8).
- Add four person months for ETHZ (taken from the conference budget).
- Adapt the budget distribution to reflect the re-allocation between partners P1 and P8.
- Added a paragraph about supporting the Quantum Envoy event 'Quo vadis Quantum Hybridium'.

At the time of this writing, the amendment request is still pending.

Change of Project Officer

On 1.7.2013 Mr. Ivica Cubic replaced Mr. Matteo Mascagni as the Project Officer responsible for monitoring the QUIE²T project. The information was distributed to all project partners.

List of project meetings, dates and venues

- Third QUIE²T review, Brussels, March 14th, 2013. Present QUIE²T members: D. Binosi, V. Buzek, P. Grangier, J. Nunn, K. Pruvost, L. Theussl, R. Thew and C. Zeques.
- QIPC'13, July 4th, 2013. Present QUIE²T members: T. Calarco, F. Cataliotti, N. Gisin, P. Grangier, K. Pruvost, L.Theussl, R. Thew.

Project planning and status

No deviations are expected from the new work plan, as laid out in the amended version of the Description of Work, until the end of the project.

3.3 Deliverables and milestones tables

Deliverables

The deliverables due in this reporting period, as indicated in Annex I to the Grant Agreement have been submitted by the responsible participants (as indicated in Annex I), and then approved and published by the Coordinator. All deliverables of this project are of public nature, they have been made available for download at the project web site for each work package, in particular:

WP1: http://qurope.eu/projects/quie2t/wp2/deliverables
WP3: http://qurope.eu/projects/quie2t/wp3/deliverables
WP4: http://qurope.eu/projects/quie2t/wp4/deliverables
WP5: http://qurope.eu/projects/quie2t/wp5/deliverables

The following table is cumulative, that is, it shows all deliverables from the beginning of the project up to the end of the forth reporting period.

TABLE 1. DELIVERABLES

Del. no.	Deliverable name	Version	WP no.	Lead beneficiary	Nature ¹	Dissemination level ²	Delivery date from Annex I (project month)	Actual / Forecast delivery date Dd/mm/yyyy	Status No submitted/ Submitted	Contractual Yes/No	Comments
D1.1.1	Community survey on relevant database material		WP1	UNIGE	О	PU	3	31/05/2010	Y	Y	
D1.1.2	Concept of data collection and presentation		WP1	UNIGE	O	PU	6	31/03/2010	Y	Y	
D1.2.1	Mid-term database update		WP1	UNIGE	О	PU	18	01/06/2011	Y	Y	
D1.2.2	Final Report with a presentation of collected and analyzed data		WP1	UNIGE	R	PU	36	31/01/2013	Y	Y	

 $\mathbf{O} = \mathbf{Other}$

 $\mathbf{R} = \text{Report}$

 $\mathbf{PU} = \mathbf{Public}$

PP = Restricted to other programme participants (including the Commission Services).

RE = Restricted to a group specified by the consortium (including the Commission Services).

CO = Confidential, only for members of the consortium (including the Commission Services).

Make sure that you are using the correct following label when your project has classified deliverables.

EU restricted = Classified with the mention of the classification level restricted "EU Restricted"

EU confidential = Classified with the mention of the classification level confidential " EU Confidential "

EU secret = Classified with the mention of the classification level secret "EU Secret "

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D1.3.1	Organization of a special Industry Session at a big QIPC conference	WP1	UNIGE	О	PU	36	07/09/2011	Y	Y	
D1.3.2	Final report on industry contacts and creation of synergies	WP1	UNIGE	R	PU	36	31/01/2013	Y	Y	
D2.1.1	Virtual Institutes Experts	WP2	UULM	О	PU	4	01/09/2010	Y	Y	
D2.2.1	QIPC Strategic Report and Quantum Information Classification Scheme updates	WP2	UULM	О	PU	18	01/07/2010 01/10/2011	Y	Y	Strategic Report delivered already in period 1.
D2.2.2	QIPC Strategic Report and Quantum Information Classification Scheme updates	WP2	UULM	0	PU	36	15/02/2013	Y	Y	
D2.3.1	Preliminary evaluation tools and analysis of the QIPC virtual observatory	WP2	UULM	О	PU	8	01/01/2012	Y	Y	
D2.3.2	Additional evaluation tools and analysis of the QIPC Virtual Observatory	WP2	UULM	О	PU	24	28/10/2012	Y	Y	
D2.4.1	White paper for sustainability	WP2	UULM	О	PU	12	20/05/2011	Y	Y	

D3.1.1	Definition of an information exchange concept	WP3	UOXF.DU	О	PU	3	31/03/2010	Y	Y	
D3.2.1	Operational web site with basic interactive features	WP3	UOXF.DU	О	PU	6	01/02/2010	Y	Y	
D3.2.2	Setup of an initial infrastructure for data collection	WP3	UOXF.DU	О	PU	6	01/02/2010	Y	Y	
D3.2.3	Mid-term web site update with integration of new features	WP3	UOXF.DU	О	PU	18	01/08/2011	Y	Y	
D3.3.1	Integration of the QUROPE databases into the project web site	WP3	UOXF.DU	О	PU	12	31/03/2010	Y	Y	
D3.4.1	Presentation of a project logo	WP3	UOXF.DU	О	PU	1	28/02/2010	Y	Y	
D3.4.2	Project flyer and press release	WP3	UOXF.DU	О	PU	6	04/05/2011	Y	Y	
D3.4.3	PR and dissemination concept	WP3	UOXF.DU	О	PU	6	30/08/2010	Y	Y	
D3.4.4	Report on the documentary movie production and final presentation	WP3	UOXF.DU	R	PU	24	01/02/2012	Y	Y	
D3.4.5	Final report on dissemination activities	WP3	UOXF.DU	R	PU	36	31/01/2013	Y	Y	
D3.4.6	Report on additional dissemination work	WP3	UOXF.DU	R	PU	42	30/07/2013	Y	Y	

D3.5.1	Report on the first year Quantum Envoy activities	WP3	UOXF.DU	R	PU	12	31/01/2011	Y	Y	
D3.5.2	Report on the second year Quantum Envoy activities	WP3	UOXF.DU	R	PU	24	01/02/2012	Y	Y	
D3.5.3	Final report on Quantum Envoy activities	WP3	UOXF.DU	R	PU	36	31/01/2013	Y	Y	
D3.6.1	Setup of a Scientific Discussion Forum	WP3	UOXF.DU	О	PU	12	31/03/2010	Y	Y	
D3.6.2	Database of introductory and overview material	WP3	UOXF.DU	О	PU	24	01/02/2012	Y	Y	
D4.1.1	Organization of the first QUIE ² T International Conference	WP4	ІОТА	О	PU	12	5-9/09/2011	Y	Y	
D4.1.2	Organization of the second QUIE ² T International Conference	WP4	UNIFI	О	PU	42	05/06/2013	Y	Y	
D4.2.1	2011 QIPC Young Investigator Award	WP4	IOTA	О	PU	12	5-9/09/2011	Y	Y	
D4.2.2	2013 QIPC Young Investigator Award	WP4	IOTA	О	PU	42	04/06/2013	Y	Y	
D5.1.1	Setup of the Coordination Steering Committee	WP5	IPSAS	О	PU	2	30/03/2010	Y	Y	
D5.1.2	First Year Activity Report	WP5	IPSAS	R	PU	12	30/03/2011	Y	Y	

D5.1.3	Second Year Activity Report	WP5	IPSAS	R	PU	24	01/02/2012	Y	Y	
D5.1.4	Final Management Report	WP5	IPSAS	R	PU	42	31/07/2013	Y	Y	
D5.1.5	Final Activity report and plan for using and dissemination of knowledge	WP5	IPSAS	R	PU	42	31/07/2013	Y	Y	
D5.1.6	Final report on the distribution of the financial community contribution	WP5	IPSAS	R	PU	42	31/07/2013	Y	Y	

Milestones

The milestones as specified in Annex I to the Grant Agreement.

The following table is cumulative, *i.e.* it shows all milestones from the beginning of the project up to the end of the forth reporting period.

TABLE 2. MILESTONES								
Milestone no.	Milestone name	Work package no	Lead beneficiary	Delivery date from Annex I dd/mm/yyyy	Achieved Yes/No	Actual achievement date dd/mm/yyyy	Comments	
1	Establishment of Virtual Institutes and Nomination of Directors	WP2	UULM	31/05/2010	Y	31/05/2010		
2	Definition of an Information Exchange Concept	WP3	UOXF	31/05/2010	Y	31/05/2010		
3	Concept of Data Collection and Presentation	WP1	UNIGE	31/08/2010	Y	31/03/2010		
4	Organization of a first QUIE ² T International Conference	WP4	IOTA	31/01/2011	Y	09/09/2011		
5	White Paper for Sustainability	WP2	UULM	31/01/2011	Y	20/05/2011		
6	First Year Activity Report	WP5	IPSAS	31/01/2011	Y	31/03/2011		
7	Second Year Activity Report	WP5	IPSAS	01/02/2012	Y	31/02/2012		
8	Final Management Report	WP5	IPSAS	31/07/2013	Y	31/07/2013		