

Education, Audiovisual and Culture Executive Agency

Unit P1 – Comenius, Grundtvig, Minerva, eLearning, Lingua



eLEARNING PROGRAMME

**eLEARNING
FINAL REPORT
2007**

PROJECT ACRONYM:eduGl.....

Grant Agreement number: XXXX -XXXX / 001 - 001 EDU-ELEARN
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General instructions

1. Overview

The Final Report for the project comprises the following parts:

Section 1	Confirmation of the basic data on the project and the partnership held in the database of the Executive Agency.
Section 2	A declaration of the expenditure and an explanation of any variations from the original approved budget.
Section 3	A description of the project activities, products and results and an explanation of how the project evolved in comparison with the original workplan.
Annex	Codes to be used.

2. General guidance

- You should carefully read the *Grant Agreement* before filling in the reporting forms.
- The Final Report is submitted by the Beneficiary on behalf of all the organisations participating in the project. The declaration on the following page confirms that a process of consultation and approval has been carried out throughout the partnership. It is therefore important that the required information should be collected in good time before the deadline for submission of the Final Report.
- The Report must be submitted in either **English or French**
- **Three copies of the Report** must be sent no later than two months (as per postmark) after the end of the eligibility period to:

Mr Brian HOLMES
Education, Audiovisual & Culture Executive Agency
Unit P1 – eLearning
BOUR 2/30A
B-1049 Brussels

- You have to attach to your Report, **three copies of all project products and results**. This should include all products and results listed in the summary table 3.1 (like reports, studies, CDs, conference programmes, etc). If you refer to web sites, passwords should be given for all private areas).
- The Report and an executive summary including the final results of the project shall also be sent in **electronic version** by email to the following address: eLearning@ec.europa.eu. If you wish, you may also send us an extra copy on CD-Rom or floppy disk.
- Each page of the Report and all copies of products and results have to bear the Grant Agreement number.
- You are strongly advised to send your Reports by registered post to ensure a record of postage. Additionally, you are advised to keep a copy of the full report, including any annexes.
- Please note that a late submission of the Report may result in penalties or even cancellation of the Grant Agreement, in accordance with the General Conditions of the Agreement.
- **Please note that during the assessment of the Final Report, special attention will be paid to the extent to which the project has been implemented.**

Checklist and declaration

Checklist	<input checked="" type="checkbox"/>
Please check the following points before submitting your Final Report	<input checked="" type="checkbox"/>
There are three complete and securely bound copies of the Final Report.	<input type="checkbox"/>
The Grant Agreement number is specified on each page of your Report and on each attached document, product or result.	<input type="checkbox"/>
The <i>Declaration by the Beneficiary</i> below has been signed and stamped by the legal representative of the Beneficiary. One copy of the Final Report bears the signature in original	<input type="checkbox"/>
Section 1 (Project Data) of the Report has been duly amended or approved.	<input type="checkbox"/>
You have answered all the questions in Section 3 of the Report.	<input type="checkbox"/>
You have completed Table 3.1 in Section 3 of the Report.	<input type="checkbox"/>
Three copies of all products and results listed in section 3 are included.	<input type="checkbox"/>
Declaration of Expenditure	
All expenditure presented in Section 2 of the report is eligible (see the Grant Agreement).	<input type="checkbox"/>
The expenditure is consistent with the activities undertaken during the eligibility period.	<input type="checkbox"/>
All tables have been completed in €. Exchange rates have been calculated following the instructions of the Grant Agreement.	<input type="checkbox"/>
The Declaration of Expenditure has been checked by the accounts or finance department of your institution. In particular, the totals of the detailed tables are equal to the totals shown in the general table.	<input type="checkbox"/>
If requested in Article I.4.3 of the grant agreement, an external audit report has been annexed to the final report.	<input type="checkbox"/>

Declaration by the Beneficiary

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I, the undersigned, hereby declare that the information contained in this Report is accurate and in accordance with the facts. In particular the financial data provided in this Report corresponds to the expenditure actually incurred by the project partners for the execution of the project activities. This information has been checked and approved by the partners involved in the activities set out in this Report.

I herewith request payment of the outstanding balance for the project, in accordance with the terms of the Grant Agreement.

Signed in: Münster

on / /

Signature of the Beneficiary's legal representative

Seal/stamp of the organisation

Name and function in capital letters

DR KATHARINA STEINBERG; FINANCIAL OFFICER

Grant Agreement number:

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Section 1: Confirmation of project data

Please confirm the details of the beneficiary and, more particularly, of the person in charge of the project, the person in charge of finance, and the person authorised to sign for the beneficiary. Please indicate the postal address, phone and fax numbers, and email address. Our database will be updated accordingly.

Details of the beneficiary			
Name	Westfälische Wilhelms-Universität Münster (University of Münster)		
Address	Schlossplatz 2		
Town	Münster	Post Code	48149
Country	Germany		
Phone	+49 251 8321501	Fax	+49 251 8321501
Email	vdv158@uni-muenster.de		
Person in charge of the project			
Surname	Brox	First Name(s)	Christoph
Title (Position)	Dr.		
Phone	+49 251 8334721	Fax	+49 251 8339763
Email	broxc@uni-muenster.de		
Person in charge of finance			
Surname	Brox	First Name(s)	Christoph
Title (Position)	Dr.		
Phone	+49 251 8334721	Fax	+49 251 8339763
Email	broxc@uni-muenster.de		
Person authorised to sign for the beneficiary			
Surname	Steinberg	First Name(s)	Katharina
Title (Position)	Dr., Financial Officer		
Phone	+49 251 8321501	Fax	+49 251 8321501
Email	vdv158@uni-muenster.de		

Please provide below the basic information concerning your partner institutions, specifying the name, town and country.

	Title (in language of origin)	Town	Country
1.	ISEGI- Instituto Superior de Estatística e Gestao de Informacao – Universidade Nova de Lisboa	Lisbon	Portugal
2.	UniBW München	Neubiberg	Germany
3.	University of West Hungary	Székesfehérvár	Hungary
4.	International Institute for Geo-Information Science and Earth Observation (ITC)	Enschede	The Netherlands
5.	Harokopio University	Kallithea - Athens	Greece
6.	Uppsala University	Uppsala	Sweden
7.	Technical University of Vienna	Vienna	Austria
8.			

If applicable, please give website address(es) of the project below, along with any login names and passwords required to access its internal sections.

Website address	Project website: http://www.edugi.net/eduGI e-Learning platform/courses: http://novaelearning.unl.pt
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Login name (if applicable)	
Login password (if applicable)	

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Partnership Changes

Please mention if there are any modifications to the initial partnership or in the distribution of tasks and budget amongst partners. Yes [] No [X].
If you have answered « Yes », please fill in the following tables with the final composition of the partnership.

1. Withdrawals

N°	Partner organisations, including co-ordinator, which have withdrawn	Replacement partners (if any)	Date on which the Executive Agency approved the amendment
1			
2			
3			
...			

2. New partners introduced after the start of the project

N°	Partner organisations, including co-ordinator, which have joined the project	Partner replaced (if relevant)	Date on which the Executive Agency approved the amendment
1			
2			
3			
...			

Please add any extra sheets if necessary.

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Section 2: Declaration of expenditure (in €)

This section sets out the financial information required by the Executive Agency.

Please use the excel tables in annex.

General instructions

- The expenditure should cover the entire period of the eLearning grant. The expenditure should be coherent with the workplan in Section 3.3.
- All amounts should be provided in euros.
- Please adhere strictly to the format provided in the tables and check carefully the figures provided (reports containing calculation errors will be delayed in the payment process).
- According to Article 1.4.3. of the Grant Agreement, *“the request for payment of the balance shall be accompanied by the final technical implementation report and financial statement specified in Article II.15.4 and by an external audit report on the action's accounts in the case where the amount of balance payment is superior to 150.000 euros.”* In case this article applies to your project, an external audit report has to be attached to section 2.

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Section 3: Description of project activities, products and results

This section describes the activities of the project. It is divided in three sections.

Please remember that the Final Report covers all the activities and results for the whole project duration.

Please note that special attention will be paid to the extent to which the project has been implemented.

SECTION 3 – DESCRIPTION OF PROJECT ACTIVITIES, PRODUCTS & RESULTS

3.1 - Outcomes and results

Please describe the concrete outcomes, networks, products and results of the project; the conclusions and recommendations of internal & external evaluations; and the dissemination activities undertaken and their impact on the specific target group(s). (max 1 page, no more than 2000 characters).

In recent years, many funding opportunities on European and national levels resulted in numerous e-learning initiatives. Many of them were successful – however, Many funded project lack a business model for the “time after the funding”. The development and provision of high-quality e-learning courses is expensive and hardly manageable for single institutions. Our approach is to re-use and share existing resources: each partner of a consortium develops an e-learning course, which bases on an existing regular course and (digital) teaching materials. Each partner provides this course – including teachers – without charging a fee to the partners’ students. In return, each partner receives courses on a non-fee basis.

All e-Learning courses have been developed by the eight partners. In general, the quality of course concept, teaching materials and course performance were appreciated by the students and teachers of the receiving institutes (evaluation reports see annex 4). All teaching materials are published at the project website www.eduGI.net/eduGI.

The key project result is the validation of the business model and sustainability of partner network and its exchange of e-Learning courses. Seven of eight partners (except U Uppsala) agreed on going on with the provision and exchange of courses for a minimum of three years – without further funding. The content of e-Learning courses in the area of geographic information is NOT relevant for the presented core idea of a business model for virtual mobility. Our business model is an organizational approach for inter-institutional cooperation, which can be transferred to ALL scientific areas in Higher Education.

The final project phase focused on dissemination activities. We think these activities crucial, because the core idea of a new e-Learning business model can be applied in all scientific areas and is definitely not limited to the Geoinformatics area of the project consortium. Therefore, we addressed decision makers and teachers in all fields of Education. The eduGI partners performed the following dissemination activities:

1. 16 publications and presentations (9 were planned) in national and international conferences and journals, see annex 6.
2. 8 dissemination workshops: Each partner was responsible to organize one workshop, to be supported by another eduGI partner. The partners chose different options: one day or 1,5 days, stand-alone-workshops or embedded in another event, e.g., conference. All workshops organized an detailed program in the context of e-Learning and eduGI. The feedback of the workshop participants was very positive, i.e. participants were very interested in the business model of exchanging e-Learning courses with international partners. The workshops were attended by less participants than expected – two workshops even had to be cancelled due to a low number of participants.
3. Additional dissemination activities were the provision of a project website, distribution of project flyers at events, e.g., AGILE 2006, AGILE 2007, EUGISES 2006, IADIS 2007, and personal contacts to institutions and networks, e.g., the European AGILE Education Working Group (<http://plone.itc.nl/agile-edu/>) and the Latin-American GI organization GILA (www.gilanet.org).

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Table 3.1 Summary of networks, materials, products, publications, modules, courses, conferences, reports, studies and other concrete outcomes of the project
Please use the appropriate codes as listed in the Annex.

N°	Type of outcome (A codes)	Title of the outcome	Languages (Language codes)	Type of dissemination (C codes)	Quantity (1)	Target audience		Any other comments
						Sector (D codes)	Category (E codes)	
1	A2	Stage 1: Interim project report	EN	C10, EC	1	D13, EC	E16, EC	
2	A11	Stage 2: e-Learning platform for consortium	EN	C10, internal	1	D5	E1, E4	
3	A2	Stage 3: Project plan	EN	C10, internal	1	D13, internal	E16, internal	
4	A2	Stage 4: eduGI consortium agreement	EN	C10, internal	1	D13, internal	E16, internal	
5	A2	Stage 4: organizational framework, see meeting minutes Lisbon	EN	C10, internal	1	D13, internal	E16, internal	
6	A11	Stage 5: e-Learning platform for consortium	EN	C10, internal	1	D5	E1, E4	
7	A2	Stage 6: Raw concept for exchange of e-Learning courses, see meeting minutes Lisbon	EN	C10, internal	1	D13, internal	E16, internal	
8	A2	Stage 7: Meeting minutes Lisbon, 30.3.-1.4.06	EN	C10, internal	1	D13, internal	E16, internal	
9	A1	Stage 8: Draft versions of 8 e-Learning courses, see stage 11	EN	C8	8	D5	E4	
10	A1	Stage 9: Execution of 8 e-Learning courses	EN	C8	8	D5	E4	
11	A2	Stage 9: Evaluation of course performance	EN	C6	1	D5	E1, E2, E8, E10, E11	
12	A2	Stage 10: Meeting minutes Münster, 25.-27.4.07	EN	C10, internal	1	D13, internal	E16, internal	
13	A5	Stage 11: Implementation of final versions of e-Learning courses	EN	C6	8	D5	E1, E2, E4, E9, E10, E11, E12	
14	A2	Stage 12: Exploitation plan, see meeting minutes Münster	EN	C10, internal	1	D13, internal	E16, internal	

15	A2	Stage 13: Final project report	EN	C10, EC	1	D13, EC	E16, EC	
16	A11	Stage 14: Project homepage	EN	C6	1	D5, D9, D12, D4	E1, E2, E4, E8, E9, E10, E11, E12, E13, E14	
17	A12 (publication)	Stage 15: International publication	EN	C2	1	D5, D9, D12, D4	E1, E2, E4, E8, E9, E10, E11, E12, E13, E14	
18	A12 (information provision, flyer)	Stage 16: Personal contacts, emails, flyer for dissemination	EN	C6, C10 (personal contacts, distribution of flyers at events)	1	D5, D9, D12, D4	E1, E2, E4, E8, E9, E10, E11, E12, E13, E14	
19	A12 (publication)	Stage 17: Publications and presentations	EN	C2, C3	17	D5, D9, D12, D4	E1, E2, E4, E8, E9, E10, E11, E12, E13, E14	Instead of 8 national, the partners provided 17 national + international publications and presentations in the context of eduGI!
20	A12 (workshops)	Stage 18: Dissemination workshops	EN	C10 (workshops)	8	D5, D9, D12, D4	E1, E2, E4, E8, E9, E10, E11, E12, E13, E14	All workshops have been organized and announced. Two of the workshops had to be cancelled due to a low number of participants.

(1) For materials state the number of copies; for courses, the number of courses and participants, etc.

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3.2 - Project achievements

3.2(a)- Did the project meet its targets in terms of outcomes (as given in the application form, particularly in the workplan). Please comment on any under or over achievements of targets. (max 1 page, no more than 2000 characters).

Organization of work and transnational cooperation takes place by two project meetings and email for all-day management – for coordination issues as well as for coordination of e-Learning course providing and receiving institutes. The partners signed a consortium agreement, which defines ways if problems occur. However, the consortium agreement was not needed so far. The consensus-based organizational approach worked well so far – appropriate and effective. We think the organizational key success factor is the composition of the consortium. In our case, we selected well-known and internationally experienced partners from the existing networks eduGI.net (www.eduGI.net) and AGILE Education Working Group (<http://plone.itc.nl/agile-edu/>), all partners already had successfully cooperated with several of the others in previous contexts.

Consequently, the project was running smoothly and achieved the targeted objectives according to the work plan. A (not critical) change was the scheduling of performance of e-Learning courses due to the very different semester schedules. We consider a completion rate of 100 %, balanced by smaller over and under achievements:

Over achievements were:

- Seven partners agreed on a further exchange of e-Learning courses after the project.
- The partners submitted 16 instead of 9 publications in the context of eduGI.
- The partners performed additional dissemination activities, e.g., presentation of eduGI at the EC Socrates Minerva Concertation Meeting, Helsinki 2006, and the development of a project flyer distributed at international events.

Under achievements were:

- The workshops were attended by less participants than expected – two of eight workshops even had to be cancelled due to a low number of participants. We assume two main reasons for the low number of registered participants: a. The duration of 1,5 days instead of one day b. A general overflow of e-Learning events. However, the feedback of the workshop participants was very positive, i.e. participants were very interested in the business model of exchanging e-Learning courses with international partners. The workshops were announced widely by email, flyers, and websites. Therefore, the eduGI project was disseminated even to non-participants due to the information about the project.
- One course (U Uppsala) has started in Feb 2007, but due to organizational problems and an expedition of the teacher to the Artic, it will be terminated in Oct 2007.

3.2(b) - What was the added value of the project? (max 1 page, no more than 2000 characters).

The key project result is the validation of the business model for virtual mobility and sustainability of partner network and its exchange of e-Learning courses. Seven of eight partners (except U Uppsala) agreed on going on with the provision and exchange of courses for a minimum of three years – without further funding.

The content of e-Learning courses in the area of geographic information is NOT relevant for the presented core idea of a business model for virtual mobility. Our business model is an organizational approach for inter-institutional cooperation, which can be transferred to ALL scientific areas in Higher Education.

3.2(c) - What was the overall contribution of the transnational work? Please comment on the value of transnational activities to the achievements of your project objectives at national and transnational level. Include any unanticipated benefits. (max 1 page, no more than 2000 characters).

The contribution of the transnational work is two-folded: Within the consortium and external.

External:

As said before, the key project result is the validation of our business model for virtual mobility in an international network. It provides best-practices for a development of an e-Learning environment with limited resources, based on sharing resources with international partners. Our business model is an organizational approach for inter-institutional cooperation, which can be transferred to ALL scientific areas in Higher Education. Therefore, the eduGI project results and dissemination activities address decision makers and teachers all over Europe.

Internal:

The project work in eduGI formed a sustainable and reliable network of the participants. Follow-up activities are already initiated (future exchange of e-Learning courses, physical mobility measures), and further cooperation will occur automatically. Such types of networks based on personal contacts are crucial for all institutions for competition in an international research and education environment. An additional benefit is the acquired competence and also international reputation for each of the project partners.

3.2.(d) - How will the project partnership and project network or activities/results be sustained beyond the Community grant? (max 1 page, no more than 2000 characters).

The partners achieved an agreement to continue with the non-fee-based exchange of e-Learning courses for 3 years. Only U Uppsala was not able to commit to further cooperation due to internal organizational uncertainties. (U Münster and TU Vienna are exploring contacts for U Uppsala to non-GI institutes at their faculties.)

The agreement of the other 7 partners bases on mutual understanding. It will NOT be contracted, all partners are aware that individual situations might change, e.g., changes in staff. The consortium will react flexibly, based on the good-will of and the overall benefit and future perspectives for the consortium.

Agreements are:

1. The courses will be exchanged according to the interest in receiving courses, see table below.
2. For each course, each receiving institute will have a guaranteed number of places. An exact, mathematical balancing of student numbers is not possible; small “advantages or disadvantages” of single institutes are allowed and a matter of “friendly negotiations”.
3. Requirements, i.e. schedules, of receiving and providing institutes have to be matched.
4. As for ITC, the partner courses cannot be accommodated with the study programs. However, ITC offered to provide its course to the a minimum of 10 eduGI students for free, as long as the course can offered at the same time to a minimum of 10 “paying students”.
5. The exchange of e-Learning courses will be performed via the ISEGI e-Learning platform. This is a substantial additional input by ISEGI. In exchange, ISEGI will receive 8 Erasmus teachers mobility measures within 3 years (8 contact hours each). Each partner (except U Uppsala and ITC) commits to send at least one teacher. The additional 3 mobility measures are expected to be performed on the basis of volunteers requested by ISEGI.

(Marked: Universities/Institutes receiving courses)

		ifgi	Uni BwM	ISEG I	UW H	IT C	Harokopio	Uppsala	Vienna
Providing university	Provided course								
1. Ifgi, University of Münster	Project management		X	X			X		X
2. UniBw München	GI Standards	X		X			X		X
3. ISEGI-UNL, Lisbon	GeoSpatial Data mining	X			X		X		X
4. University of West Hungary	Data acquisition and integration						X		
5. ITC Enschede	Visualisation			(X)	X		X		
6. Harokopio University	Geographic Data Bases (Advanced)		X	X	X		X		
7. Uppsala University	Virtual excursions in Earth Sciences	External							External
8. TU Vienna	Data quality	X		X			X		

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3.3 Review of Project Workplan

Using the original approved Workplan for the project, please describe clearly and briefly the main activities or workpackages undertaken in the different project's stages. Activities listed should take account of any changes to the project's workplan whether subject to a formal approval or not. Please include partnership meetings as distinct activities.

Stage 1					
Brief description of activity or workpackage	Overall project management				
Organisations involved	U Münster, Germany				
Start date (dd/mm/yyyy)	01/02/2006	End date (dd/mm/yyyy)	31/07/2007	Number of days	57 person days
Aims and objectives	To perform project in required time and quality				
Description of specific tasks undertaken and outcomes	Communication and decisions via email, interim project report, final project report Documentation: interim project report already submitted to the EC, final project report published at project website: http://www.edugi.net/eduGI				
Evaluation of outcomes	Method: a. Evaluation of interim report by EC b. controlling of project progress Results: a. interim report approved by the EC b. Project completed in time, achieving high-quality results				
Describe and justify any changes to or variations from the original workplan	There was a mistake in the proposal: Of course, the project management was performed until the end of the project, not only until M12				
Impact on the project of changes to the workplan	-				

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Stage 2					
Brief description of activity or workpackage	Technical lead e-Learning platform				
Organisations involved	ISEGI-UNL, Portugal				
Start date (dd/mm/yyyy)	01/02/2006	End date (dd/mm/yyyy)	31/07/2007	Number of days	57 person days
Aims and objectives	To provide a technical platform for the exchange of e-Learning courses				
Description of specific tasks undertaken and outcomes	Maintenance of e-Learning platform for eduGI Enrollment of teachers and students of e-Learning courses Ongoing technical support for all partners Documentation: e-Learning platform online at http://novaelearning.unl.pt (user name and password see above)				
Evaluation of outcomes	Method: Control performance of e-Learning courses Result: e-Learning courses performed				
Describe and justify any changes to or variations from the original workplan	As in stage 1, here was also a mistake in the proposal: also performed during the entire project				
Impact on the project of changes to the workplan	-				

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Stage 3					
Brief description of activity or workpackage	Project plan				
Organisations involved	U Münster, Germany				
Start date (dd/mm/yyyy)	01/02/2006	End date (dd/mm/yyyy)	15/02/2006	Number of days	Person days included in overall project management
Aims and objectives	To perform project in required time and quality				
Description of specific tasks undertaken and outcomes	Draft provided by U Münster, discussed and agreed at the first project meeting Documentation: Integrated in annex 1 “meeting minutes Lisbon”				
Evaluation of outcomes	Method: Discussed at first project meeting Result: Agreed at first project meeting				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 4					
Brief description of activity or workpackage	Partner agreement				
Organisations involved	U Münster, all				
Start date (dd/mm/yyyy)	04/02/2006	End date (dd/mm/yyyy)	26/04/2006	Number of days	Person days included in overall project management
Aims and objectives	To provide a contractual basis for partner cooperation To provide an organizational framework and standards for the exchange of e-Learning courses				
Description of specific tasks undertaken and outcomes	Design of a consortium agreement Design of an organizational framework Documentation: - Consortium agreement: see annex 2 “eduGI consortium agreement” - Organizational framework: included in annex 1 “meeting minutes Lisbon”				
Evaluation of outcomes	Method: a. discuss consortium agreement amongst partners b. provide consortium agreement to the EC c. discuss organizational framework and standards for the exchange of e-Learning courses amongst partners Result: a. consortium agreement signed by all partners b. consortium agreement approved by the EC d. organizational framework and standards agreed at first project meeting				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 5					
Brief description of activity or workpackage	Installation of software, server, and partner access of e-Learning platform				
Organisations involved	ISEGI-UNL, Portugal				
Start date (dd/mm/yyyy)	01/02/2006	End date (dd/mm/yyyy)	01/04/2006	Number of days	32 person days
Aims and objectives					
Description of specific tasks undertaken and outcomes	<p>Technical implementation of e-Learning environment (software: BlackBoard) Introduction/tutorial to the usage of e-Learning platform to all partners at the first project meeting</p> <p>Documentation: e-Learning platform online at http://novaelearning.unl.pt (user name and password see above); notes of the tutorial included in annex 1 “meeting minutes Lisbon”.</p>				
Evaluation of outcomes	<p>Method: First test of the e-Learning platform by the partners Result: e-Learning platform worked at the first project meeting and all partners were able to establish first “test courses”</p>				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 6					
Brief description of activity or workpackage	e-Learning course development (phase A: Design)				
Organisations involved	all				
Start date (dd/mm/yyyy)	10/02/2006	End date (dd/mm/yyyy)	01/04/2006	Number of days	94 person days
Aims and objectives	To design the (exchange of) e-Learning courses				
Description of specific tasks undertaken and outcomes	<p>Each partner provided a raw concept (organization and content) of the planned e-Learning course Raw concepts were presented and discussed at the first project meeting</p> <p>Documentation: Included in annex 1 “meeting minutes Lisbon”</p>				
Evaluation of outcomes	<p>Method: Presentation and discussion at first project meeting, decisions on adjustments Result: Approved by the receiving institutions</p>				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 7					
Brief description of activity or workpackage	First project meeting				
Organisations involved	U Münster, all				
Start date (dd/mm/yyyy)	30/03/2006	End date (dd/mm/yyyy)	01/04/2006	Number of days	27 person days
Aims and objectives	To discuss and evaluate project achievements and plans To decide about adjustments				
Description of specific tasks undertaken and outcomes	Meeting in Lisbon prepared by detailed agenda. Major topics at the meeting: raw concepts of provided e-Learning courses, framework/standards for the exchange of e-Learning courses, schedule and contents of courses, financial issues, consortium agreement, usage of e-Learning platform) Documentation: annex 1 “meeting minutes Lisbon”				
Evaluation of outcomes	Method: Provide meeting minutes Result: Approval of meeting minutes by all partners				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 8					
Brief description of activity or workpackage	e-Learning course development				
Organisations involved	all				
Start date (dd/mm/yyyy)	01/06/2006	End date (dd/mm/yyyy)	31/01/2007	Number of days	442 person days
Aims and objectives	To provide syllabuses and teaching materials of 8 e-Learning courses				
Description of specific tasks undertaken and outcomes	<p>Each partner developed the materials of an e-Learning course The receiving partners provided feedback to the draft versions of the e-Learning courses, based on evaluation questionnaires</p> <p>Documentation:</p> <ol style="list-style-type: none"> Teaching materials of 8 e-Learning courses (see annex 3, digital version of this report and project website www.eduGI.net/eduGI - the teaching materials are too many paper for the paper-version of this report). All teaching materials are publicly accessible! Evaluation of draft versions, see annex 4 “e-Learning courses evaluations” 				
Evaluation of outcomes	<p>Method: Evaluation of draft versions before course performance (questionnaires) Result: Draft versions approved by the receiving partners – in some cases with requests for minor changes</p>				
Describe and justify any changes to or variations from the original workplan	The scheduling of performing the e-Learning courses was more difficult than expected, due to very different semester schedules of the partners. Therefore, activities in stage 8 (course development) and stage 9 (execution of e-Learning courses) had to be pre- or postponed.				
Impact on the project of changes to the workplan	none				

Please add extra sheets if necessary.

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Stage 9					
Brief description of activity or workpackage	Execution of 8 e-Learning courses and evaluation				
Organisations involved	all				
Start date (dd/mm/yyyy)	15/10/2006	End date (dd/mm/yyyy)	15/06/2007	Number of days	77 person days
Aims and objectives	To test our business model for virtual mobility by re-using and sharing e-Learning resources in a network				
Description of specific tasks undertaken and outcomes	<p>To perform 8 e-Learning courses, each received by 2 partners To evaluate the results by students and receiving institutes</p> <p>Documentation:</p> <ul style="list-style-type: none"> - e-Learning courses online at http://novaelearning.unl.pt (user name and password see above) - Evaluation report see annex 4 “e-Learning courses evaluations” 				
Evaluation of outcomes	<p>Method: a. Control of performance b. evaluation questionnaires filled in by receiving institutes c. evaluation questionnaires filled in by attending students</p> <p>Results:</p> <ul style="list-style-type: none"> a. All courses have been performed. However, in some cases there were minor technical or organizational problems to solve. b. Evaluation by students and receiving institutions: see course evaluation reports, annex 4 				
Describe and justify any changes to or variations from the original workplan	The scheduling of performing the e-Learning courses was more difficult than expected, due to very different semester schedules of the partners. Therefore, activities in stage 8 (course development) and stage 9 (execution of e-Learning courses) had to be pre- or postponed. One course (U Uppsala) has started in Feb 2007, but due to organizational problems and an expedition of the teacher to the Artic, it will be terminated in Oct 2007.				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 10					
Brief description of activity or workpackage	Second project meeting, Münster				
Organisations involved	U Münster, all				
Start date (dd/mm/yyyy)	25/04/2007	End date (dd/mm/yyyy)	27/04/2007	Number of days	27 person days
Aims and objectives	To evaluate the project progress To plan final steps				
Description of specific tasks undertaken and outcomes	Meeting in Münster prepared by detailed agenda. Major topics at the meeting: evaluate overall results and agree on possible corrections, further dissemination and exploitation, prepare final report and cost statement Documentation: annex 5 “meeting minutes Münster”				
Evaluation of outcomes	Method: Provide meeting minutes Result: Approval of meeting minutes by all partners				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 11					
Brief description of activity or workpackage	Implementation of final versions of e-Learning courses				
Organisations involved					
Start date (dd/mm/yyyy)	01/03/2007	End date (dd/mm/yyyy)	30/06/2007	Number of days	103 person days
Aims and objectives	To improve the e-Learning courses				
Description of specific tasks undertaken and outcomes	To make improvements based on the evaluation results Documentation: Teaching materials of 8 e-Learning courses (see annex 3, digital version of this report and project website www.eduGI.net/eduGI - the teaching materials are too many paper for the paper-version of this report). All teaching materials are publicly accessible!				
Evaluation of outcomes	Not applicable, this is the outcome of an evaluation				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 12					
Brief description of activity or workpackage	Exploitation plan				
Organisations involved	U Münster, all				
Start date (dd/mm/yyyy)	25/04/2007	End date (dd/mm/yyyy)	27/04/2007	Number of days	Person days included in overall project management
Aims and objectives	To validate our business model for virtual mobility by re-using and sharing e-Learning resources in a network				
Description of specific tasks undertaken and outcomes	<p>Discussion at second project meeting: 7 of 8 partners agreed on a further exchange of e-Learning courses for a minimum of 3 years. The additional effort of ISEGI-UNL for the provision of the e-Learning platform will be balanced by physical teachers' mobility measures of the partners to Lisbon. We consider this agreement as the most important result of the project: It proves that our approach works, also without further funding after the project.</p> <p>Documentation: Included in annex 5 "meeting minutes Münster"</p>				
Evaluation of outcomes	The agreement about a non-funded follow-up validates our business model of virtual mobility.				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

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Stage 13					
Brief description of activity or workpackage	Project report				
Organisations involved	U Münster				
Start date (dd/mm/yyyy)	01/07/2007	End date (dd/mm/yyyy)	30/09/2007	Number of days	Person days included in overall project management
Aims and objectives	To finalize the project				
Description of specific tasks undertaken and outcomes	Provision of project report and cost statement to the EC Publication of project report (apart from few internal documents) at the project website www.eduGI.net/eduGI				
Evaluation of outcomes	Method: Provision to the EC Result: t.b.d.				
Describe and justify any changes to or variations from the original workplan	Postponed to M 20, according to the official contracted deadline				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 14					
Brief description of activity or workpackage	Project homepage				
Organisations involved	U Münster				
Start date (dd/mm/yyyy)	01/02/2006	End date (dd/mm/yyyy)	31/07/2007	Number of days	20 person days
Aims and objectives	Visibility of the eduGI project				
Description of specific tasks undertaken and outcomes	Project website established and maintained Documentation: www.eduGI.net/eduGI				
Evaluation of outcomes	Not applicable				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

Please add extra sheets if necessary.

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Stage 15					
Brief description of activity or workpackage	International publication				
Organisations involved	U Münster				
Start date (dd/mm/yyyy)	01/03/2007	End date (dd/mm/yyyy)	10/07/2007	Number of days	5 person days
Aims and objectives	To disseminate project results, i.e., the business model for the exchange of e-Learning courses				
Description of specific tasks undertaken and outcomes	<p>Publication (full paper) and presentation: Brox, C. (2007). <u>An e-Learning Business Model</u>. Proceedings of IADIS Multi Conference on Computer Science and Information Systems – e-Learning. Lisbon, Portugal, July 8-10, 2007. http://www.elearning-conf.org/</p> <p>Documentation:</p> <ul style="list-style-type: none"> a. IADIS conference proceedings b. Pre-published version see www.eduGI.net/eduGI 				
Evaluation of outcomes	<p>Method: Paper submission to IADIS</p> <p>Result: Positive review</p>				
Describe and justify any changes to or variations from the original workplan	-				
Impact on the project of changes to the workplan	-				

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Stage 16					
Brief description of activity or workpackage	Personal contacts, emails, project flyer for dissemination				
Organisations involved	all				
Start date (dd/mm/yyyy)	01/09/2007	End date (dd/mm/yyyy)	31/07/2007	Number of days	-
Aims and objectives	To disseminate project results				
Description of specific tasks undertaken and outcomes	After the production of project flyer (Aug 2006), personal contacts/networks were informed about the project. In addition, the flyer was distributed at several conferences, e.g., GIScience 2006, AGILE 2007, IADIS 2007.				
Evaluation of outcomes	In many cases there was a personal feedback, starting with requiring more information until using eduGI results in another EC project (informal list of e-Learning to do's and not-to-do's was used by the Tempus project GI-INDEED).				
Describe and justify any changes to or variations from the original workplan	Instead of waiting for the last project month, we produced a project flyer and addressed personal contacts and networks from then on. In addition, we provided the flyer as hand-out at several conferences.				
Impact on the project of changes to the workplan	Improved visibility				

Please add extra sheets if necessary.

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Stage 17					
Brief description of activity or workpackage	Publication on national level				
Organisations involved	all				
Start date (dd/mm/yyyy)	01/10/2006	End date (dd/mm/yyyy)	31/07/2007	Number of days	16 person days
Aims and objectives	To disseminate project ideas and results				
Description of specific tasks undertaken and outcomes	<p>The partners provided 17 national and international publications and presentations in the context of eduGI.</p> <p>Documentation:</p> <ul style="list-style-type: none"> a. see annex 6 “publications eduGI” (summary in the paper version of this report, access to all publications in the digital version) b. see “publications” at project website www.eduGI.net/eduGI 				
Evaluation of outcomes	<p>Method: Review processes by journals and conferences</p> <p>Result: publications approved</p>				
Describe and justify any changes to or variations from the original workplan	Instead of 8 national publications, the partners provided 17 national and international publications and presentations. Apart from the higher number, we think it an improvements that some of the partners switched from national to international publications, evoking a bigger audience.				
Impact on the project of changes to the workplan	Improved visibility of eduGI				

Please add extra sheets if necessary.

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Stage 18					
Brief description of activity or workpackage	Dissemination workshops				
Organisations involved	All				
Start date (dd/mm/yyyy)	01/04/2007	End date (dd/mm/yyyy)	31/07/2007	Number of days	32 person days
Aims and objectives					
Description of specific tasks undertaken and outcomes					
Evaluation of outcomes					
Describe and justify any changes to or variations from the original workplan					
Impact on the project of changes to the workplan					

Please add extra sheets if necessary.

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Please provide information on the partners that participated in dissemination activities in the whole project duration, in alphabetical order of country code using the table below.

Table 3.5.1 Summary of Dissemination activities

Name of organisation	Brief description of dissemination activity	Date(s) of dissemination activity	Where it took place	Which audiences were targeted in the dissemination activity
TU Vienna	Navratil, Gerhard (2006) "Ein neuer Weg in der universitären Ausbildung". Österreichische Zeitschrift für Vermessung und Geoinformation (VGI), 94. Jahrgang, Heft 4, S. 206-212	2006	AT	E1, E10, E11, E12
BWU Munich	Stephan Mäs und Wolfgang Reinhardt (2007): Europäischer Austausch von GI e-Learning Kursen: ein Erfahrungsbericht. Proceedings AGIT, Salzburg 2007, Austria	2007	AT	E1, E10, E11, E12
TU Vienna/U Uppsala	Workshop eLearning im universitären Einsatz	June 6, 2007	AT	E1, E10, E11, E12
U Münster	Simonis, I. and C. Brox (2006). <u>Teaching SDI and OGC</u> . GSDI-9 (International Conference for Global Spatial Data Infrastructures), Santiago, Chile, November 3-11, 2006. http://www.gsdi9.cl/	Nov 2006	Chile	E1, E10, E11, E12
U West Hungary	JANCOSO, T. , MARKUS, B. [2007]. „Reuse and Sharing of e-Learning Materials inside the EU” TS 4E – e-Learning and Knowledge Management, Proceedings of the FIG Working Week 2007 - Hong Kong SAR, China, 13-17 May 2007, pp11.	May 2007	China	E1, E10, E11, E12

U West Hungary	JANCSO, T. [2007]. „Reuse and Sharing of e-Learning Materials inside the EU” Scientia Est Potentia, Knowledge is Power, Proceedings of the symposium dedicated to the development of curricula, organized jointly by FIG Commission 2 and the Faculty of Civil Engineering CTU in Prague, Aleš Čepěk (Ed.), Prague, 7-9 June 2007, pp47-52	June 2007	CZ	E1, E10, E11, E12
U West Hungary	Paper and presentation “Experiences in and around eLearning” at FIG XXIII Congress and XXIX General Assembly - Shaping the Change, Munich, Germany, 8-13 October 2006, http://www.fig.net/fig2006/techprog.htm , B. Markus, U West Hungary	Oct 2006	DE	E1, E10, E11, E12
BWU Munich	WOLFGANG REINHARDT, STEPHAN MÄS (2007): Erfahrungen beim Austausch von e-Learning-Kursen auf europäischer Ebene. In: Proceedings der Jahrestagung der Deutschen Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation (DGPF) e.V. 2007, Muttentz/Basel	2007	DE	E1, E10, E11, E12
BWU Munich	Wolfgang Reinhardt, Christian Kotthoff (2007): Reinhardt, Wolfgang; Kotthoff, Christian (2007): Studieren in Athen ohne Neubiberg zu verlassen. In: Hochschulkurier, Universität der Bundeswehr München Nr. 29.	2007	DE	E1, E10, E11, E12
BWU Munich	Mäs, Stephan; Reinhardt, Wolfgang (2007): Europaweiter Austausch von GI e-Learning Kursen: ein Erfahrungsbericht. In: Lernen mit Geoinformation II; Jekel, T.; Koller, A.; Strobl, J. (Hrsg.), ISBN 978-3-87907-460-0, Wichmann Verlag, Heidelberg	2007	DE	E1, E10, E11, E12
BWU Munich	BWU Munich: Presentation of the project at the BWU Munich booth at the Intergeo Fair, Munich, 10.-12. October 2006	Oct 2006	DE	E1, E10, E11, E12

BWU Munich	BWU Munich: Meeting DGK AK GIS, 4.May 2007, UniBW Munich, Short description and Project Introduction	May 2007	DE	E1, E10, E11, E12
U Münster/NU Lisbon	Workshop Is e-Learning right for my organization? (announced but cancelled due to low number of participants)	April 27-28, 2007	DE	E1, E10, E11, E12
BWU Munich/U Harokopio	Workshop e-Learning/blended learning – Erfahrungen, Möglichkeiten, Grenzen (announced but cancelled due to low number of participants)	July 2-3, 2007	DE	E1, E10, E11, E12
U Münster	Presentation at the EC eLearning - SOCRATES MINERVA Concertation Meeting, Helsinki, July 3, 2006, "eduGI - Re-use and Sharing of e-Learning Courses in GI Science Education" (C. Brox, U Münster)	July 3, 2006	FI	E1, E10, E11, E12
U Harokopio	Submitted to Greek journal "Geographies": Stefanakis, Emmanuel (2007): Το Έργο eduGI και η Συμμετοχή του Τμήματος Γεωγραφίας του Χαροκόπειου Πανεπιστημίου	2007	GR	E1, E10, E11, E12
U Harokopio/BWU Munich	Workshop GI Education in Greece	May 21-22, 2007	GR	E1, E10, E11, E12
U West Hungary/ITC Enschede	Workshop e-Learning at GIS OPEN 2007 conference	March 13, 2007	HU	E1, E10, E11, E12
All	Distribution of project flyers at GI-related events, e.g., AGILE 2006, AGILE 2007, EUGISES 2006, IADIS 2007	2006/2007	international	E1, E10, E11, E12
U Münster	Participation (questionnaires, interview) at the evaluation of the eLearning programme 2004-2006 by ECOTEC Research & Consulting (commissioned by the European Commission (DG Education and Culture))	2007	international	E14
U Münster	Participation at the in a study of the EACEA co-financed project "Promoting Best Practice in Virtual Campuses (PBP-VC)" which is aimed at investigating virtual campus projects within the EU	2007	international	E14

ITC/U West Hungary	Workshop e-Learning lessons: Experiences and Prospects	May 23, 2007	NL	E1, E10, E11, E12
U Münster	Paper and presentation at EUGISES 2006, Fourth European GIS Education Seminar, Krakov, Poland; "Exchange of complete e-Learning courses" (Brox, Riedemann, Kuhn, U Münster), www.eugises.org	2006	PL	E1, E10, E11, E12
BWU Munich	Gietler, Reinhardt (2006), "Storybooks for teaching GI standards". Abstract and presentation at EUGISES 2006, Fourth European GIS Education Seminar, Krakov, Poland, www.eugises.org	2006	PL	E1, E10, E11, E12
U Münster	Brox, C. (2007). <u>An e-Learning Business Model</u> . Proceedings of IADIS Multi Conference on Computer Science and Information Systems – e-Learning. Lisbon, Portugal, July 8-10, 2007. http://www.elearning-conf.org/	July 2007	PT	E1, E10, E11, E12
NU Lisbon/U Münster	Workshop Approaches to e-Learning Courses Design and Delivery	July 8, 2007	PT	E1, E10, E11, E12
ITC	Connie A. Blok (2007): Sharing E-Courses with European Partners: Experiences with "Geodata Visualization". Proceedings of the XXIII International Cartographic Conference (ICC 2007), 4-10 August 2007, Moscow, Russia	Aug 2007	Russia	E1, E10, E11, E12
U Uppsala/TU Vienna	Workshop Re-use and sharing of e-Learning Courses in GI Science Education	May 31-Juni 1, 2007	SE	E1, E10, E11, E12
NU Lisbon	Painho, M.; Curvelo, P.; Peixoto, M., (2007), "eduGI Project - An International Network for GIScience Courses Exchange", presented at the 7th Annual ESRI Education User Conference, June 16-19, 2007, San Diego Convention Center, California, USA. Paper No. EDUC1499.	June 2007	USA	E1, E10, E11, E12

Please add more sheets if necessary.

Annexes - Codes to be used in the Report

Annex 1. Country and language codes

Code	Country	Code	Country	Code	Language	Code	Language
AT	Austria	IS	Iceland	BG	Bulgarian	LE	Letzeburgesch
BE	Belgium	LI	Liechtenstein	CZ	Czech	LT	Lithuanian
BG	Bulgaria	LT	Lithuania	DA	Danish	LV	Latvian
CY	Cyprus	LU	Luxembourg	DE	German	MT	Maltese
CZ	Czech Republic	LV	Latvia	EE	Estonian	NL	Dutch
DE	Germany	MT	Malta	EL	Greek	NO	Norwegian
DK	Denmark	NL	Netherlands	EN	English	PL	Polish
ES	Spain	NO	Norway	ES	Spanish	PO	Portuguese
EE	Estonia	PL	Poland	FR	French	RO	Romanian
FI	Finland	PT	Portugal	FI	Finnish	SE	Swedish
FR	France	RO	Romania	GA	Irish	SI	Slovene
GR	Greece	SE	Sweden	HU	Hungarian	SK	Slovak
HU	Hungary	SI	Slovenia	IT	Italian	TR	Turkish
IE	Ireland	SK	Slovak Republic	IS	Icelandic		
IT	Italy	TR	Turkey				
		UK	United Kingdom				

Annex 2. Codes for products and results

General aspects			
Code	Type of product	Code	Type of dissemination
A1	Course / module	C1	Commercial sale
A2	Report	C2	Articles / newspapers / journals
A3	Study	C3	Conferences
A4	Learning materials	C4	Training events
A5	Teaching materials	C5	Exhibitions
A6	Curricula	C6	WWW / E-mail
A7	Certification system	C7	Radio / television broadcast
A8	Database / directory	C8	Networks / associations
A9	Network	C9	Libraries / ressource centres
A10	Guidelines	C10	Other (specify)
A11	WWW page		
A12	Other (specify)		

Annex 3. Target groups

Participant / end user profile			
Code	Sector	Code	Category
D1	Preschool	E1	Teachers
D2	Primary education	E2	Head teachers
D3	Secondary education	E3	Advisors / inspectors
D4	Technical / vocational educ.	E4	Pupils / students
D5	Higher education	E5	Language assistants
D6	In-service teacher education	E6	Initial teacher educators
D7	Initial teacher education	E7	In-service teacher educators
D8	Special education	E8	Individuals / general public
D9	Adult education	E9	Users of other Community programmes (specify)
D10	Youth	E10	University academic staff
D11	Regional authority	E11	University managers / administrators
D12	National authority	E12	Academic associations
D13	Other (specify)	E13	Professional associations
		E14	Public sector third parties
		E15	Private sector third parties
		E16	Other (specify)