TECHNICAL IMPLEMENTATION REPORT

Entrepreneurship education

Grant Agreement number: EE-74-NETT

Project acronym: NETT

Project title: NETWORKED ENTREPRENEURSHIP TRAINING OF TRAINERS

Interim Report: ☒

Final Report: ☐

Period covered: **from** 13/12/2012   **to**   12/12/2013

Project co-ordinator name, title and organisation:

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DECLARATION BY THE PROJECT COORDINATOR

I, as coordinator of this project and in line with my obligations as stated in Article I.3.1 of the Grant Agreement declare that:

- The attached technical implementation report represents an accurate description of the work carried out in this project for this reporting period;

- The project (tick as appropriate):

    ☒   has fully achieved its objectives for the period;

    ☐   has achieved most of its objectives for the period with relatively minor deviations;

    ☐ has failed to achieve critical objectives and/or is deviating significantly from the schedule.

- The public web-site is up to date.

- To my best knowledge, the information contained in the financial statement(s) submitted as part of this report is in line with the actual work carried out and consistent with the reported resources and if applicable with the certificates on financial statements.

Name and position of Co-ordinator: Bruno Apolloni

Date: 25/1/2014

Signature: ....

PUBLISHABLE SUMMARY *(to be completed for the **final** report only)*

Networked Entrepreneurship Training of Teachers (NETT) is a project financed by the European Commission, DG Enterprise & Industries, with the aim of gathering a Social Network for improving the entrepreneurship teaching in the European educational system.

The project pivots around an Internet open platform to be set up in the cloud for exchanging contents, tools and methods between (actual or prospective) entrepreneurship teachers. The platform is aimed to support, with the most advanced technologies, a Social Community where people involved in entrepreneurship education will debate on this topic and find concrete helps for realizing an European way of training young people to become entrepreneurs, yet in respect of locally industrial and commercial frameworks. Hence to have the platform being a concrete tool of the mentioned Social Network, the project evolves along the following steps:

1. identify needs
2. assess a platform accordingly
3. run contents on the platform
4. toss the platform on a pilot course

Target groups of the platform are:

- Direct: professionals - teachers, trainers and educators in primary, secondary and tertiary school levels dealing with entrepreneurship education courses;
- Indirect: students and learners in entrepreneurship, any other interested users.

Through the NETT platform the teachers in the entrepreneurship education will have the opportunity of sharing best practices, creating network opportunities, develop self- and peer assessment process, innovate their teaching methods, improve transversal skills and competencies, practices and opportunities.
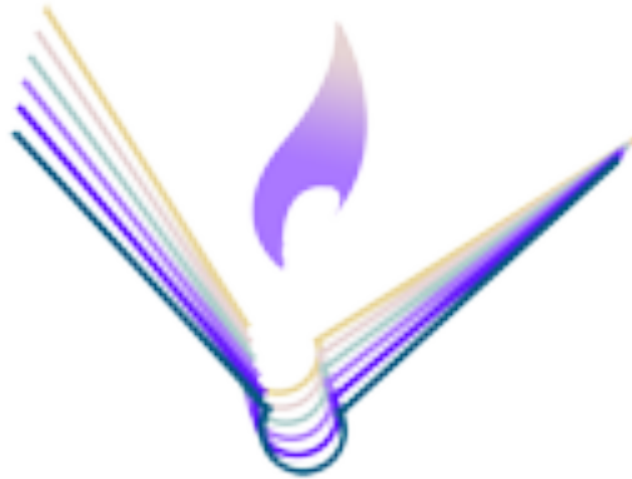
NETT project is aimed at improving the situation of both the direct and indirect target groups. They will have the chance to easily access everywhere from Europe a high quality education tool directly linked with their professional practice. Having entrepreneurship education as a common goal, teachers may network among colleagues; learners may benefit more innovative and high-quality teaching approaches that may result more in line with their learning objectives and styles.

We have devised the platform in the core of the project to constitute the logistic and organization support for a large set of initiatives boiling up in the CE around the common target of promoting and improving the entrepreneurship education in Europe.

In particular, in the first period of the project (12 over 24 months) we have achieved 5 goals:

1. Needs analysis and collection of resources (WP3: D05 to D10);
2. Design and implementation of the NETT platform (WP4: D11, D12);
3. Starting disseminating the project concept (WP7: D22 to D28);
4. Quality assessment (WP2: D03);
5. Management issues (WP1, this report included) by default.

The mentioned deliverable are uploaded on the project website http://www.nett-project.eu, while the project platform is accessible at the URL http://159.149.147.38/nett/mnett/.

CONTENTS

PROJECT PROGRESS AND ACHIEVEMENTS

1. *Project objectives for the period*

The first period of the project (Month 1 - Month 12) has been devoted to achieving the following 5 goals:

1. Needs analysis and collection of resources (WP3; D05 to D10);

2. Design and implementation of the NETT platform (WP4; D11, D12);

3. First phase of the dissemination activities planned (WP7; D22 to D28);

4. Quality assessment (WP2; D03);

5. Management issues (WP1; this report included) by default.

Needs analysis and collection of resources

The first step of the project consisted in the identification of the needs of our direct target (the teachers) to improve their ability in teaching entrepreneurship. Actually, entrepreneurship is an attitude at the frontier between humanities and science. The former may be essentially reported and described, having the synthesis as a main value. The latter may be systematically considered through a network of structured theories and consequent best practices. To get ride of this dichotomy the goal has been to simply collect the opinion of a selected target of teachers, to be used as the basis of further elaboration to devise the NETT platform.

A questionnaire has been developed by the Turkish partner and translated in Italian, Turkish and Bulgarian languages in order to be submitted to teachers in the partner countries. The questionnaire resulted a useful tool o characterize teachers' needs and expectations. Apart from minor details, the entrepreneurship teaching vision revealed enough homogeneous among the countries. For instance a great majority (over 60%) of interviewees in all countries find entrepreneurial skills, traits and behaviours very important. A vast majority (over 75%) acknowledge their scarce preparation to teach these topics and declare their propensity to improve their skills. Almost all interviewees consider that teaching these topics requires non conventional teaching forms, such as learning by doing, visits to companies, etc.

Teaching forms and actual teaching conditions have been deepen in focus groups that have been organized in each country.

Design and implementation of the NETT platform

The platform is in the core of the project. The goal has been twofold: 1) a proper design of functionalities which take into account the results of the previous objective and the general goal of the project in terms of both didactic and social issues, and 2) a wisely technical implementation of the platform, in order to enable the user profiting the most recent ICT advances. The final target is a novel Content Social Learning Management System (CSLMS) embedded into a Social Network and tailored for demanding users. The latter, as teachers, are expecting taking from the platform high quality benefits, in terms of: authoritative advises, reputed materials (especially course contents in the entrepreneurship field) and meaningful interaction with the other members of the Social Network, which go further the usual "I like/I dislike" feedbacks" of most popular

communities of this kind.

The third goal was the population of the social network of contents that are proper (authoritative, as said before) and promptly usable in a very efficient way. This goal passes through a suited ontology among which to locate the contents and efficient/innovative ways of managing it.

Starting disseminating the project concept

While the platform is a privileged tool, a specially alive Social Network is the final goal of the project. To be alive, a social network must be both well populated and diffusely used. To achieve both features, the dissemination of the NETT paradigm is crucial. It is very complex as well, since we are disseminating ideas that are novel, as for the concerned topic, and advanced as for the supporting tools. Now, novel and advanced ideas require unprecedented dissemination tools.

The project web site as well as the NETT logo were developed in the first two months of the project implementation by the Bulgarian partner – ITD. The domain ***nett-project.eu*** is reserved.

The NETT project web site contains shortcuts to the Facebook and LinkedIN pages where the virtual professional communities (VPC) of teachers are established. These discussion forums of VPC are maintained by the consortium members. Keeping alive these NETT VPC communities is one of the main project tasks. The NETT web site maintains a separate part in which partners publish information in their native languages. The Bulgarian, Italian and Turkish communities are established. Arké partner is responsible for managing the Content and Events sections addressed to the Italian Virtual Community. ITD and ECEGED partners have the same responsibilities for the Bulgarian and Turkish Virtual Communities respectively. Events, materials and varied information are published not only in relation to the NETT project but also in relation to the entrepreneurship in more general terms.

The web site is in English language. However, as it was mentioned above, there is a section Communities in which the dissemination of the NETT information and activities is published in the partners' languages. All partners contribute to the content development of the NETT website. The public deliverables and other documents related to NETT project are accessible to everybody who is interested.

According to the NETT dissemination plan the periodical online newsletter is published every four month. Its third issue is already published. The newsletters can be printed on user convenience.

The NETT leaflet with a synthesised info on project objectives, expected results and target audience has been produced and disseminated using all appropriate occasions and forums.

Quality assessment

The quality of service (QoS) is a stronghold of any WEB service and it was embedded into the Quality Assurance Plan for the entire project implementation. The QA plan was developed under the work package (WP2) where ITD partner is responsible for its implementation. A methodology for assessment of the project achievements was developed and based on it the quality assessment procedures are constantly carried out according to the defined time schedule using the approved indicators and quantifiers.

Management issues The project is relatively easy to be managed, thanks to the good cooperation among the partners and the precise focus of all work packages. Rather the timing of the deliverables and the appropriateness of the expenses have to be carefully monitored and secured, given the heterogeneity of the partners and the tight budget constraints posed to the project.

2. *Work progress and achievements during the period*

During this first period (months 1 to 12) the project has been carried out in a substantial agreement with the contents and schedule described in the Grant Agreement. Namely:

1. Within WP1 framework, all activities of the project have been coordinated, monitored and supervised by the coordinator team in a continuous contact with the other partners'.

   a. All WPs of the project did start, with the exception of WP6 which is devoted to the pilot use of the platform, whereas WP4 ended as well.

   b. All planned Deliverable have been uploaded, even though deliverables D10 and D12 need an update to be carried out with the fully use of the platform.

2. Collaboration between partners is almost continuous through:

   a. face-to-face project meetings according to the agreed schedule. A sole exception is represented by the third meeting which was held in Sofia with a delay of some weeks in order to benefit synergy from the EDE (European Day of Entrepreneurship) conference organized in the same place on analogous topics;

   b. e-mails (3 per week on average);

   c. informal Skype conference whenever proper (4 Skype conferences in the period);

   d. shared Dropbox space for common materials as well as the internal part of the web site.

3. The communication with CE has been activated whenever necessary, so that each question point has been solved, and project progresses have been promptly communicated.

4. The budget has been correctly distributed and used. Some slight changes have been requested to the Commission, and they will be detailed in the specific section.

5. The overall quality of the project execution has been constantly monitored and secured.

6. The project is also proactive in stating connections with analogous European projects in order to exploit cross-fertilization and synergies.

WP1 – Project management

UNIMI partner is leading WP1 and all the other partners of the consortium are contributing to its implementation.

The activities are described in Section 4. Here we simply resume them through the standard table

Task carried out	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
T1.1	Month 2	yes	Month 1	The kick-off meeting has been held on January 8th and 9th.
T1.2	Month 18	yes	Mont 18	All planned meeting within the reporting period have been regularly held
T1.4	Month 24	yes	Mont 24	All planned meeting within the reporting period have been regularly carried out
T1.5	Month 24	yes	Mont 24	All planned meeting within the reporting period have been regularly carried out
T1.6	Month 24	yes	Mont 24	All planned meeting within the reporting period have been regularly carried out
T1.7	Month 24	yes	Mont 24	All planned meeting within the reporting period have been regularly carried out
T1.8	Month 12	yes	Month 13	The delay is to synthetize the material and obtain change permissions from CE.

WP2 - Quality Management and evaluation

ITD partner is leading WP2 and all the other partners of the consortium are contributing to its implementation.

During the kick-off meeting the project team agreed on the mechanisms by which to plan and implement quality through the entire project implementation. The NETT project quality management is concentrated on all about which the project coordinator, the partners, and the target groups are working together to ensure effective project implementation. NETT team strives to provide that the project performs as the project plan calls for so that the project deliverables are in alignment with the project scope statement. The deliverables have to satisfy the project requirements and also they have to be usable by the project customers.

According to these decisions and the DoW, a Methodological Framework of the Quality Assurance Plan has been developed. It describes the actual process, procedures and control that have to be applied to all activities concerned with the attainment of a quality assured contracting service. It defines the quality standards to be used, explains how quality requirements will be met, guides the implementation of the quality system and serves as a stable definition of our quality system.

A core set of indicators has been developed. They are instrumental in measuring the expected impacts towards the project's Work Programme. These indicators help the project partners to develop a clear vision about what we would like to achieve and a methodology to actually check if we have achieved it.

Starting from the elements written in Section C of the DoW, the NETT Consortium proceeded with the validation of the criteria for the selection of indicators developed below. It decided to propose a list of 5 success indicators and 5 parameters which allow the partners and the European Commission to assess the results of the project.

We concluded to group indicators according to the expected impacts.

The Methodological Framework of the Quality Assurance Plan is developed as a Deliverable 2.1 to the NETT project. Two internal evaluation tables have been developed as an inseparable part of the QA Plan: 1) Evaluation of Partners' Contribution and 2) Verifiable Criteria for Assessing the Quality of the Project Implementation. They are filled in by each partner considering the relevant reporting period. The results are analysed in the Quality Assurance Interim report.

In synthesis the following results have been achieves:

- Methodological Framework of the Quality Assurance Plan – developed;
- Evaluation of Partners' Contribution table – developed;
- Verifiable Criteria for Assessing the Quality of the Project Implementation table – developed;
- Tables - filled-in by partners;
- QA Interim Report – under development. With the details reported in the following table

Task carried out	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
T2.1 Methodological Framework Quality Plan		YES	M 3	Concluded with D2.1 and embedded in D3 according to DoW
T2.2 Internal Evaluation Questionnaire: Evaluation of Partners' Contribution		YES	At the end of each project meeting	Concluded with D2.1 and filled-in for the relevant periods. Embedded in D3 according to DoW
T2.3 Internal Evaluation Questionnaire: Verifiable Criteria for Assessing the Quality of the Project Implementation		YES	At the end of each project meeting	Concluded with D2.1 and filled-in for the relevant periods. Embedded in D3 according to DoW
T2.4 Interim Report on Internal Evaluation Questionnaire		YES	M 12	Concluded under D3

WP3 - Needs Analysis and collection of resources

EGECED partner is leading WP3 and all the other partners of the consortium are contributing to its implementation.

The main aim of WP3 was to collect and analyse the training needs of primary and secondary school teachers together with some university and vocational education teachers in the specific area of entrepreneurship in each partner country institution. During this WP, partners did initial search on international best practices, projects, documents etc. in teacher entrepreneurship education so a pool of resources created not only in English but also in partner languages. The WP started on January 2013 immediately after kick off meeting and ended in July 2013. This WP has a few steps:

1. A quantitative questionnaire has been prepared and translated into partner languages. D05
2. All partners selected minimum 25 teachers from different level of schools and questionnaires are applied to those target groups. Upon Officer authorization, the two Italian partners merged their effort in a unique interviewing campaign, gathering 35 interviewees.
3. The results of questionnaires have been recorded in the same format in all partner countries.
4. Each partner prepared a national qualitative national report and sent it to the leading partner EGECED. D06.
5. In order to collect deeper perception of teachers in all countries a focus group meeting has been organized with teachers who joined the quantitative research stage. The focus group instructions and reporting template has been prepared by the leading partner and sent to the other partners. As a result each partner country prepared a focus group report and send to the leading partner. D07.
6. As result of qualitative and quantitative research phases a survey report has been prepared by all partners. D08.
7. Leading partner EGECED prepared an international comparative analysis research report with contribution of all partners. D09.
8. During WP all partners started to search and collect best practices, resources, and existing materials on entrepreneurship education in order to create a useful collection. These resources have been classified for thematic areas and are currently uploaded on the NETT platform within WP5 workload. D10.

In conclusion the WP has no delay, all deliverables submitted on time and all partners accomplish their tasks in time.

Task carried out	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
D5 - questionnaires for teachers	Month 2	Yes	Month 2	
D6 - National reports on questionnaires (teachers)	Month 3	Yes	Month 3	

D7 - National focus - group reports (teachers)	Month 4	Yes	Month 6	
D8 - National Survey reports (teachers)	Month 4	Yes	Month 6	
D9 - International Comparative analysis Results	Month 5	Yes	Month 7	
D10 - Selection of training material and resources	Month 7	Yes	Month 8	

WP4 - Design and development of the Online Learning Platform

UNIMI partner is leading WP4 and Arché and ITD partners are contributing to its implementation.

WP4 is devoted to the design and development of the NETT platform. Apart from the preliminary literature researches and brainstorming, this activity concretely started with the Izmir project meeting, where the strongholds of the platform have been put in the whiteboard and in the meeting minutes.

Since this date (May, 23th) the UNIMI team worked jointly with Arché team to formalize the functional platform requirements. After Izmir meeting (May 23-24) Arché and ITD finalised the platform requirements, as reported in deliverable D11. By the way, for a strange reason the deliverable is mentioned but not reckoned in the Grant Agreement. However, we assumed it essential to the project; hence we produced it and uploaded it in the project website.

With the progress of this deliverable, the Milano team realized the need of enriching its competence with the enrolment of two new members, in the persons of Drs. Marco Mesiti and Stefano Valtolina who are experts on databases and social networks. In this new asset, the team started the implementation of the platform on June.

During the Sofia Meeting on October 24th-25th the platform has been presented to the partners and jointly tested w.r.t. the needs of the generic user. After exhaustive test ITD listed recommendations to the improvement of the platform prototype. On the same date the deliverable D12 has been uploaded on the project website. However, the social functionalities of the platform need further implementation. This looks to be physiologic, as these functionalities are tightly linked to the actual usage of the platform, at least on the part of a test community. We plan to produce an update of D12 by month 18, before the start of the pilot courses.

In summary:

T4.1	*Design and organizational Specifications for the online learning platform.*	Concluded with D11
T4.2	*Development of prototypes of the learning platform.*	Concluded with D12
T4.3	*Testing the prototype*	Concluded in a preliminary way

In synthesis, in this work package, we:

1. Introduced the NETT platform paradigm in terms of contents inventory and retrieval, metadata management, courses assembling and all basic functionalities made available to the different users of the NETT platform;

2. Identified within the open source WEB repository the basic tools that are suitable to carry out the Learning Management System and the Social Networking System of the NETT platform;

3. Integrated these tools in our paradigm through a wise reconfiguration of specific modules and the production of new ones;

    Provided operational details on the current implementation of the system.

For establishing the NETT platform we implemented results from the integration of Moodle and Mahara modules into the widest framework of the NETT paradigm. Both are open source systems.

The selected learning management system (LMS) is Moolde. It is one of the most widely used all over the world at the school and university level. Mahara is compatible with Moodle - for maintaining of the social network. Though the integration required the production of new modules, besides a heavy reworking of many ones provided by Moodle, some more modules will be generated by a next release in order to fully implement additional relevant functionalities: social network functionalities, such as interest communities based on particular entrepreneurship skills, advanced recommender system and gamification.

In conclusion, the platform is operational at the URL http://159.149.147.38/nett/mnett/ and a User Manual is available (though in a preliminary issue) on the project website. The platform accessibility follows the roles of the Moodle (guest, user=student, contributor=teacher administrator) but it has additionally two roles – expert and master with permissions for rate published learning resources and activities.

The main functionalities are:

- for the repository:
    - browsing,
    - retrieving,
    - uploading a content (learning resources and activities) on the part of the user, and giving permissions, evaluating contents, recommending contents, on the part of the system.
- for the learning management system:
    - creating courses;
    - selecting the learning resources and activities.

The ultimate goal is the production of specific courses on entrepreneurship education on the part of the user, where a course is a collection of modules, which are the building blocks of our CMS and are in turn consisting of a collection of contents, such as lectures, methods, slides, etc.

Refinements of the platform, as well as deeper testing of it, will come in the future with an effective use of the platform endowed with proper contents. A preliminary document on the use of decision trees and clustering methods guiding teachers to produce ad hoc courses is available on the project website.

In synthesis the task achievement table is the following one:

Task carried out	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
T4.1	Month 6	no	Month 7	All objective of the tasks achieved Physiological delay
T4.2	Month 9	no	Mont 10	The completion of some tasks will come with the concrete use of the platform
T4.3	Month 9	no	Mont 10	The testing completion will come with the concrete use of the platform

WP5 - Design and content integration of teacher resources and training

EGECED partner is leading WP5 and all the other partners of the consortium are contributing to its implementation.

The online platform has been established. An online platform organization document has been prepared. The content structure of the online platform is based on the methods and methodology from WP3. Partners started to collect raining materials, documents, links, projects, etc., both in English and in partner languages are being selected and collected which then will be integrated into the platform. Some of the training materials have already been uploaded to the platform. An online community for professionals from IT, BG and TR has been launched.

Task carried out	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
D14- Online community of Professionals	Month 12	Yes	Month 10	IT, BG and TR online communities created.
D15 -Set of the online Forum	Month 13	Yes	Month 12	Process is continuing.
D16 - Multilingual Learning Platform	Month 13	Yes	Month 12	The content is ready, after uploading all materials the translation will be done.

WP6 - Organization of Teacher Training and evaluation.

Arché partner is leading WP6

The beginning of this work package is foreseen on month 19th of the project. However Arké has been closely working with partners in each of the previous phases of the project in order to better prepare WP6 to take place in the future. Hence although the objectives of this WP have not been achieved yet (testing of the Online Platform and Evaluation of the NETT platform training) Arké is working with partners in order to:

- collect high quality training material to upload in the platform and to be used for the training;
- creating contacts and networking with potential teachers that might be interested in undertaking the pilot training;
- analysis of best online courses in entrepreneurship.

Moreover Arké needed to wait the completion of a first version and testing of the NETT platform in order to launch the Pilot course and to advertise and recruit possible interested teachers.

For these reasons at the moment there are no deviations from the Annex I of the Grant Agreement. For these same reasons the table proposed has not been filled out.

WP7 - Dissemination activities

ITD partner is leading WP7.

According to the project plan, the dissemination strategy was one of the first documents delivered by the ITD and for its development ITD was supported by all the other partners. The implementation of the Dissemination Plan is laid down on the following principles:

- Each project partner develops own (national) dissemination action plan;
- All project partners are involved in the dissemination activities performance and the tasks are clearly distributed among them;
- Two levels of dissemination activities:
  - o Internal level – dissemination activities within the consortium members for the purposes of the effective project implementation;
  - o External level – dissemination activities open to the wide range of specified target audience

The main objectives of the dissemination plane are to:

- provide dissemination plan on how both NETT results, methodology, and software platform can best be disseminated and used within the NETT communities;
- present and widen the target groups;
- analyse existing channels for prospective NETT dissemination;
- ensure that the NETT platform and methodology will be used in EU countries.

The project web site was developed in the first two months of the project by the Bulgarian partner – ITD. The domain *nett-project.eu* is reserved. The NETT web site is based on Drupal content management system. It is split in two parts: internal (open to the project consortium partners) and external (accessible by the wide public). Each member of the NETT consortium has the right to access the internal part of the web site. Each consortium organisation maintains the web site by nominating a member of its team who has an administrative account. Detailed description of the NETT web site and NETT logo are done in D26.

As it was mentioned above besides conventional dissemination channels, such as conferences and gadgets, the NETT project uses some of the famous social networks as LinkedIn and Facebook. The English version is the official one for the NETT project groups. After the first Facebook and LinkedIn activities the NETT consortium took decision to create sub-groups as well as a web site part in Bulgarian, Italian and Turkish languages to share NETT ideas on the partners' languages. The subscribers of the LinkedIn Italian NETT community and Bulgarian Facebook community are mainly teachers.

The NETT project online newsletter is issued every four-month period. It provides news about the project progress and achievements, activities related to entrepreneurship in partner countries or at a European level. The project website provides opportunity for a subscription for the online newsletter.

The paper-based dissemination materials – the NETT leaflet and newsletter (it could be printed) – are developed and disseminated.

One scientific paper was reported on the 17th International Conference in Knowledge Based and Intelligent Information and Engineering Systems - KES2013 by Italian partners.

The NETT project was reported at several events as:

- **EURORESO** - an International Association with a scientific and educational purpose. Its members are from 27 EU countries, November 22, 2013, Sofia, Bulgaria, *http://www.euroreso.eu/*
  Every year *EURORESO* organizes international dissemination meeting in order to disseminate the Project of network members.
- The biggest event – 11th issue of the **European Day of the Entrepreneur**, BG, October 24-25, Sofia, Bulgaria, http://ede.uni-sofia.bg. Its slogan was: Science in Support to the Innovation in Economy.

  Basic lecturers were representatives from the European Commission, the state administration, associations, branch organisations, foreign, national and local authorities, non-governmental sector representatives and universities who are stakeholders in the innovation and entrepreneurial processes.

  During the last meeting of the NETT consortium a decision has been taken to invite the teams of all projects acting under the call "Entrepreneurship Education" 2012, namely: TES, YEDAC, EEC, CONNECT, NETT, ENTREDU and ASTEE. It has been considered with the European Commission (DG ENTR, SMEs and Entrepreneurship unit, Mr. Baldassarri).

  NETT team carried out 2 panel sessions.

  The first panel session was titled ENTREPRENEUR IS MADE, NOT BORN. The NETT team offered an occasion of cross-fertilization and coordination to these teams by organizing a special session on education for entrepreneurship. The format was a set of individual presentations followed by a panel discussion. The second session was INNOVATIVE TOOLS FOR EDUCATION.

  The EDE forum was attended by more than 500 participants. Full report on the EDE forum as well as the EDE Agenda are published under Deliverable 22.1: European Day of the Entrepreneur 24-25/10/2013, Sofia Bulgaria(According to NETT Dissemination plan)

- **EDUsummIT** - October 1-2, 2013, Washington D.C., United States of America, Research-informed strategies to address educational challenges in a digitally networked world, *http://www.edusummit.nl/*
- **Teacher Trainings** – July-August, 2013, Sarafovo, Bulgaria

The following WP tasks are due in the following months of the project:

Task carried out	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
T 7.1 Dissemination plan	M 2	Yes	M 2	Concluded with D22
T 7.2 Realisation of a four monthly newsletter	From M 4 ongoing	Ongoing	Ongoing	Concluded with D23, D25, D28 The first three newsletters are published on time
T 7.3 Continuous communication - online Social Network	M 6	Ongoing	Ongoing	The periodically brainstorming are established
T 7.4 Establishment of the NETT project website	M 8	Yes	M 8	Concluded with D26

T 7.5 Realisation of the electronic and paper project leaflet in English language	M 10	Yes	M 10	Concluded with D27

WP8 - Exploitation and Sustainability.

Arché partner is leading WP8.

The beginning of this work package was in month 1 of the project although the first deliverable is due on month 16 (Protocols and copyright agreements) and the last one on month 24 (Post exploitation plan).

The main objectives of this WP is to use, diffuse and integrate the NETT platform into the partners' daily practice and activities and in those of other Local, National and European institutions at different levels (Vocational training, university and so on).

At this stage, Arké has been working in supporting the dissemination activities of the NETT project in order to let people know the NETT platform at any level and zone in order to establish relations with different kind of institutions and stakeholders. In this sense Arké not only participated in TEL 2013, and to the SIAM event, but it is monitoring events where it is possible to meet partners and companies involved in various entrepreneurship education projects (banks , universities, training institutions, communications companies, schools).

Since the platform has reached a stable stage only recently, it hasn't been diffused and used by anyone outside the NETT consortium yet. However, Arké intends to work in the following months as from the GANTT chart, in order to diffuse the knowledge and use of the NETT platform and to establish any copyright agreement for its exploitation.

There is no Deliverable linked the Initial Exploitation Plan foreseen for the NETT project, however Arké will create an Exploitation Plan to be shared with all the partners and with the contribution of all the partners. First step will be to identify and contact public and private institutions willing to exploit and use the results of this project and transfer them in their daily practice

Indeed, Arké thought it would have been better to prepare an Exploitation Plan after the completion of the first internal experimentation of the NETT platform, so a robust demo version of it might have been available to external institutions and stakeholders interested in the product. The creation of the Exploitation Plan will take place in month 13 of the project by Arké.

No special impact is foreseen for this change to the other project activities

The following WP tasks are due in the following months of the project:

Task carried out	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
Exploitation plan	Month 1	NO	Month 13	The plan is at an early version. Final version is now in progress by taking into account the assessed features of the NETT platform.
Exploitation activities	Month 13	ongoing	Month 24	Preparatory stage

3. *Deliverables Table*

Deliverables (other than interim and final reports)

Table 2. Deliverables									
Del. no.	*Deliverable name*	*WP no.*	*Lead participa nt*	Nature	*Dissemina tion level*	*Due delivery date from Annex I*	*Delivere d Yes/No*	*Actual / Forecast delivery date*	*Comments*
D5	*Questionnaires for teachers*	3	*EGECED*	*document*	*National*	*Month 2*	*YES*	*Month 2*	
D22	*Dissemination plan*	*7*	*ITD*	*document*	*Internatio nal*	*Month 2*	*YES*	*Month 2*	*Concludes T7.1*
D22. 1	*European Day of the Entrepreneur* *(24-25/10/2013, According to Dissemination plan)*	*7*	*ITD*	*document*	*Internatio nal*	*Month 10*	*YES*	*M10*	
D6	*National reports on questionnaires*	*3*	*EGECED*	*document*	*National*	*Month 3*	*YES*	*Month 3*	
D7	*National focus group report*	*3*	*EGECED*	*event*	*National*	*month 4*	*YES*	*month 4*	
D8	*National Survey reports*	*3*	*EGECED*	*document*	*National*	*Month 4*	*YES*	*Month 6*	*Data collection and elaboration took longer time that expected*
D23	*Fourthly European Electonic Newsletter*	*7*	*ITD*	*document*	*Inertantio nal*	*From Month 4*	*YES*	*From Month 4*	*the first three newsletters are published on time*
D9	*International Comparative analysis Results*	*3*	*EGECED*	*document*	*Internatio nal*	*Month 5*	*YES*	*Month 7*	*As a consequence of D8 delay*

D11	*Online Platform Organizational document*	*4*	*UNIMI*	*document*	*International*	*N.A.*	*YES*	*Mont 12*	*The deliverable is not expressly mentioned in the DoW*
D24	*Use of Virtual project space in Social Networks and articles published in the local press*	*7*	*ITD*	*document*	*national and international*	*month 6*	*N.A.*	*month 6 ongoing*	*Some activities have been completed others will be carried out further during the second half of the project*
D10	*Selection of training material and resources*	*3*	*EGECED*	*document*	*International*	*Month 7*	*YES*	*Month 8*	*Still a consequence of D8 delay*
D26	*Project website and relevant tools*	*2*	*ITD*	*software*	*International*	*Month 8*	*YES*	*Month 4*	*The website is continuously maintained and improved*
D12	*Online learning platform prototype*	*4*	*UNIMI*	*software*	*International*	*Month 9*	*YES*	*Month 12*	*The prototype functionalities will be enriched along the entire project development*
D27	*project leaflet (electronic and paper)*	*7*	*ITD*	*document*	*Inrernational*	*Month 10*	*YES*	*Month 10*	*Concludes with T7.5*
D1	*Interim report*	*1*	*UNIMI*	*document*	*International*	*Month 12*	*YES*	*Month 13*	*The delay is to synthetize the material and obtain change permissions from CE*
D3	*Interim Report on Internal Evaluation Questionnaire*	*2*	*ITD*	*document*	*International*	*Month 12*	*YES*	*Month 12*	*Concludes T2.4*
D14	*Launch of the Online Community*	*5*	*EGECED*	*tool*	*national and international*	*month 12*	*YES*	*month 6/12*	*At website level the Community has been started since month 6. At platform level it is starting in this period*

| D15 | Set of the Online forum | 5 | EGECED | tool | national and international | month 12 | YES | month 6/12 | Same distinction as above |

4. *Project management*

The management work performed during the first year of NETT project was focused on two major goals:

1) to establish and ensure an effective and appropriate collaboration among beneficiaries,

2) to improve the visibility of the project.

In order to fulfil these tasks the kick-off meeting was held in Milan at the very beginning of the project life, appointing project boards and establishing the management procedure for all necessary administrative and technical tasks within the project. Furthermore several Skype technical meetings were called in order to allow a deeper cooperation in carrying on project objectives.

The management activities during this first six-month period included:

- the general financial management of the EC funding. In particular the coordinator distributed the pre-financing received by the EC between 11-17/12 2012 to all beneficiaries as indicated in the following table

Partner	Amount paid (in EURO)	Date of payment
UNIMI	21.498,65	31/12/12
ARHE'	20.878,85	8/02/13
EGECED	14.257,04	3/05/13
ITD	14.440,73	8/02/13

- providing partners with detailed and updated information on consortium organization and financial management rules;
- collecting and checking partners' financial information;
- gathering necessary information and materials for the preparation and submission of management report, activity report and deliverables. In order to improve the technical quality of deliverables and project reports, ITD has created a suitable template for them that is easily editable. Templates for meeting agenda and minutes have been created as well.

Even if the NETT coordinator was in charge of the overall administrative and financial tasks for the project, WP leaders had an important role in preparing project deliverables, collecting involved partners' contributions and cooperating with the coordinator in organizing Skype meetings. They have also been responsible for the monitoring of WP activities and the quality check of deliverables and reports.

NETT project officially started on 13th December 2012.

According to the clauses contained in the GA, the following project bodies have been appointed during the kick-off meeting:

- Project Manager: UNIMI (Bruno Apolloni)
- Co-ordinator: UNIMI (Bruno Apolloni)
- Scientific Manager: Arke (Maurizio Mesenzani)

- Quality Manager: ITD (Mirolyuba Madjarova)
- Technical Manager: UNIMI (Marco Trubian)
- Executive Committee: Emin Bakay (EGECED), Eugenia Kovatcheva (ITD), Maurizio Mesenzani (Arkè), Raffaella Folgieri (Unimi).

For all meetings, an agenda is prepared by the coordinator and distributed before the meeting to all partners. After all meetings the coordinator provided their minutes which were distributed to all partners and uploaded on the internal project dropbox folder with all presentations.

Project internal meetings

During the first twelve months of NETT project the following meetings have been held:

1) Skype– meeting (December 12):

The meeting have been called by UNIMI to organize the kickoff meeting

2) Kick-off meeting (Milan, January 8th -9th 2013):

The meeting had the aim to give the official start to the NETT Project, summing up project's objectives and workplan, management specifications and appointing project bodies.

3) 1st project meeting (Izmir, May 23th –24th, 2013)

The meeting was focused on:

- analysis on collected questionnaires and other collected materials
- discussion of current and past dissemination activities
- discussion on the general features of the project platforms and discussion on platform ontology
- The project Newsletter
- next 4 months programming as for quality management, material collection, platform assessment and planning of responsibilities

4) Bilateral Skype –meeting (April 5) – UNIMI and ITD

First discussion about the platform requirements: selection of the Learning Management System (LMS)

5) Bilateral Skype meeting (July 5)

The meeting was held between UNIMI, and ITD to discuss Second Project Newsletter.

6) Trilateral Skype– meeting (July 12):

The meeting has been held between UNIMI, ARRCHE' and ITD to discuss about platform ontology and main technological options on the platform

7) Bilateral Skype– meeting (July 12):

The meeting was held between UNIMI, and ITD to test an early version of the platform

8) Trilateral Skype– meeting (July 12):

The meeting was held between UNIMI, EGECED and ITD to organize the contribution of NETT to the EDE Conference collocated with the 2nd project meeting.

9) Bilateral Skype meeting (September 11)

The meeting was held between UNIMI, and ITD to test the current version of the platform

10) 2ⁿᵈ project meeting (Sofia, October 24ᵗʰ –25ᵗʰ, 2013)

The meeting was focused on:

- Financial assessment;
- Presentation and validation of the NETT platform;
- Deliverable reckoning;
- Next 6 months programming as for quality management, platform improvement and material collection.

Deviation from the work plan

The project evolved in accordance with the schedule implicitly contained in the GA. The sole slight changes concern deliverable D10 and D12. Of them, we uploaded the current versions on the project web-site in time. However we expect a further release in 8 months when the platform becomes fully operational and used by the target users. On the basis of their feedbacks, both platform contents will increase and some social functionality of the platform will be well tuned.

Other slight shifts (2 months) with respect our internal schedule did concern deliverables D8 and D9, due to the complexity of the data collection and elaboration activities.

Deviation from the planned resources

1. along the first year some turnover and job changes did occur in the team of some partners. Namely:
    i. University of Milan:
        a. Dr. Raffaella Folgieri contributed ot the project for a limited amount of hours (30), while, due to the needs of the project, two further researchers have been enrolled, namely:
        b. Dr. Marco Mesiti, assistant professor, see attached CV
        c. Dr. Stefano Valtolina, assistant professor, see attached CV.
        Moreover, two students and a free lance expert did cooperate to the project without charge, apart from mission expenses made necessary of merge experts from the various teams:
        d. Francesco Epifania, PhD student, see attached CV
        e. Ceccilia Maffini, BS graduated on December 5ᵗʰ, 2013
        f. Gian Luca Galliani senior professional on websites, see attached CV.
    ii. Arché:
        a. Dr. Ivano Cesareo
            1. - Since the 14th of March he worked on a part-time basis on each day of the week rather than only on three days of the week;
            2. - Since the 1st of September 2013 his contract hours increased from 18 hours per week to 25 hours week.

        b. Dr. Flavia Costa left the staff. Hence, the amount of 6.000,00€ planned for her cost moved to the personnel cost of the Project Manager Maurizio Mesenzani who undertakes the activities originally allotted to Costa.

iii.   ITD changed the names of the participants to the project meetings. Namely, in place of Roumen Nikolov the meeting have been attended by other members of the ITD team: Eugenia Kovatcheva and Miroljuba Madjarova

2. Budget changes:

I. University of Milan:
   a. moving 1600€ from consumables to travels. The request comes form the widening of the Milano team and the convenience of having part of it attending the project meetings and from real costs borne during the abroad missions that where a bit higher than those prospected in the proposal -- in spite of the usage of low cost flight companies and special-fare hotels. Since the next meetings will be in Milan, these extra-costs will be circumscribed to the first period. Rather from this shift 990,74€ will be available for one-person (Bruno Apolloni) attending to EDUCON2014 – IEEE Global Engineering Education Conference, 3-5 April 2014, Turkey, with the same cost (included a 380€ registration fee), where a paper discussing NETT project has been accepted. This is in substitution of the two conferences, ECIE 2013 - 8th European Conference on Innovation and Entrepreneurship, September 2013 (for a cost of 816,00 €) and 2013 EFMD Entrepreneurship Conference, 4-5 march 2013 (for a cost of 544,00€), that have not been attended because of lack of available results to illustrated.
   b. moving 490€ from Arché miscellaneous to UNIMI miscellaneous and 2000€ internally from consumable to miscellaneous. The second request, agreed by Arché derives again from the actual costs incurred for the catering and social dinner (both voices confirmed eligible by Dr. Valenta). I highlight that one catering has been at the service of a dissemination activity (the Entrepreunership day of May 4th, Milan, see attached poster) and two more catering will be at the service of further two meetings in Milano next year. Arché agrees on the budget exchange, since the catering of the previous meetings was entirely covered by Milano University.

II. ARCHE':
   a. Substituting the attendance to the conference ECIE 2013 - 8th European Conference on Innovation and Entrepreneurship, September 2013 (for a cost of 816,00 €), that has not been attended for the same UNIMI's reasons, with the attendance of two people (Maurizio Mesenzani and Lucilla Crosta) to the Startup Weekend Edinburgh 2014: Cleanweb Edition11 – 13 April 2014 for a cost of 976€. The difference between the two costs will be covered by a saving on the past travel expenses.
   b. moving 6.000€ inside the chapter "internal staff " for the motivations illustrated at the point 1.ii.b. The shift is totally internal without changes in the total amount of the personnel costs.

III. EGECED:
   a. moving 765,27 € from travels to miscellaneous. Actually, no miscellaneous expense was considered in the original budget for EGECED. By converse, they paid the catering of the Izmir (fist NETT) meeting. Thus they need find out funds for the actual catering payment, that is exactly 765,27 €.
   b. Also EGECED did not attend European Conference on Innovation and Entrepreneurship, September 2013 (for a cost of 846,00 €, included a

registration fee of 400€). It plans to reuse this amount for one- person (Emin Bakay) attending the ICSB 2014 world conference on Entrepreneurship 11-14 June, Dublin

IV. ITD:

    a. Change of destination of part of the miscellaneous costs, 1400€, from "organization of testing events" to "Catering of project meeting", for an amount of 383,47 €, and "Organizational costs for project meeting ", for an amount of 214,74 €.

    b. ITD also did not attend both ECIE 2013 - 8th European Conference on Innovation and Entrepreneurship, September 2013 (for a cost of 896,00 €) and 2013 EFMD Entrepreneurship Conference, 4-5 march 2013 (for a cost of 624,00€). It plans to reuse this amount for attending (two person Roumen Nikolov and Eugenia Kovatcheva)
ICSB 2014 world conference on Entrepreneurship 11-14 June, Dublin .

Use of the project web-site

The project website (http://nett-project.eu/) has been setup since the beginning of the project. It reports the project objectives, the deliverables and the links to social networks.

Dissemination activities during this period

Besides the peer-to-peer dissemination operated by the single member of the partner teams, in this period the dissemination has been carried out through four dedicated events:

1. Giornata dell'imprenditorialità: a one day workshop, held in Milano on May 4th, on the entrepreneurship education to discuss about entrepreneurship and the purpose to reward the best scholar composition about entrepreneurship.

2. **The European Day of the Entrepreneur** (EDE) was carried out under the auspices of the Bulgarian Ministry of Economy and Energy and the Representation of the European Commission in Bulgaria on 24 - 25 October 2013 at the Inter Expo Centre, Sofia, Bulgaria. EDE '2013 was organised by a wide network of partners: all the relevant Ministries, more than 20 representative public, non-governmental and private structures. Many international organisations show an interest in the different sessions and events held within the framework of EDE.

    Detailed report on the EDE has been presented under Deliverable 22.1 according to the NETT Dissemination Plan.

ANNEX

A1. WEB tools:

      a. project website http://www.nett-project.eu,
      b. project platform http://159.149.147.38/nett/mnett/

A2. Dissemination events:

      a. Giornata dell'impreditorialità – attached poster
      b. The European Day of the Entrepreneur – Attached program

A3. Publications

      a. Socializing Entrepreneurship, B. Apolloni, G. Galliani, C. Zizzo, F. Epifania, L. Crosta, I. Cesareo (http://www.sciencedirect.com/science/article/pii/S1877050913009058)