



A. GENERAL INFORMATION

Please send this report duly completed and signed to your National Agency at the latest by the date stated in the grant agreement. Refer to the website of your National Agency for a link to the detailed self-calculating (excel) financial tables. Once this report and the supporting documents are submitted and approved, the National Agency will pay the second pre-financing payment.


B. SUBMISSION

Programme	LIFELONG LEARNING PROGRAMME
Sub-programme	LEONARDO DA VINCI
Action type	TRANSFER OF INNOVATION
Action	LEONARDO DA VINCI Transfer of innovation
Call	2013
Project duration (months)	24 months
Report Type	INTERIM (Interim)

B.1. PERIOD COVERED BY THE REPORT

From (dd-mm-yyyy)	01-10-2013
To (dd-mm-yyyy)	30-09-2014

B.2. PROJECT IDENTIFIERS

Grant agreement no.	2013-1-BG1-LE005-08711
Grant agreement period start (dd-mm-yyyy)	01-10-2013
Grant agreement period end (dd-mm-yyyy)	30-09-2015
Project title	Osteosynthesis for Surgical Management of Fractures for Orthopedic Surgeons and Biomedical Engineers
National Id	
Beneficiary name	Technical University of Sofia, BG - BULGARIA
Beneficiary legal representative	Marin Hristov
Submission id	1189772
Form hash code	 F8053A3A9B3DA4F0



B.3. NATIONAL AGENCY

Identification

BG1 LLP (HRDC)

Postal address

Bulgaria, 1000 Sofia, 15 Graf Ignatiev Str., fl. 3 phone: +359 2 9155010

Email address

info@hrdc.bg

Helpdesk

apetrov@hrdc.bg

Website

<http://www.hrdc.bg>



C. IDENTIFICATION OF THE BENEFICIARY

C.1. BENEFICIARY ORGANISATION

Partner number	PO
Role	Applicant co-ordinator (CO-APP)
Full legal name (national language)	Технически университет София
Full legal name (latin characters)	Technical University of Sofia
Acronym	TUS
National id (if requested by the NA)	
Type of organisation	University or higher education institution (tertiary level) (EDU-UNIV)
Commercial orientation	Not for Profit (NP)
Scope	national (N)
Legal status	public (PB)
Economic sector	P85.4 - Higher education
Size (staff)	staff 2.001 to 5.000
Legal address	8 Kliment Ohridski blvd.
Postal code	1000
City	Sofia
Country	BG - BULGARIA
Region	BG41 - Yugozapaden
Telephone 1	
Telephone 2	
Fax	
Email	rector@tu-sofia.bg
Website	www.tu-sofia.bg



C.1.1. CONTACT PERSON

Title	Professor
First name	Slavka
Family name	Tzanova
Department	
Position	Head of Laboratory
Work address	8 Kliment Ohridski blvd.
Postal code	1000
City	Sofia
Country	BG - BULGARIA
Telephone 1	+3592 9652589
Telephone 2	
Mobile	+359 887775405
Fax	+3592 9653059
Email	slavka@ecad.tu-sofia.bg



C.1.2. PERSON AUTHORISED TO SIGN FOR THE ORGANISATION

Title	Professor
First name	Marin
Family name	Hristov
Organisation	
Department	
Position	Rector
Work address	8 Kliment Ohridski blvd.
Postal code	1000
City	Sofia
Country	BG - BULGARIA
Telephone 1	+359-2-9652450
Telephone 2	
Mobile	
Fax	
Email	rector@tu-sofia.bg



D. IDENTIFICATION OF THE PARTNERS

D.1. PARTNER ORGANISATION

Partner number	P1
Role	Core partner (PA-CORE)
Full legal name (national language)	Instituto de Biomecanica de Valencia
Full legal name (latin characters)	Instituto de Biomecanica de Valencia
Acronym	IBV
National id (if requested by the NA)	G96361555
Type of organisation	Research centres and bodies (RES)
Commercial orientation	Not for Profit (NP)
Scope	national (N)
Legal status	private (PR)
Economic sector	M72 - Scientific research and development
Size (staff)	staff 51 to 250
Legal address	Universitat Politècnica de Valencia, Edificio 9 C; Camino de Vera S/N
Postal code	46022
City	Valencia
Country	ES - SPAIN
Region	ES52 - Comunidad Valenciana
Telephone 1	+ 34 96 387 91 60
Telephone 2	
Fax	+34 96 387 91 69
Email	otri@ibv.upv.es
Website	http://www.ibv.org



D.1.1. CONTACT PERSON

Title	Dr.
First name	Carlos
Family name	Atienza
Department	Development Market Area
Position	Healthcare Technology Area Director
Work address	Universitat Politècnica de Valencia, Edificio 9 C; Camino de Vera S/N
Postal code	46022
City	Valencia
Country	ES - SPAIN
Telephone 1	+ 34 96 387 91 60
Telephone 2	
Mobile	
Fax	+34 96 387 91 69
Email	otri@ibv.upv.es



D.2. PARTNER ORGANISATION

Partner number	P2
Role	Core partner (PA-CORE)
Full legal name (national language)	Медицински университет - Пловдив
Full legal name (latin characters)	Medical Univesrity Plovdiv
Acronym	MUP
National id (if requested by the NA)	
Type of organisation	University or higher education institution (tertiary level) (EDU-UNIV)
Commercial orientation	Not for Profit (NP)
Scope	national (N)
Legal status	public (PB)
Economic sector	Q86 - Human health activities
Size (staff)	staff 2.001 to 5.000
Legal address	15 A Vassil Aprilov Street
Postal code	4002
City	Plovdiv
Country	BG - BULGARIA
Region	BG42 - Yuzhen tsentralen
Telephone 1	+359-32-6021
Telephone 2	
Fax	
Email	rector@meduniversity-plovdiv.bg
Website	http://meduniversity-plovdiv.bg/



D.2.1. CONTACT PERSON

Title	Dr.
First name	Keti
Family name	Tokmakova
Department	Orthopaedics and Traumatology
Position	Assistant Professor
Work address	66 Peshtersko Shose
Postal code	4002
City	Plovdiv
Country	BG - BULGARIA
Telephone 1	+359-32-264170
Telephone 2	
Mobile	+359-888305097
Fax	
Email	ketitoo@yahoo.com



D.3. PARTNER ORGANISATION

Partner number

P3

Role

Core partner (PA-CORE)

Full legal name (national language)

Ορθοπαιδική Κλινική Πανεπιστημίου Θεσσαλίας

Full legal name (latin characters)

Department of Orthopaedic Surgery and Traumatology of University of Thessalia

Acronym

DOS

National id (if requested by the NA)

Type of organisation

University or higher education institution (tertiary level) (EDU-UNIV)

Commercial orientation

Not for Profit (NP)

Scope

national (N)

Legal status

public (PB)

Economic sector

Q86 - Human health activities

Size (staff)

staff 1 to 20

Legal address

Department of Orthopaedic Surgery, Medical School, Biopolis

Postal code

41110

City

Larissa

Country

EL - GREECE

Region

GR14 - Thessalia

Telephone 1

+30-2413-501199

Telephone 2

+30-2413-502722

Fax

+30-2413-501011

Email

gonela@uth.gr

Website

www.ortho-uth.org



D.3.1. CONTACT PERSON

Title	Dr.
First name	Zoe
Family name	Dailiana
Department	Department of Orthopaedic Surgery and Traumatology of University of Thessalia
Position	Associate Professor
Work address	Department of Orthopaedic Surgery, Medical School, Biopolis
Postal code	41110
City	Larissa
Country	EL - GREECE
Telephone 1	+30-2413-501199
Telephone 2	+30-2410-250271
Mobile	+30-6973-303001
Fax	+30-2410-250272
Email	dailiana@med.uth.gr



E. CONSORTIUM

Are there any changes to the initial consortium or in the distribution of tasks and Budget amongst partners?

Note: changes to the consortium or substantial changes in the allocation of tasks require an amendment of the grant agreement.

No

E.1. CONSORTIUM MEETINGS

Send the minutes of the consortium meetings with the duly signed paper version of this report and do not forget to list them in section Annexes to the Report.

No.	1
Title	Kick-off meeting
Place (country)	BG - BULGARIA
Place (city)	Sofia
Date (dd-mm-yyyy)	12-11-2013
Partners not attending (explain the reasons)	
No.	2
Title	Meeting for need analysis
Place (country)	ES - SPAIN
Place (city)	Valencia
Date (dd-mm-yyyy)	13-03-2014
Partners not attending (explain the reasons)	
No.	3
Title	Meeting for evaluation of e-learning materials
Place (country)	EL - GREECE
Place (city)	Larissa
Date (dd-mm-yyyy)	16-10-2014
Partners not attending (explain the reasons)	



F. WORK PROGRAMME

Please summarise in this section the past/future activities of your project, in order to provide a correct assessment on current progress.

F.1. PAST ACTIVITIES

Please describe the past activities undertaken.

All tasks planned in the proposal for the first project year have been carried out. Concerning the management (WP1), two meetings have been organized and one in October 2014. On the 12-13/11/2013, at Sofia the definition of the Project Steering Committee and the four Work Groups was done and the project activities were specified with the involvement of the representatives of the target groups. The instructional design was discussed in detail. The second meeting held in Valencia (13-14/03/2014) resulted in the clarification of the need analysis (WP2). On 3/10/2013 the project coordinator and the accountant in chief of TUS participated on the training seminar of the Bulgarian National Agency. The past activities on the different workpackages:

Need analysis and learning outcomes definition (WP2);

Study of previous project results – learning materials selection and adaptation done (WP3);

The existing pedagogical material has been adapted to the Greek and Bulgarian national contexts and translated into Bulgarian and Greek (WP4). The prototypes of the Bulgarian, Greek and English versions of all modules, have been developed and are to be uploaded onto the Internet learning platform till the end of December 2014.

Evaluation: peer review of need analysis reports during the second Project Steering Committee (PSC) meeting (WP4). In Larissa design walk-through of the prototypes of e-learning materials was done. For the quality assurance of the project, an external evaluator has been contracted and she participated in the first project meeting and in the third for the interim results reporting (WP4).

The dissemination (WP6) started with the creation of the project web page and project logo. Web pages in Greek and Spanish were developed on the servers of DOS and IBV. Publications in Greek newspaper Eleftheria, presentations at three European conferences in the sector of orthopaedy and on the IVB on-line news were done.

Indicate which work packages had to be changed compared with the original planning in your application and briefly explain the reasons.

What is the estimated percentage(%) of work completed?

60%

F.2. FUTURE ACTIVITIES

Please describe the future activities.

Three international project meetings will be held: one in Larissa in October 2014, one in Valencia and the last one in Plovdiv. The prototypes of the e-learning materials will be tested through design walk-through and usability test during the meeting in Larissa.

The learning materials should be ready on-line by the end of December 2014 and they will be evaluated through usability test by the trainees during the pilot test with a minimum of 15 trainees. Then a larger field trial with a minimum of 60 trainees will be done in Bulgaria and Greece. The external evaluator will report her findings and conclusions on the quality assurance of the project activities and deliverables in the final evaluation report.

The dissemination will continue with the update of the project Web page, new presentations on conferences for attaining larger audience in the target sectors, a demo CD/DVD will also be developed and recorded, and a brochure will be produced in all the partner languages. The project will end with an exploitation agreement defining the rules and methods of use of adapted training courses for insuring the sustainability of the project results and with an open dissemination workshop in Plovdiv



Indicate changes to planned activities which you expect in the future and briefly explain the reasons (please bear in mind that certain changes might require an amendment request and subsequent approval. In case of doubt contact your National Agency).



F.3. RESULTS AND WORK PACKAGES

Please describe in this section the results achieved so far and the progress made on the corresponding working packages.

Note: In case of tangible results/products send with the duly signed paper version of this Interim Report two copies of each tangible result/product showing its current stage of development. Also do not forget to list these tangible results/products in section Annexes to the Report.

Where possible, electronic copies should be provided rather than hard copies (CDROM, links to websites). When applicable include also login and password details.

F.3.1. RESULTS

No.	1
Result/Product title	Interim report
Result/Product description	An intermediate report has been written for the National Agency documenting progress to date. A final report will be written at the end of the project in 2015.
How does the Result/Product contribute to achieve the project objective/s	It ensures the quality and timeliness of the project.
Deviations from initial proposal or subsequent amendments, including reasons for change	
Result/Product Type	Report (PR01)
Target group(s) / potential beneficiaries	Project partners and their institutions, Bulgarian NA and NAs of participating countries, EACEA. VET providers in Europe, hospitals and designers of implants.
Target sector	Healthcare and engineering, VET and HE
Result/Product language/s	EN - English
Medium used	Text (TXT)
Availability date (dd-mm-yyyy)	31-10-2014
Number of copies (if applicable)	
Evaluation type and testing (if applicable)	
Where, when and how the evaluation and testing were carried out (e.g. scope, method, tools, sample, etc.)?	The Bulgarian National Agency will evaluate the quality of the report.
Findings, conclusions and lessons of evaluation and testing	The National Agency will give any comments once they have processed the report.
Was the result/product/process modified respectively adapted after evaluation and testing?	The second half of the project will keep in mind any comments from the National Agency.
Involved partners	All beneficiaries.



No.	2
Result/Product title	Need analysis report
Result/Product description	Report containing: - results of job and/or domain analysis for medical and engineering staff; - conclusions on the necessary VET programmes for re-training the professionals in the sector and defined learning outcomes for the course modules.
How does the Result/Product contribute to achieve the project objective/s	With this result the first project objective was achieved.
Deviations from initial proposal or subsequent amendments, including reasons for change	
Result/Product Type	Report (PR01)
Target group(s) / potential beneficiaries	Surgeons and residents in orthopaedics, engineers to be trained in biomechanical engineering.
Target sector	Healthcare and engineering
Result/Product language/s	EN - English
Medium used	Text (TXT)
Availability date (dd-mm-yyyy)	28-02-2014
Number of copies (if applicable)	
Evaluation type and testing (if applicable)	Peer review
Where, when and how the evaluation and testing were carried out (e.g. scope, method, tools, sample, etc.)?	Peer review of need analysis reports of all partner institutions during the second project meeting.
Findings, conclusions and lessons of evaluation and testing	The needs of a delivery of the planned training were confirmed but because of intellectual property rights the learning environment of the transferred project Osteoform could not be used and a new one has to be developed.
Was the result/product/process modified respectively adapted after evaluation and testing?	A report presenting the results of the survey and the analysis in each country and in the two sector was done.
Involved partners	All



No.		3
Result/Product title	Adapted e-learning courses	
Result/Product description	Site: http://campus.ibv.org/ Username: juango Password: orthobiomed e-learning courses: "Biomechanical analysis of bone in terms of its structure", "Biomechanical fracture study", "Skeletal adaptation to functional stimuli", "Surgical fracture repair", "Principles of Surgical Treatment of Fractures", "Errors in Osteosynthesis", "New tendencies in Orthopaedic Surgery and Traumatology"	
How does the Result/Product contribute to achieve the project objective/s	These results contribute to the attainment of the second project objective and partially to the third project objective which achievement will be full after the implementation (field trial) of the training courses.	
Deviations from initial proposal or subsequent amendments, including reasons for change		
Result/Product Type	Online education and training material (e-learning) (PR16)	
Target group(s) / potential beneficiaries	Surgeons and residents in orthopaedics, engineers to be trained in biomechanical engineering.	
Target sector	Healthcare and engineering	
Result/Product language/s	<div>BG - Bulgarian</div> <div>EL - Greek</div> <div>EN - English</div>	
Medium used	Website (WEB)	
Availability date (dd-mm-yyyy)	23-12-2014	
Number of copies (if applicable)		
Evaluation type and testing (if applicable)		
Where, when and how the evaluation and testing were carried out (e.g. scope, method, tools, sample, etc.)?	Design walkthrough during the next meeting in Larissa in October will be done.	
Findings, conclusions and lessons of evaluation and testing	Although this meeting was after the reporting period we can report the results of the evaluation of first prototypes: pre- and post-tests are very good; the interactive exercises were also positively evaluated; the main content in text form in pdf files was considered as non-interactive but this is the result of the transferred project; there were some problems with the visibility of pdf files in the Windows Explorer although working in the other browsers.	
Was the result/product/process modified respectively adapted after evaluation and testing?	The problem with the different browsers should be solved by the end of 2014 when all e-learning materials should be ready.	
Involved partners	IBV, MUP, TUS, DOS	



No.	4
Result/Product title	Evaluation reports
Result/Product description	Evaluation reports, recommendations for improvements. These reports were oral during the project meetings and the conclusions are included in the minutes of the meeting.
How does the Result/Product contribute to achieve the project objective/s	The evaluation contribute to the achievement of all project objectives.
Deviations from initial proposal or subsequent amendments, including reasons for change	
Result/Product Type	Report (PR01)
Target group(s) / potential beneficiaries	Surgeons and residents in orthopaedics, engineers to be trained in biomechanical engineering; teachers, management of participating institutions, NAs.
Target sector	Healthcare, engineering, VET
Result/Product language/s	EN - English
Medium used	Oral (OR)
Availability date (dd-mm-yyyy)	30-09-2015
Number of copies (if applicable)	
Evaluation type and testing (if applicable)	
Where, when and how the evaluation and testing were carried out (e.g. scope, method, tools, sample, etc.)?	The evaluation of the evaluation was carried out during the project meetings by the project partners and the users participating in the meetings, e.g. the findings that some files were not visible in the e-learning environment were tested by the other partners with an usability test of the environment.
Findings, conclusions and lessons of evaluation and testing	The conclusions were that there is a problem with some browsers and with the protections on some computers.
Was the result/product/process modified respectively adapted after evaluation and testing?	The problem will be solved till the deadline for the e-learning materials development - December 2014.
Involved partners	All



No.	5
Result/Product title	Valorisation materials: project Web site, publications
Result/Product description	<p>Web page with project objectives, partners, planned activities, training seminars, workshops, minutes of the meetings, project results: http://telearn.tu-sofia.bg/OrthoBioMed/.</p> <p>Project Web pages developed in Greek (http://www.uth.gr/genannounce/2109-20140318-orthobiomed) and Spanish (http://orthobiomed.ibv.org).</p> <p>Publication in the Greek press - the ewspaper Eleftheria: http://www.eleftheria.gr/index.asp?cat=27&aid=81841#.VEQ02L7tUmk .</p> <p>Publications on three European conferences:</p> <p>Dissemination of project activities done in the Spanish newsletter: http://tecnologia-sanitaria.ibv.org/index.php/es/proyecto/show_proyect/10/347</p> <p>News item in the Interempresas web: http://www.interempresas.net/Medico-hospitalario/Articulos/114089-EL-IBV-participara-en-3-nuevos-proyectos-de-formacion-financiados-por-la-Comision-Europea.html</p> <p>Papers and posters presented at 4 European conferences: IVth National Conference of Bulgarian Society for Surgery of the Hand with International Participation, Veliko Tarnovo, Bulgaria, April 24-27, 2014;</p> <p>XIXth FESSH Meeting (Meeting of the Federation of European societies for surgery of the hand), Paris, France, June 18-21, 2014;</p> <p>EFSM XIIth Congress (Congress of the European federation of societies for microsurgery), Barcelona, Spain, April 3-5, 2014;</p> <p>13th International Academic Conference of IISES, Antibes, France, 15 April 2014.</p>
How does the Result/Product contribute to achieve the project objective/s	These results would contribute to find new users of project outcomes and to the sustainability of the project.
Deviations from initial proposal or subsequent amendments, including reasons for change	
Result/Product Type	Other (OTH)
Target group(s) / potential beneficiaries	Surgeons and residents in orthopaedics, engineers to be trained in biomechanical engineering; teachers, management of participating institutions, Bulgarian NA and NAs of participating countries, EACEA. VET providers in Europe, hospitals and designers of implants.
Target sector	Healthcare and engineering, HE and VET
Result/Product language/s	<div>BG - Bulgarian</div> <div>EL - Greek</div> <div>ES - Spanish</div> <div>EN - English</div>
Medium used	<div>Website (WEB)</div> <div>Publications (PUB)</div>



	Press (PRSS)
Availability date (dd-mm-yyyy)	30-09-2015
Number of copies (if applicable)	
Evaluation type and testing (if applicable)	Peer review
Where, when and how the evaluation and testing were carried out (e.g. scope, method, tools, sample, etc.)?	Peer review of Web pages during the meeting in Valencia. Feedback from the conference participants on the work in progress.
Findings, conclusions and lessons of evaluation and testing	First, instead of Web pages in Spanish and Greek there was just a link to the project Web site. Information on the project objectives and activities and results should be presented.
Was the result/product/process modified respectively adapted after evaluation and testing?	Improved/new Webpages ion Spanish and Greek.
Involved partners	All



F.3.2. WORK PACKAGES

Please describe the progress of the working packages and related results.

Note: For completed results you do not need to fill in work package boxes, only the result boxes above.

Work package no.	1	
Work package title	Managment	
Actual start date (dd-mm-yyyy)	01-10-2013	
Planned end date (dd-mm-yyyy)	30-09-2015	
Package leader	TUS	
Partners participating in the work package	MUP, DOS, IBV	
Work package progress description	Monitoring of the project progress, communicating with partners and the National Agency, and distributing the budget to all the project partners, reporting. User needs have been defined and learning outcomes for the Competence matrix defined. Course contents have been adapted/designed and prototypes have been tested and the feedback has been used to develop proceeding modules. The project website has been created and Web pages on partners' servers and in their languages developed. A platform has also been set up and the courses are being uploaded. An external examiner has been contracted. Two international meetings have taken place, and the third for evaluation of intermediate results will be held in October.	
Methodological/pedagogical framework (if applicable)		
Deviations from initial proposal or subsequent amendments, including change reasons		
Result to which this work package has contributed		
Result No.	Result/Product title	
1	Interim report	
2	Need analysis report	
3	Adapted e-learning courses	
4	Evaluation reports	
5	Valorisation materials: project Web site, publications	

Work package no.	2	
Work package title	Need analysis	
Actual start date (dd-mm-yyyy)	01-10-2013	
Planned end date (dd-mm-yyyy)	28-02-2015	
Package leader	MUP	
Partners participating in the work package	TUS, DOS, IBV	
Work package progress description	IBV adapted the questionnaires from transferred project and a survey on the need analysis was done in Bulgaria and Greece. TUS performed the need analysis	



	of engineers from different specialisations to be re-trained for biomedical engineering and reported the result during the second PSC meeting. MUP and DOS performed a survey with the residents and orthopaedic surgeons in Bulgaria and Greece for training in new technics for osteosynthesis, management of fractures using implants, postoperative complications, requirements for implants design. MUP and TUS prepared the common need analysis report after the peer review of each partner report. Learning outcomes for surgeons' and biomechanical engineers' courses have been defined.
Methodological/pedagogical framework (if applicable)	Techniques used: survey with an on-line questionnaire and interviews
Deviations from initial proposal or subsequent amendments, including change reasons	
Result to which this work package has contributed	
Result No.	Result/Product title
2	Need analysis report

Work package no.	3
Work package title	eLearning materials adaptation
Actual start date (dd-mm-yyyy)	03-03-2014
Planned end date (dd-mm-yyyy)	23-12-2014
Package leader	TUS
Partners participating in the work package	IBV, MUP, DOS
Work package progress description	All course modules were translated and adapted to needs of Bulgarian and Greek partners by DOS, MUP and TUS. The contents are published on the project Web page in section Results. The new learning environment was developed because of possible intellectual properties problems with the partners from the previous project. The English versions of the courses are available. The Bulgarian and Greek courses will be ready by the end of 2014. http://campus.ibv.org/ Username: juango Password: orthobiomed
Methodological/pedagogical framework (if applicable)	Courses with pre- and post-tests and interactive exercises.
Deviations from initial proposal or subsequent amendments, including change reasons	
Result to which this work package has contributed	
Result No.	Result/Product title
3	Adapted e-learning courses

Work package no.	4
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Work package title	Evaluation
Actual start date (dd-mm-yyyy)	01-10-2013
Planned end date (dd-mm-yyyy)	31-10-2015
Package leader	IBV
Partners participating in the work package	TUS, MUP, DOS
Work package progress description	<p>IBV – coordination of evaluation activities, monitoring the quality assurance and evaluation implementation, preparation and organisation of workshop for need analysis in Valencia;</p> <p>TUS – contract with external evaluator; preparation of the project audit documents; pilot test planning with engineers in Bulgaria;</p> <p>MUP – pilot test planning with residents and surgeons in Bulgaria;</p> <p>DOS – preparation and organisation of a workshop for evaluation of learning environment and pilot test planning in Larissa;</p> <p>All partners are involved in all evaluation activities and TUS, DOS and MUP will perform the pilot test.</p> <p>Subcontracted external evaluator is performing the on-going project quality assurance, analysis of results and will prepare the final evaluation report.</p>
Methodological/pedagogical framework (if applicable)	Peer review of need analysis and course contents; design walkthrough of e-learning materials and on-line dissemination on the Web.
Deviations from initial proposal or subsequent amendments, including change reasons	
Result to which this work package has contributed	
Result No.	Result/Product title
4	Evaluation reports

Work package no.	5
Work package title	Dissemination
Actual start date (dd-mm-yyyy)	01-10-2013
Planned end date (dd-mm-yyyy)	30-09-2015
Package leader	MUP
Partners participating in the work package	TUS, DOS, IBV
Work package progress description	<p>Project Web page developed and regularly updated with the new results, news etc. : http://telearn.tu-sofia.bg/OrthoBioMed/.</p> <p>Project Web pages developed in Greek (http://www.uth.gr/genannounce/2109-20140318-orthobiomed) and Spanish (http://orthobiomed.ibv.org).</p> <p>Information on project activities and the collaboration between DOS and the other partners published in the Greek newspaper Eleftheria: http://www.eleftheria.gr/index.asp?cat=27&aid=81841#.VEQ02L7tUmk</p> <p>Dissemination of project activities done in the Spanish newsletter: http://tecnologia-sanitaria.ibv.org/index.php/es/proyecto/show_proyecto/10/347</p> <p>News item in the Interempresas web are published as well. Interempresas is an association of medical and hospital equipment: http://www.interempresas.net/Medico-hospitalario/Articulos/114089-El-IBV-participara-en-3-nuevos-proyectos-</p>



	de-formacion-financiados-por-la-Comision-Europea.html Papers and posters presented at 4 European conferences: IVth National Conference of Bulgarian Society for Surgery of the Hand with International Participation, Veliko Tarnovo, Bulgaria, April 24-27, 2014; XIXth FESSH Meeting (Meeting of the Federation of European societies for surgery of the hand), Paris, France, June 18-21, 2014; EFSM XIIth Congress (Congress of the European federation of societies for microsurgery), Barcelona, Spain, April 3-5, 2014; 13th International Academic Conference of IISES, Antibes, France, 15 April 2014.
Methodological/pedagogical framework (if applicable)	
Deviations from initial proposal or subsequent amendments, including change reasons	
Result to which this work package has contributed	
Result No.	Result/Product title
5	Valorisation materials: project Web site, publications



G. DISSEMINATION AND EXPLOITATION OF RESULTS

Describe clearly and briefly the progress of the activities for the dissemination and exploitation of results.

No.	1
Activity description	Project Web page: http://telearn.tu-sofia.bg/OrthoBioMed/
Activity start date (dd-mm-yyyy)	01-10-2013
Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	TUS
Country	BG - BULGARIA
Region	BG41 - Yugozapaden
City	Sofia
Targeted sectors	<div>C32 - Other manufacturing</div> <div>Q86 - Human health activities</div> <div>P85.4 - Higher education</div>
Targeted groups	<div>VET providers associations (ASC-VET)</div> <div>University or higher education institution (tertiary level) (EDU-UNIV)</div> <div>Hospital (PUB-HSP)</div>
Activity number of participants	343
Which institutions/organisations were targeted?	
Organisation type	<div>HE research centres (RES-HE)</div> <div>Hospital (PUB-HSP)</div> <div>Private research centres (RES-PRV)</div>
Why have these institutions been chosen, and what is their relevance towards the project objectives?	The multidisciplinary training courses developed within the project could be used these types of organisations.
No.	2
Activity description	Project Web page in Spanish on the server of IBV (http://orthobiomed.ibv.org)
Activity start date (dd-mm-yyyy)	01-10-2013



Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	IBV
Country	ES - SPAIN
Region	ES52 - Comunidad Valenciana
City	Valencia
Targeted sectors	Q86 - Human health activities
Targeted groups	Employed (LAB-SAL) Vocational training institute tertiary level (EDU-HEIVoc)
Activity number of participants	132
Which institutions/organisations were targeted?	
Organisation type	Company (services) (ENT-COMPSer) Hospital (PUB-HSP)
Why have these institutions been chosen, and what is their relevance towards the project objectives?	These are the institutional target groups of the producers of implants.
No.	3
Activity description	News letter (http://tecnologia-sanitaria.ibv.org/index.php/es/proyecto/show_proyect/10/347)
Activity start date (dd-mm-yyyy)	01-10-2013
Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	IBV
Country	ES - SPAIN
Region	ES52 - Comunidad Valenciana
City	Valencia
Targeted sectors	Q86 - Human health activities
Targeted groups	Company (services) (ENT-COMPSer) Hospital (PUB-HSP)



	Company training department (EDU-COMP)
Activity number of participants	356
Which institutions/organisations were targeted?	
Organisation type	Company (services) (ENT-COMP Ser) Hospital (PUB-HSP) SME (ENT-SME)
Why have these institutions been chosen, and what is their relevance towards the project objectives?	These are the possible future users of the project results.
No.	4
Activity description	Web-based Information on the project meeting in Valencia: http://www.ibv.org/es/noticias-actualidad/show_new/76/4516 http://www.ibv.org/es/noticias-actualidad/show_new/76/4517
Activity start date (dd-mm-yyyy)	14-03-2014
Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	IBV
Country	ES - SPAIN
Region	ES52 - Comunidad Valenciana
City	Valencia
Targeted sectors	Q86 - Human health activities
Targeted groups	Company (services) (ENT-COMP Ser) Hospital (PUB-HSP)
Activity number of participants	19
Which institutions/organisations were targeted?	
Organisation type	Institutions or organisations providing learning opportunities within the context o
Why have these institutions been chosen, and what is their relevance towards the project objectives?	Users of project results



No.	5
Activity description	4th National Conference of Bulgarian Society for Surgery of the Hand with International Participation
Activity start date (dd-mm-yyyy)	24-04-2014
Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	Medical University Plovdiv, TUS - Sofia, University of Thessalia, Greece
Country	BG - BULGARIA
Region	BG32 - Severen tsentralen
City	Veliko Tarnovo
Targeted sectors	<div>Q86 - Human health activities</div> <div>M72 - Scientific research and development</div>
Targeted groups	<div>Hospital (PUB-HSP)</div> <div>Higher Education Professors (TCH-PRF)</div>
Activity number of participants	350
Which institutions/organisations were targeted?	
Organisation type	Association of professors and researchers (ASC-RES)
Why have these institutions been chosen, and what is their relevance towards the project objectives?	<p>Target users of courses from the teaching staff. Professional meeting of people involved full time in education and orthopaedic surgery. Presentations: 1)"E-learning Approach to Biomechanics of Osteosynthesis". Authors: Keti Tokmakova , Petar Molchovski, Mariya Tokmakova, Zoe Dailiana, Slavka Tsanova 2) "Minimal Plates and Screws for Hand Fractures". Authors: Z. Dailiana, D. Agorastakis, S. Varitimidis, K. Tokmakova, P. Molchovski, S. Tsanova, K. N. Malizos. We presented the project and received a list of people who would like to take part in the process of exploitation.</p>

No.	6
Activity description	19th Congress of FESSH
Activity start date (dd-mm-yyyy)	18-06-2014
Deviations from initial proposal or subsequent amendments, including change reasons	



Implementing partners' names	Medical University Plovdiv, University of Thessalia, Greece
Country	FR - FRANCE
Region	FR10 - Île de France
City	Paris
Targeted sectors	<div>Q86 - Human health activities</div> <div>P85.6 - Educational support activities</div> <div>M72 - Scientific research and development</div>
Targeted groups	<div>Hospital (PUB-HSP)</div> <div>Higher Education Professors (TCH-PRF)</div>
Activity number of participants	5000
Which institutions/organisations were targeted?	
Organisation type	<div>Association of professors and researchers (ASC-RES)</div> <div>Company training department (EDU-COMP)</div> <div>HE research centres (RES-HE)</div> <div>Vocational training institute tertiary level (EDU-HEIVoc)</div>
Why have these institutions been chosen, and what is their relevance towards the project objectives?	<p>The most important Hand Surgery Congress in Europe - all participants are interested in biomechanics and osteosynthesis.</p> <p>Presentation:</p> <p>1) "A Need Analysis of E-learning Approach to Biomechanics of Osteosynthesis for Surgical Management of Fractures for Orthopedic Surgeons in Bulgaria" Authors: Keti Tokmakova, Petar Molchovski, Mariya Tokmakova</p> <p>2) "Volar Plating of Distal Radius Fractures (Ao:B3,C1,C2,C3). Multivariant Analysis. 4 To 10 Years Follow-Up". Authors: I. Antoniou, Z. Dailiana, A. Drakos, V. Kontogeorgakos, K. Malizos, S. Varitimidis</p>
No.	7
Activity description	13th International Academic Conference of IIES
Activity start date (dd-mm-yyyy)	15-09-2014
Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	Medical University Plovdiv
Country	FR - FRANCE



Region	FR82 - Provence-Alpes-Côte d'Azur
City	Antibes
Targeted sectors	P85.42 - Tertiary education
Targeted groups	University or higher education institution (tertiary level) (EDU-UNIV)
Activity number of participants	120
Which institutions/organisations were targeted?	
Organisation type	Association of professors and researchers (ASC-RES)
Why have these institutions been chosen, and what is their relevance towards the project objectives?	A chance to exchange educational experience and present the project Presentation: Osteosynthesis for Surgical Management of Fractures – An E-learning Approach to Education and Training in Biomechanics Authors: Petar Molchovski, Keti Tokmakova, Mariya Tokmakova
No.	8
Activity description	Publication in the Greek newspaper Eleftheria: http://www.eleftheria.gr/index.asp?cat=27&aid=81841#.VEQ02L7tUmk
Activity start date (dd-mm-yyyy)	15-10-2014
Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	DOS, University of Thessalia
Country	EL - GREECE
Region	GR14 - Thessalia
City	Larissa
Targeted sectors	Q86 - Human health activities C32 - Other manufacturing P85.4 - Higher education
Targeted groups	General Public (GPU) VET providers associations (ASC-VET) University or higher education institution (tertiary level) (EDU-UNIV) Teachers, trainers and other staff involved in any aspect of lifelong learning (TCH)



Activity number of participants	10000
Which institutions/organisations were targeted?	
Organisation type	<div>Institutions or organisations providing learning opportunities within the context of</div> <div>Hospital (PUB-HSP)</div> <div>Associations working in the field of lifelong learning, including students', trainees'</div>
Why have these institutions been chosen, and what is their relevance towards the project objectives?	These are long term target groups for project results in Greece, in terms of training contents developed but also in terms of international collaboration in multidisciplinary VET provision.
No.	9
Activity description	Project Web page in Greek on the server of DOS: http://www.uth.gr/genannounce/2109-20140318-orthobiomed
Activity start date (dd-mm-yyyy)	15-11-2013
Deviations from initial proposal or subsequent amendments, including change reasons	
Implementing partners' names	DOS
Country	EL - GREECE
Region	GR14 - Thessalia
City	Larissa
Targeted sectors	Q86 - Human health activities
Targeted groups	<div>Hospital (PUB-HSP)</div> <div>University or higher education institution (tertiary level) (EDU-UNIV)</div>
Activity number of participants	233
Which institutions/organisations were targeted?	
Organisation type	<div>Hospital (PUB-HSP)</div> <div>Association of professors and researchers (ASC-RES)</div> <div>University or higher education institution (tertiary level) (EDU-UNIV)</div>



Why have these institutions been chosen, and what is their relevance towards the project objectives?

Their staff and trainees (residents) are target users of project results.

Describe the results and feedback received from stakeholders (target group or sector) of implemented dissemination activities.

The "number of participants" for the Web pages and on-line news is the number of visitors of the pages. The readers of the newspaper Eleftheria are more than 10 000. These dissemination techniques are not interactive. So, the presentations on conferences are more efficient for diffusion of project results and obtaining feedback from the participants. During the conference in Veliko Tarnovo, the Bulgarian doctors were interested in using the training modules when they will be available, mostly the doctors from remote regions. At the three conferences there was high interest of the audience and suggestions to include the courses and activities developed in the European initiatives for e-medicine. The doctors from the Thessalia university suggested to enlarge the activities within the telemedicine Greek project on a European level.



H. TARGET GROUPS

H.1. INVOLVEMENT

Please describe the involvement of target groups/end user(s), educational structures, sector representatives, VET policy and decision makers in your project.

The primary target groups were involved in the need analysis done by each partner institution in the three countries. The orthopaedic surgeons and the engineers were involved in the contents development together with the teachers and trainers. Researchers and doctoral and post-doctoral students were consulted in the courses adaptation and update with new cases. The implementation of the project is supported by all educational structures involved in the project and their management - managers from the hosting institutions participated in all project meetings. The long term target users (sector representatives, VET policy and decision makers) were informed about the project activities on the conferences, through the publications in newspapers and on Web pages.

H.2. TARGET GROUPS' STATISTICS

Indicate which target groups you have involved and quantify. Indicate to which educational field, educational level and economic sector the respective target group belongs.

No.	1
Target group	Hospital (PUB-HSP)
Educational field	Health (72)
Educational level	ISCED 4C - Post-secondary non-tertiary not to 5
Economic sector	Q86 - Human health activities
Number of people directly addressed to date	278

No.	2
Target group	Graduate / Doctoral school (EDU-Gradu)
Educational field	Medicine and Surgery (7214)
Educational level	ISCED 4C - Post-secondary non-tertiary not to 5
Economic sector	Q86 - Human health activities
Number of people directly addressed to date	32

No.	3
Target group	University or higher education institution (tertiary level) (EDU-UNIV)
Educational field	Manufacturing and processing (54)
Educational level	ISCED 4C - Post-secondary non-tertiary not to 5
Economic sector	P85.4 - Higher education
Number of people directly addressed to date	45

No.	4
Target group	Teachers, trainers and other staff involved in any aspect of lifelong learning (TCH)
Educational field	Multidisciplinary studies (92)
Educational level	ISCED 4A-B - Post-secondary non-tertiary to 5



Economic sector	C - MANUFACTURING
Number of people directly addressed to date	25



I. LESSONS LEARNED

I.1. PROBLEM HANDLING

Describe any difficulties encountered during the implementation of the project, and what solutions you found to overcome those difficulties.



J. ANNEXES TO THE REPORT

Please enumerate here the annexes to the duly signed paper version of the report to be sent by post. Annexes should include for example:

- Minutes of consortium meetings
- Lists of participants (in consortium meetings, seminars, ...)
- Copies of tangible results/products (online, electronic versions, ...)
- Dissemination materials (publications, leaflets, posters, ...)

Also attach any related documents to the report and mark them with the right reference (e.g. Consortium Meeting No. 1, 2, 3, ... = numbering of the table/s "Consortium meetings"; e.g. tangible Result or Product No. 1, 2, 3, ... = numbering of the table/s "Results").

1. List of participants and minutes of the consortium meeting No. 1
2. List of participants and minutes of the consortium meeting No. 2
3. List of participants and minutes of the consortium meeting No. 3
4. Result 2. Need analysis report
5. Result 3. Content of courses in Bulgarian and Greek in electronic format on a CD
6. Result 5. Dissemination materials: publications in newspaper and in journals and on conferences

The following documents **MUST** also be submitted with the original paper version of the report to be sent by mail:

- Evidence of bank transfers between the beneficiary and ALL project partners
- Copies of sub-contracting agreements and invoices, including all tender documents.



K. FINANCIAL REPORT

K.1. PARTNER

Partner number	PO
Partner name	Technical University of Sofia
Partner country	BG - BULGARIA

K.1.1. EXPENSES INCURRED

Staff costs		15608.41
Operating costs	Travel and Subsistence	1446.52
	Equipment (up to 10%)	7590.03
	Sub-contracting costs (up to 30%)	2404.73
	Other	0.00
Direct costs		27049.69
Indirect costs (up to 7%)		1893.48
Total costs		28943.17

K.1.2. GRANTS

Leonardo da Vinci		20900.00
Other funds	National funds	0.00
	Own contribution	6392.00
	Other sources	0.00
Total grants		27292.00



K.2. PARTNER

Partner number	P1
Partner name	Instituto de Biomecanica de Valencia
Partner country	ES - SPAIN

K.2.1. EXPENSES INCURRED

Staff costs		19368.29
Operating costs	Travel and Subsistence	690.20
	Equipment (up to 10%)	0.00
	Sub-contracting costs (up to 30%)	0.00
	Other	207.00
Direct costs		20265.49
Indirect costs (up to 7%)		1418.59
Total costs		21684.08

K.2.2. GRANTS

Leonardo da Vinci		21740.00
Other funds	National funds	0.00
	Own contribution	7298.40
	Other sources	0.00
Total grants		29038.40



K.3. PARTNER

Partner number	P2
Partner name	Medical Univesrity Plovdiv
Partner country	BG - BULGARIA

K.3.1. EXPENSES INCURRED

Staff costs		0.00
Operating costs	Travel and Subsistence	4609.15
	Equipment (up to 10%)	5010.76
	Sub-contracting costs (up to 30%)	2000.00
	Other	820.00
Direct costs		12439.91
Indirect costs (up to 7%)		826.95
Total costs		13266.86

K.3.2. GRANTS

Leonardo da Vinci		13764.00
Other funds	National funds	0.00
	Own contribution	4850.00
	Other sources	0.00
Total grants		18614.00



K.4. PARTNER

Partner number	P3
Partner name	Department of Orthopaedic Surgery and Traumatology of University of Thessalia
Partner country	EL - GREECE

K.4.1. EXPENSES INCURRED

Staff costs		18876.24
Operating costs	Travel and Subsistence	4042.38
	Equipment (up to 10%)	4936.69
	Sub-contracting costs (up to 30%)	0.00
	Other	400.00
Direct costs		28255.31
Indirect costs (up to 7%)		1977.87
Total costs		30233.18

K.4.2. GRANTS

Leonardo da Vinci		20680.00
Other funds	National funds	0.00
	Own contribution	7195.20
	Other sources	0.00
Total grants		27875.20



K.5. PROJECT TOTALS

K.5.1. EXPENSES INCURRED

Staff costs		53852.94
Operating costs	Travel and Subsistence	10788.25
	Equipment (up to 10%)	17537.48
	Sub-contracting costs (up to 30%)	4404.73
	Other	1427.00
Direct costs		88010.40
Indirect costs (up to 7%)		6116.89
Total costs		94127.29

K.5.2. GRANTS

Leonardo da Vinci		77084.00
Other funds	National funds	0.00
	Own contribution	25735.60
	Other sources	0.00
Total grants		102819.60

The detailed self-calculating (excel) financial tables must be completed for all projects at the Interim and Final report stages. Refer to the website of your National Agency for a link to the financial tables.



L. PAYMENT

Please indicate here if you request the payment of supplementary pre-financing (advances).

Yes

Yes, I request the payment.



M. DATA PROTECTION NOTICE

PROTECTION OF PERSONAL DATA

Processing this form may involve the recording and processing of personal data. Such data will be processed pursuant to Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. Any personal data requested will only be used for the intended purpose, i.e.:

- In the case of grant application forms: the evaluation of your application in accordance with the specifications of the call for proposals,
- In the case of report forms: statistical and financial (if applicable) follow-up of the projects.

For the exact description of the collected personal data, the purpose of the collection and the description of the processing, please refer to the Specific Privacy Statement accompanying this form.

You are entitled to obtain access to your personal data on request and to rectify any such data that is inaccurate or incomplete. If you have any queries concerning the processing of your personal data, you may address them to your National Agency. You have the right of recourse at any time to your national supervising body for data protection or the European Data Protection Supervisor for matters relating to the processing of your personal data.

You are informed that for the purposes of safeguarding the financial interest of the Communities, your personal data may be transferred to internal audit services, to the European Court of Auditors, to the Financial Irregularities Panel and/or to the European Anti-Fraud Office (OLAF).

http://ec.europa.eu/dgs/education_culture/calls/dpo_en.htm

N. DECLARATION OF CONFORMITY

I, the undersigned, hereby declare that the attached information is accurate and in accordance with the facts. In particular the financial data provided in this report correspond to the expenditure actually incurred by the project partners for carrying out project activities. This information has been approved by the authorities representing the partners involved in the activities set out in this report.

Furthermore, I declare that based on the information provided in this report I have entered respectively update, data on this project in the ADAM Project and Product Portal for Leonardo da Vinci.

Place: _____ Date: _____

Name of the beneficiary legal representative: _____

Position within the beneficiary organisation: _____

Original signature of the person legally authorised: _____

Please send signed copy + supporting documents. It is this authentic version that will be evaluated.



O. SUBMISSION

Before submitting the form electronically, please validate it. Please note that only the final version of your form should be submitted electronically.

O.1. DATA VALIDATION

Validation of compulsory fields and rules

O.2. SUBMISSION SUMMARY

This table provides additional information (log) of all form submission attempts, particularly useful for the National Agencies in case of multiple form submissions.

Number	Time	Event	Form hash code	Status
1	2014-10-27 16:45:45	Online submission	F8053A3A9B3DA4F0	OK (1189772)

O.3. STANDARD SUBMISSION PROCEDURE

Online submission (requires internet connection)

Submission status

OK

Submission ID

1189772

Submission Local Date (Brussels)

2014-10-27 16:45:45

Hash code

F8053A3A9B3DA4F0

This is a confirmation that you have successfully submitted your form. Now, you should print, sign and send the form to your National Agency. Please save the form for future reference.

Please also note that only an electronically submitted form should be printed, signed and sent to your NA.

O.4. ALTERNATIVE SUBMISSION PROCEDURE

Creates a file to be sent by email to the National Agency

(To be used ONLY if online submission is not available. Please see instructions about this procedure in the "Applicant Guide")