



LeTeEm - Learners, Teachers and Employers

WP3 Develop and run Training Courses

Partner 3: Sofia University

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D. 3.1: WP3 Detailed Implementation Plan – link

D. 3.2: Missing from the proposal

D. 3.3: Materials for Training Courses - link folder – delayed – due to the summer period and lack of confidence that all partners agreed with the proposed approach. Work started on time – on June 17th 2014 a Draft curriculum was posted on Basecamp. Intensive work was resumed in September (month 11).

D. 3.4: Training course of teachers/teacher trainers – delayed until difficulties sorted out with the help of Basecamp discussions and a Skype meeting on October 15th, 2014. Delivered in month 11 as a complete prototype on the platform. Decision taken to do a pilot training first and then go on to further training courses.

D. 3.5: Online webinars – delayed until the pilot TT and the first “proper” training courses completed but 2 of them delivered and recorded - <http://phls.uni-sofia.bg/elearning/article/search/?search=Leteem>.

D. 3.6: Analysis of Training Courses – in its official final form due to the large amount of data it is still being processed, qualitative highlights presented at the meeting.



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Main difficulties which led to delayed delivery of WP 3

- Conceptualizing the proposed methodology of LbD4All and putting it into the context of secondary education using e-learning tools.
- Making the conceptual frame accessible and meaningful to a larger audience of teachers and teacher trainers, school principals across Europe.
- Taking real life circumstances into consideration and putting this into the teacher training course (Dynamic online & offline environments; Rapid development of software, apps and devices; Businesses support and promote the above; Educational institutions gradually open up to the dynamic ICT changes; A need for these to establish a common space and acknowledge mutual benefits by collaborating offline and online).
- Combining the conceptual framework with the e-learning platform and e-learning aspect required to be built into this WP.

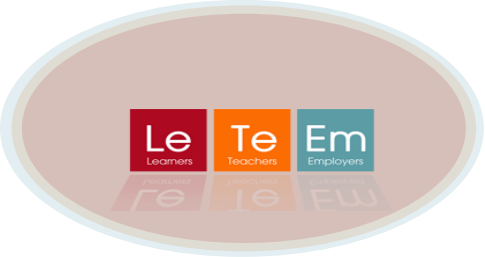


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Results and findings of the TT

- Systematic training carried out through a specially designed e-learning platform <http://leteem-moodle.ictthatworks.org/>
- Systematic training based on the LbD4All adapted for schools. Outputs from previous WP incorporated in the training.
- Teacher training facilitated by the integrated e-learning platform (this was partially done offline / in a blended manner).
- Opportunity to participate in a hyper locality context together with colleagues and trainers from different countries and of various experience: (Bulgarian, Belgian, Finnish, Dutch, Romanian, Scottish teachers working collaboratively).
- Project partnership strengthened as a result of having to negotiate and adopt an approach to completing this WP.



Highlights from TT feedback

- Hands-on experience of Web 2.0 tools and strategies for implementing e-learning channels and cross-curricular teaching in own practice
- Preparation for effective interaction with employers on a LeTeEm learning project based on the LbD4All Action Model.
- Development of theory and practice oriented materials supporting the implementation of the above in a school context.
- Pre & post-questionnaires (300 Word document pages being analysed by Ivanka and Nina qualitatively and quantitatively by UWS)

Quantitative results: summary

- **Number of teacher training courses across countries:**

Six online courses

Four from November 2014 to January 2015 delivered across the consortium

Two from April 2015 to May 2015 opened to interested schools and teachers from countries outside the partnership.

Three blended courses (in 3 schools in Bulgaria) in January 2015 – teachers completed the questionnaires and had access to the training materials but were trained mainly during face-to-face seminars.

One face-to-face course run in Finland with 60 teachers



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Quantitative results: summary

Numbers of trained teachers:

Through the platform (entirely online or blended)

LeTeEm teacher Training Course (English) – 50 (including 3 partners)

LeTeEm teacher Training Course 2 (English) – 28 (including 2 partners)

LeTeEm teacher Training Course (Bulgaria) – 128 (including 3 partners)

LeTeEm teacher Training April 2015 (English) – 18 (including 4 partners)

LeTeEm teacher Training April 2015 (Bulgaria) – 37 (including 3 partners)

LeTeEm teacher Training Finland – 11 (including 5 partners)

Entirely offline

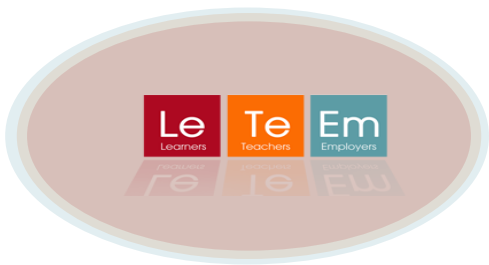
Finland – 60 teachers



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Qualitative results: summary

- At the start Ts declare familiarity with Web 2.0 and e-learning and manage to give relevant examples. They find it difficult however to conceptualise the use of these in their teaching practice.
- They are not familiar with LbD, but share an openness to learn about it and some of them manage to guess successfully the meaning of the LbD dimensions.
- At the end there are indications that Ts can use the proposed methodology in order to combine education with real life demands.
- Demonstrated awareness of the importance of systematized pedagogical and theoretical information can be helpful in developing tangible products of their work in and out of class.
- Demonstrated awareness that online communication, information, collaboration can be helpful in their day-to-day tasks.
- Demonstrated readiness to discuss and present online what is done offline, to share and multiply what they have done.



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Qualitative results: summary

Examining the behavior of registered users on the platform, 3 modes of such can be defined:

- active users – follow the tasks and take part in online discussions contributing to their development and access the “static” parts of the course
- semi-active users – do not take part in all discussions preferring to access the “static” parts of the course
- Lurkers – use the platform as a database of information

This might be due to the combination of established offline modes of teacher behavior and the reluctance to move to a more appropriate online behavior of not simply a user or someone who has the answers but someone who shares content and contributes to its development and further creation.



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LeTeEm Teacher Training Course

Target audience

Teacher trainers and teachers interested in the opportunities to apply the LbD4All as adapted for use at secondary school level

Course outcomes

- As a result of undergoing the LeTeEm teacher training course participants will
- Gain an in-depth understanding of the needs and requirements of modern-day education with regard to establishing connections with the world of work
- Gain an in-depth understanding of the LbD for schools methodology
- Discuss and reflect on relevant theoretical issues and their implications for contemporary school education
- Learn how to plan, carry out, conclude and evaluate a LeTeEm project at their school

Suggested course duration and mode of delivery

- Intensive – over one week
- Distributed – over two or three weeks
- Online, distance on a specially designed platform
- Face-to-face
- Blended (online and face-to-face elements)



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LeTeEm Teacher Training Course - Topics

0. Your opinion matters
1. Getting to know each other
2. About some Web 2.0 tools
3. About the LeTeEm project
4. Talking about the modern-day school education
5. Talking about “pedagogies”
6. Introduction to LbD4All
7. Setting up a LeTeEm project with your students
8. Summary and conclusion



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Topic structure

Each topic consists of:

Rationale

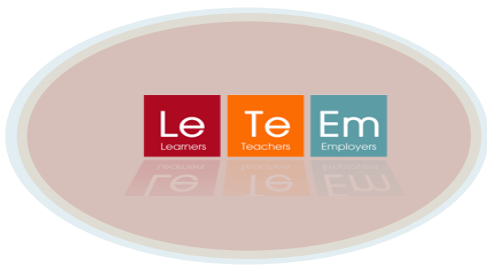
Tasks

Materials

Web 2.0 tools

[LeTeEm TT course](#)

The screenshot shows a web browser window displaying a Moodle course page. The browser tabs include 'Inbox (1,647) - nina.tsvet...', 'LeTeEm > Archives', 'Course: LeTeEm Teacher T...', 'Marc Prensky - Wikipedia', 'Home', and 'Google Translate'. The address bar shows the URL 'leteem-moodle.iccthatworks.org/course/view.php?id=2'. The page content includes a breadcrumb trail: 'Home > My courses > Teacher Training > Teacher Course'. Below this is a 'Teacher training forum' section with the heading 'Your opinion matters' and a 'Pre-course Questionnaire' link. A 'Getting to know each other' section contains a list of topics: 'the platform and its functionalities', 'your coursemates', and 'your tutors'. Underneath, a 'Tasks' section lists instructions for taking a tour, updating a profile, and participating in a forum. There are also links for 'Getting to know the platform video' and 'Getting to know each other'. At the bottom, there is a section titled 'About the LeTeEm project'. On the right side, there is a 'Search forums' box and a 'Navigation' menu with options like 'Home', 'My home', 'Site pages', 'My profile', and 'Current course' (expanded to show 'Teacher Course' with sub-items like 'Participants', 'Badges', 'General', etc.). The Windows taskbar at the bottom shows various application icons and the system clock indicating 8:07 PM on 9/20/2015.



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Web 2.0 tools utilized in the course & multimodality

Forum/blog

You Tube video

Wiki

Google doc

Traditional text-based
learning material

The screenshot shows a Moodle course page for 'LeTeEm Teacher'. The browser tabs include 'Inbox (1,647)', 'LeTeEm > Archives', 'Course: LeTeEm Teacher', 'Marc Prensky - Wikipedia', 'Home', and 'Google Translate'. The URL is 'leteem-moodle.icthatworks.org/course/view.php?id=2'. The page content includes a 'Tasks' section with three bullet points: 'Visit the forum 'Modern-day education - my reflections', consider the questions there and post your reflections on them. Then go through your colleagues' reflections. There is no need to respond to their posts at this stage.', 'Watch the video from the link below.', and 'Visit the 'Education for today - education for the future' blog and post your ideas. Read and respond to your colleagues' ideas.' Below the tasks are four links: 'Modern-day school education - my reflections', 'LeTeEm EU education project - Authenticity', 'Education for today - education for the future', and 'Education for today - education for the future'. A section titled 'Talking about "pedagogies"' is partially visible, with the text 'In this topic, you are going to' and a bullet point 'read and discuss about some theoretical ideas that bear resemblance to the L&D approach'. On the right side, there is a sidebar with options: 'Import', 'Reset', 'Question bank', 'Switch role to...', 'My profile settings', and 'Site administration'. The Windows taskbar at the bottom shows several open documents and the system tray with the date '9/20/2015' and time '8:12 PM'.



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Stimulating exchange of teaching ideas in a 'hyper locality'

Plan your own project.

Start a separate forum thread with your names in the topic field. Present your idea shortly in a post in this forum thread and attach the completed handout to it.

Visit your colleagues' threads. Ask questions or add comments as you see necessary.

This forum allows each person to start one discussion topic.

[Add a new discussion topic](#)

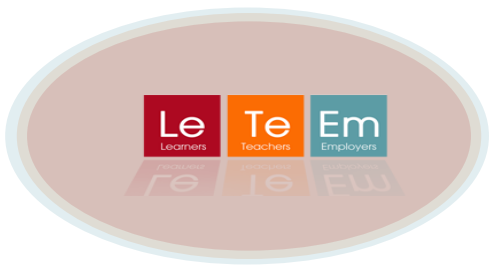
Discussion	Started by	Replies	Last post
My own LeTeEm project	Katya Krumova	0	Katya Krumova Sun, 9 Nov 2014, 12:07 PM
PEOPLE BEHIND THE WINE_ Daniela Otcheva	Daniela Otcheva	5	Daniela Otcheva Sun, 9 Nov 2014, 8:26 AM
My World	Krastenska Ivanova	0	Krastenska Ivanova Thu, 6 Nov 2014, 8:15 PM
Classic welding vs automated welding	Libertina Vasilescu	0	Libertina Vasilescu Wed, 5 Nov 2014, 4:14 PM
My Future Job - Sonya Krancheva	Sonya Krancheva	1	Nina Tsvetkova Tue, 4 Nov 2014, 9:22 AM
This is just PBL	Mary Stephenson	3	Nina Tsvetkova Tue, 4 Nov 2014, 9:17 AM

Navigation menu:

- Site pages
- My profile
- Current course
 - Teacher Course
 - Participants
 - Badges
 - General
 - Your opinion matters
 - Getting to know each other
 - About the LeTeEm project
 - Talking about the modern-day school education
 - Talking about "pedagogies"
 - Introduction to LbD4All
 - Setting up a LeTeEm project with your students
 - Implementing a project based on LbD4ALL - practica...
 - LeTeEm Sample Projects
 - My Own LeTeEm project - Worksheet
 - My own LeTeEm project
 - LeTeEm Learning Platform - Your Projects with s...
 - Summa...
 - My courses

Taskbar: idei-plan-presentation...docx, LeTeEm website tra...docx, LeTeEm website tra...docx

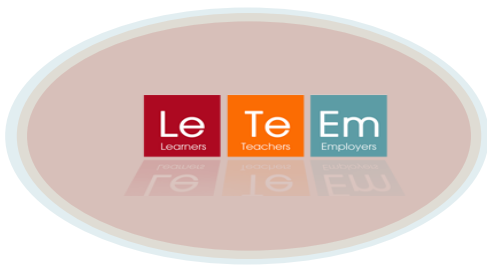
System tray: ENG, 8:14 PM, 9/20/2015



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The results – successful pilots at schools

- Whole school pilots
- Whole class pilots
- Teacher team pilots
- Employer led pilots
- Student team pilots (with teachers in the background)



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Whole school pilots: Etropole

labeledbor (1.647) - ninatoveri... x LeTeEm > Archives x Курс: Etropole Pilot x W/Marc Prensky - Wikipedia x Home x Google Translate x Escrite

leteem-moodle.icthatworks.org/course/view.php?id=24

Ограничен (напълно скрит, без съобщение): 'Available only to grouping Teachers.'

- Въведение към проекта за учители
- LeTeEm: Предварителен въпросник за учители (Teachers)

LeTeEm: Предварителен въпросник за ученици

- LeTeEm: Предварителен въпросник за ученици

Проектен форум

- Форум за дискусии - VIII г - танци, биология, музика
- Форум за дискусии - X б
- Форум за дискусии-V б- история-1
- Форум за дискусии-VI а-история-2
- Форум за дискусии-VII в
- Форум за дискусии-Изобразително изкуство- сборна група
- Форум за дискусии-Екология/Озеленяване/- сборна
- Форум за дискусии-IX г- Спорт

Уики

- Googledocs-VIII г- танци, биология, музика

Начална страница

- Моята страница
- Страници от сайта
- Моят профил
- Показван курс
 - Etropole Pilot
 - Участници
 - Значки
 - LeTeEm (Learners,

souetropolehudjinci.zip - WinRAR

1891143_1005544496124786_271076739079192697_n - Paint

File Home View

Clipboard Image Tools Shapes

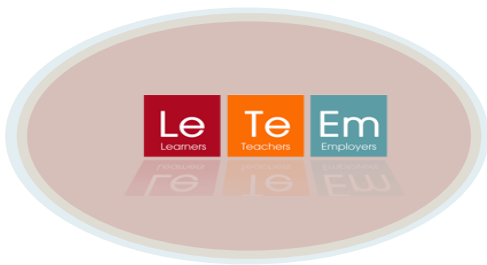
Color 1 Color 2 Edit colors

929, 180px 960 x 720px Size: 70.1KB 100%

Избрани: 71,779 байта в 1 файл Общо: 1,498,251 байта в 17 файла

8:42 PM 9/30/2015

The image shows a young boy sitting at a desk, focused on painting a large purple cat with glasses on a yellow background. He is using a red pencil. There are paint containers and brushes on the desk. A black backpack is visible behind him. The background wall is yellow with some green and blue patterns. The scene is captured in a window titled 'Paint' with a standard Windows toolbar and a file explorer on the left.



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Whole class pilots: Razlog

Browser tabs: Inbox (1,647) - nina.tsveti..., LeTeEm > Archives, Купец Razlog Pilot, Marc Prensky - Wikipedia, Home, Google Translate, EICentre

URL: leteem-moodle.icthatworks.org/course/view.php?id=22

News forum

LeTeEm Piloting

- Introduction to the project for students
- Project Brief
- Evaluation Form

- Introduction to the project for students
- Project Brief - Judiciary English
- Project Brief - Judiciary Bulgarian
- Project Brief - Investors English
- Project Brief - Investors - Second Task - English
- Project Brief - Investors - Second Task - Bulgarian
- Project Brief - Food Technologies - English
- Project Brief - Food Technologies - Second Task - English
- Project Brief - Food Technologies - Second Task - Bulgarian
- Project Brief - Food Technologies - Bulgarian

- Значки
- LeTeEm (Learners, Teachers and Employers)
- LeTeEm Piloting
- LeTeEm: Pre-piloting questionnaire for teachers
- LeTeEm: Pre-piloting questionnaire for students
- Project Forum
- Wiki
- Submission area
- LeTeEm: Post-Pilot

Browser tabs: Inbox (1,647) - nina.tsveti..., LeTeEm > Archives, Discussion Forum - Judici..., Marc Prensky - Wikipedia, Home, Google Translate, EICentre

URL: leteem-moodle.icthatworks.org/mod/forum/view.php?id=449

Discussion Forum - Judiciary

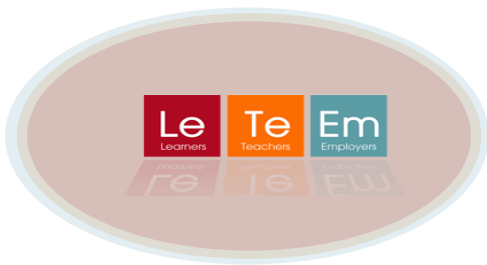
Discussion area

Добавяне на нова тема за обсъждане

Обсъждане	Започнато от	Мнения	Последно мнение
Project Products	Sonya Krancheva	10	Magdalena Kyoseva Mon, 18 May 2015, 17:42
My presentation	Sonya Krancheva	6	Iva Pancheva Mon, 4 May 2015, 21:08
Career orientation	Sonya Krancheva	7	Iva Pancheva Mon, 4 May 2015, 20:53
Our First Impressions	Sonya Krancheva	5	Elena Dzholeva Tue, 28 Apr 2015, 21:30

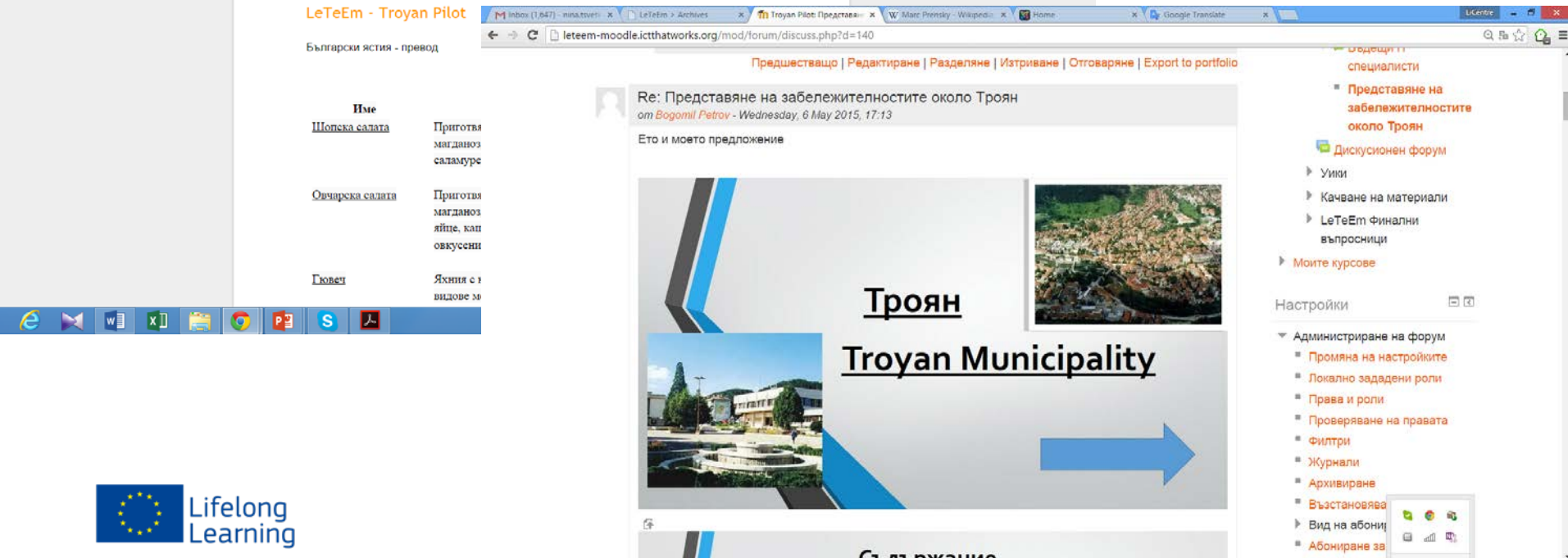
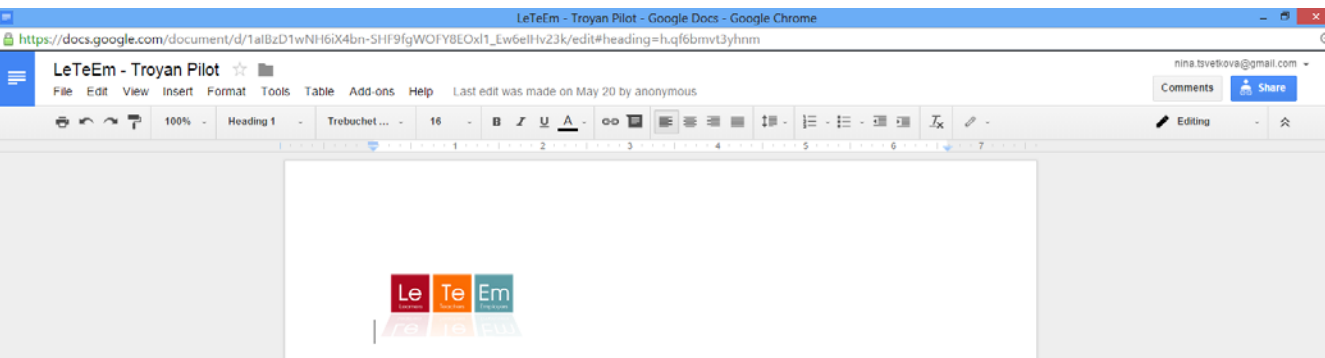
Навигация

- Начална страница
- Моята страница
- Страници от сайта
- Моят профил
- Показван курс
- Razlog Pilot
 - Участници
 - Значки
 - LeTeEm (Learners, Teachers and Employers)
 - LeTeEm Piloting
 - LeTeEm: Pre-piloting questionnaire for teachers
 - LeTeEm: Pre-piloting questionnaire for students
 - Project Forum
 - Discussion Forum - Judiciary
 - Discussion Forum - Food Technologies
 - Discussion Forum - Investors



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Teacher team pilots: Trojan

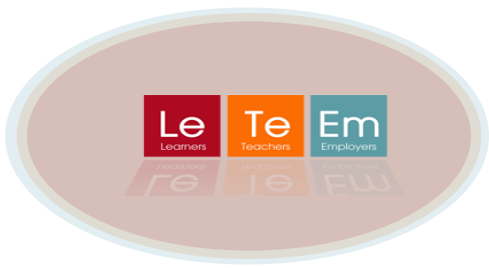




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Conclusions based on the TT

- Teacher training successfully piloted across countries and settings
- Reflection and buy-in of e-learning strategies and Web 2.0 tools in education
- Initial ideas of possible learning projects based on the proposed methodology and learning strategies (some of these were later implemented with students during the pilots)
- Awareness of the importance of a new type of pedagogic competence, including digital literacy, pedagogical background and coaching skills in a virtual environment developed in cooperation with business representatives (evident in some of the forum discussions online and in the submitted post-questionnaires).



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Pulling threads together

- Complete the qualitative and quantitative analysis from the pre and post questionnaires.
- Translations of training materials into partner languages (so far we have English, Bulgarian, German and French).