Le-Math		Lifelong Learning

LE-MATH: **Learning Mathematics through new communication factors** 526315-LLP-2012-CY-COMENIUS-CMP	**LE-MATH** **Meeting 4** **9-12 January 2014, Bad-Goisern, Austria**

Version 3, 2 January 2014

Agenda

Emergency Contact number for Gregory Makrides: +357 99641843, Helmut Loidl: +436644020730
We will send information about transport from Saltsburg Airport to the Hotel in Bad-Goisern
Accommodation: GASTHOF MOSERWIRT, A-4822 Bad Goisern, Kirchengasse 6, Austria, http://www.moserwirt.at/en/

Date and Time	Action	Presenter -Comments
	Thursday 9 January 2014	
All day	Arrivals at the Hotel Transfer information from the airport will be communicated.	
7-10.00 p.m.	Working Dinner at hotel . Meet at the lobby at 7 p.m.	
Date and Time	**Action**	**Presenter-Comments**
	Friday 10 January 2014 (meeting room: Dachstein, Floor 2 at the hotel)	
9.00-9.15	P1 Cyprus Mathematical Society (Gregory Makrides, Costantinos Papayiannis) P2 THALES Foundation(Andreas Skotinos, Elpida Christou) P3 Charles University (Antonin Jancarik) P4 Loidl-Art, Austria (Helmut Loidl) P5 VUZF, Bulgaria (Sava Grozdev) P6 "CALISTRAT HOGAS, Romania (Circu Nadia) P7 Lyckeskolan Sec School Sweden(Malin Lydell Manfjard) P8 LEOLAB, Spain (Marta MUÑOZ) P9 Junior Mathematical Society Miskolc Hungary (Peter Kortesi) P10 European Office of Cyprus, Brussels (Despina Tsikoudi) P11 Collège Saint Charles (Katell Treguer) P12 NTUA –National Technical University of Greece(Anna Christodoulou) P13 COM2GO (George Economides)	Market place (bring sweets) WP leaders invited in this meeting Wkpackage 1: Makrides Gregory,(CY) Wkpackage 2: Novotna Jarmila, (CZ) Wkpackage 3: Treguer Katell (FR) Wkpackage 4: Loidl Helmut (AT) Wkpackage 5: Makrides Gregory (CY) Wkpackage 6: Economides George (CY) Wkpackage 7: Lydell Manfjard Malin (SE) Wkpackage 8: Skotinos Andreas, (CY) Wkpackage 9: Makrides Gregory,(CY)

9:15-9.45 9.45-10.00	**Progress report-discussion** **Deliverables** **WP 2 Manual of Good Practices (updating)** **(Analysis report needed, improvement of the presentation of the e-manual with the inclusion of the analysis)**	**Everyone** **WP2: Antonin Jancarik (CZ)**
10.00 – 13.00	**WP 3 MATHeatre Guidelines** – Plan for improvement (topics in mathematics needed. The scripts could be identified with their math topic , the case of chapters, differentiation of methodology for the two age groups)	**WP 3: Treguer Katell (FR)**
11:00-11:30	Coffee Break	
13.00-14.30	LUNCH at the hotel	All
14.30 – 16.30	**WP 5 MATHFactor Guidelines** – Plan for improvement (topics of mathematics needed, sample scripts for MATHFactor needed. The videos could be identified with their math topic, the case of chapters, differentiation of methodology for the two age groups)	**WP 5: Makrides Gregory (CY)**
16.00	Coffee break	
16.30 – 18.00	WP4 Video of pilot testing event Plan of Evaluation and report, including feedback from the participant teachers and pupils Plan for report by finalists outside the EU (if any) Tools/templates to be used for the above, on-line and interview template/questionnaire Video production and securing of parent/guardian permission Evaluation and Feedback from audience	WP4: Helmut Loidl (AT)
18.00	External Evaluation	**Lucas Zinner , University of Vienna**
20.00	Dinner at Hotel	

Date and Time	Action	Presenter-Comments
	Saturday 11 January 2014 (meeting room: Dachstein, Floor 2 at the hotel)	
9.00-11.00	**Continue, if needed** **WP4** Video of pilot testing event Evaluation from teachers and pupils participating should include the following: Feedback for the methodology as shown in the guidelines Feedback for the use of Manual of Scripts for improving their MATHeatre play Feedback for the use of the published video samples for improving their MATHFactor presentation Feedback on whether the approach suggested was appropriate for the age group	**WP 4: Helmut Loidl (AT)**
	Continue on Guidebooks for MATHeatre and MATHFactor	**ALL**
	WP8 **Internal Evaluation** Quality in outcomes The internal evaluation report is a written report on • the Risk plan • the MATHeater and MATHFactor content and organisation • the content of the course • the final internal evaluation	**WP8: Andreas Skotinos**
	WP9 **Exploitation Plan** Sign Exploitation Plan (already approved through email, no discussion) Focus Group development and announcement	**WP9: Gregory Makrides**
11:00	Coffee during work	
11.30-13.00	**On-line Evaluation of MATHFactor and MATHeatre submissions** **Will work in two groups , if needed**	**All (sound systems needed, two rooms with projection)**
13.00-14.30	LUNCH	At hotel
14.30-17.00	**WP 7 Dissemination - Promotion Results to date** -Selection of Facebook games winner -Confirmation of MATHeatre Script writing competition winners -Latest Plan before the deadlines	**WP 7**: **Lydell Manfjard Malin (SE)**

	-Report results on Facebook activities and decision for winner of Facebook competition -Promotional materials -Newsletters (minimum 4) (identify the newsletters) -Reporting on EAPRIL workshop and on Hellenic conference presentation in November 2013 -Press Conference in Cyprus before the finals **WP 6 Project Website, Social Network and Platform** -Reporting problems and solutions -Present how the on-line evaluation of MATHeatre and MATHFactor will work -Statistics for visits and usage -Preparation of 2015 call (supporting exploitation)	**WP 6: Economides George (CY)**
16.00	Coffee during meeting	
17.00-18.00	**WP1 Management issues, Time sheets, Progress Report, Project budget**	**WP 1: Makrides Gregory,(CY)**
18.00	External Evaluation	**Lucas Zinner, University of Vienna**
20.00	Dinner at Steegwirt Restaurant, by the Hallstatt-lake (meet at the lobby of the hotel at 19.30)	All

Sunday, 12 January 2014
Departures

LE-MATH Time Table

1	MNGT	1	24	M M M M M M M M M M M	M M M M M M M M M M M M
2	IMP	1	5	I I I I I	
3	IMP	3	18	I I I I I I I I I I	I I I I I I I I
4	IMP	5	17	I I I I I I I I	I I I I I I I I I
5	IMP	3	18	I I I I I I I I I I	I I I I I I I I
6	IMP	2	23	I I I I I I I I I I I	I I I I I I I I I I I I
7	DISS	1	24	D D D D D D D D D D D	D D D D D D D D D D D D
8	QPLN	1	24	Q Q Q Q Q Q Q Q Q Q Q	Q Q Q Q Q Q Q Q Q Q Q Q
9	EXP	6	19	E E E E E E	E E E E E E E E E E E E E

Comments sent by the coordinator 26 December 2013

Improvements in the Manual of Good Practices (WP2)
A. Some obvious problems to all of us:
-There are listings with only a title.
-The methodology does not describe anything. In some cases the methodology just says "methodology".
-There are listings without country.
-There are links that do not work.
-In the age group we write "both" but we are the only one who understand what "both" means. It is better to indicate 9-18 years old.

The above indicate POOR QUALITY.
B. What had/has to be done…

-WP2 has to request the info for complete results.
-WP6 has to say what is missing or not working in the tool.
-WP8(internal quality control) has to review the products and tell us what is poor quality, like the examples above.
-WP4 has to ask the users under the pilot study whether the Manual of Good Practices has helped them improve their preparation for the two competitions.

C. Solution. The leaders of WPs 2,4,6, 8 have to take appropriate action.
All partners who uploaded items for the Manual of Good Practices have to do the following for the existing listings and for new ones.
In order to avoid changes in the structure and digital design (George could tell us if we can easily add a new parameter here, like ANALYSIS. Otherwise, we should replace only the parameter in the menu "methodology" with the parameter "Methodology and Analysis".
Under Methodology and Analysis we add for each case(to be done by each partner):
-The methodology used and whether it is part of a project, study or conference proceedings, etc .
-Analysis of maximum 30 words .

Here is what we promised in the project proposal under WP2:

"The collected materials will then be correlated and their suitability with respect to quality and usability in the project will be analyzed. The final summary will be completed in a systematic and user friendly form. After a careful peer-reviewing and analysis, they will become a part of the project outputs in the form of good practices collection".

So the analysis could describe what the **exact content** of the Good Practice is and whether it can be used:

-during the teaching process,

-improve motivation of students

-improve learning by students

-improve teacher's knowledge

-provide ideas for further study and investigation

-other…

Improvements in the Manual of Scripts for MATHeatre

Each partner who evaluated a script, please send us the mathematical topic closely related to the script and indicate also for which age group is most appropriate, 9-13 , 14-18 or 9-18?

Comments sent by the coordinator –15 December 2013

Dear partners, I attach for you the descriptions of the WorkPackages 2, 3, 5.

Please read them line-by-line and think if we have produced what the work packages are saying and what the description of the deliverables are saying.

I think we need to improve what we have so far, with some analysis and with some more content and categorization.

May be we need to categorize the MATHeatre scripts into mathematics content areas and report what areas we cover and at what level, 9-13 or 14-18. Those who evaluated the scripts could easily tell us.

May be we need to collect scripts for MATHFactor and categorize them into math areas and into levels 9-13 and 14-18.

May be the videos already in place plus the new ones coming should be categorized in math areas and in age groups.

We are in the process of piloting now and this is the time to reflect, to analyze and to improve and deliver an organized product easily to be used by teachers.

LE-MATH Work-packages , Deliverables and package leaders in charge

WKPK 1 Management, meetings and training course
MAKRIDES GR

Deliverable number	1 Project meetings

Deliverable number	2 Progress Report

Deliverable number	3 Final Report

Deliverable number	4 A course programme and registration under the Europa Course Base

WKPK 2 Collection of related good practices in Europe and beyond
JARMILA NOVOTNA

Deliverable number	5 Collection of good practices inside and outside Europe

WKPK 3 Development of theatre scenarios-stories with math elements and guidelines
KATELL TREGUER

Deliverable number	6 Guidelines for MATHeatre method

WKPK 4 Pilot Testing and Evaluation
HELMUT LOIDL

Deliverable number	7 Pilot testing and report

WKPK 5 Development of MathFactor Samples and Guidelines
KARPOUZIS KOSTAS

Deliverable number	8 Guidelines for the MATH-Factor method

WKPK6 Web-site and platforms design, monitoring and translations
ECONOMIDES GEORGE

Deliverable number	9 Project Website and Social Network Platform

Deliverable number	10 On-line Support System

Deliverable number	11 Translated Documents

WKPK 7 Dissemination
MALIN LUDELL MANFJARD

Deliverable number	12 Project Promotional Material

Deliverable number	13 Social Network

WKPK 8 Evaluation and quality assurance
ANDREAS SKOTEINOS

Deliverable number	14 Evaluation Reports

WKPK 9 Exploitation
MAKRIDES GREGORY

Deliverable number	15 Exploitation Plan