



**EduNano meeting
Torino, Italy
15-16 September 2014**

List of Participants:

<i>Name</i>	<i>Institute</i>
Slavka Tzanova (ST)	TUS
Jack Barokas (JB)	TAU
Danilo Demarchi (DD)	POLITO
Gianluca Piccinini (GP)	POLITO
Sidney Cohen (SC)	WEIZ
Yuval Garini (YG)	BIU
Ron Blonder (RB)	WEIZ
Tirza Lavi (TL)	HUJI
Bella Zalmanovich (BZ)	SNI
Tsiona Elkayam (TE)	BGU
Oswaldo Dieguez (OD)	TAU
Efrat Bodner (EB)	BIU
Enrico Macii (EM)	POLITO
Alejandro Chagoya (AC)	INPG

MEETING AGENDA

15 September 2014

10h00-10h20	Welcome and opening of the meeting Prof. Enrico Macii Vice Rector for Research, Technology Transfer and International Affairs
10h20-10h50	Presentation of the attendees (All)
10h50-11h10	Status of the project and of the tasks and deliverables (Slavka)
11h10-11h30	WP1 Management. Agreements with partners, transfer of the advance (Slavka)
11h30-11h50	WP1 Management. Visit of the project officer in Tel Aviv and possible solutions of the problems with equipment purchase and TRDF (Jack, representative of TRDF)
11h50-12h30	Follow up of the meeting with the project officer (Jack, All).
12h30-14h00	Lunch
14h00-16h00	WP2. Need analysis report (Ron, All)
16h00-16h30	WP3. Report on training seminars on ECTS for Israeli partners (Jack, <u>All Israeli partners-??</u>)
16h30-17h30	WP3. Syllabi design (Each partner presents the syllabi of the courses to be provided by her/his institution) <ul style="list-style-type: none"> - Abstract - Pre-requisites - Learning outcomes - Instructional methods: e-learning with distant support, individual work, practical work at clean rooms - Materials and textbooks - Content (table of content) - Evaluation: knowledge test practical test - Credits (ECTS)

16 September 2014

09h30-12h30	WP3. Syllabi design (Each partner presents the syllabi of the courses to be provided by her/his institution)
12h30-14h00	Lunch
14h00-16:00	WP4. Planning the videorecording and e-learning materials development (Jack, Slavka, All)
16h00-16:45	WP6. Dissemination done and planned for the next period (All)
16:45	ToDo list and next meeting planning (All)

Meeting Minutes

- Welcome by Prof. Enrico Macii, Vice Rector of Research, Technology Transfer and International Affairs of Politecnico di Torino

Introduction to the Project Status (ST)

Status of the Project (ST)

- Need Analysis OK
- Competence Matrix OK
- Syllabi OK
- External evaluator contracted
- Quality Assurance Plan was sent to the Partners
- Seminar on ECTS was done in Israel
- Videorecords => By July 2015
- Courses ... Sept 2015
- Pilot Test for the last year of the Project

SC has few questions/points of discussion about Quality Assurance Plan (QAP):

- Some overlaps in the Syllabi, to be discussed when we will explain the Syllabi
- Point 3. in QAP. Which are the tests? What is design walkthrough? Who will perform it? ST: We will perform the first design walkthrough of the learning environment and of the syllabi later in the meeting.
- Presenting the results out of Europe? Ask for permission.

WP1

- Agreements OK (except Technion)
- Money Transfers OK
- Declaration of non-deductible VAT OK
- Regular contacts with the Project Officer and very good support from Ms. Tiberi OK
- Equipment procedures are almost done ... and the procedure to solve the problem with Technion started
- After Intermediate Reports the last 20% will be sent
- Inclusion of TRDF? ST presented the proposed solution. Some payment modalities should be clarified with the project officer.
 - All the partners agree in principle for the inclusion of TRDF
- Equipment in EU. JB presented the status. Servers and some other equipment needed for the project implementation from EU was found but for the remaining equipment we still have problems in complying with the rule of origin. The purchase of equipment is urgent as the courses to be recorded start on 22 October 2014.

WP2 (BZ)

The Survey was sent to 140 Nanotechnology Companies and to the 6 Academic Nanocenters Directors in Israel, and we are waiting the feedbacks. Survey will be reported in 2 weeks from now and in 1 month will be updated and closed.

WP3 Syllabi Design

- Discussion about Syllabi design was done among the partners. Tanja helped the Israeli partners with the definition of learning outcome.
- ST showed the concept of how to prepare a unified version of the Syllabus.
- A competence matrix, table with Courses and columns with Knowledge, Skills, Competence will be filled with few sentences
- ST uploaded on Google Drive the Competence matrix and RB and ST uploaded the syllabi of their courses. All partners will upload their syllabi as well

Syllabi Analysis and peer review

It is suggested by JB to add a short video as Intro to each Course.

- Nanoscience & Nanotechnology, BIU, Amos Sharoni (YG)
 - Course for Master Students in Physics
 - Introductory level
 - Theoretical Course
- Kinetics of materials, BIU, Daniel Lessim (YG)
 - More advanced
- Scanning Probe Microscopy and its applications in research and in nanotechnology industry, WIS, Sidney Cohen (SC)
 - Ready an introductory video in Moodle
 - A first lecture in a Lab was recorded
- Nanomaterials, WEIZ, Ron Blonder (RB)
- Introduction to materials and nanotechnology for high school teachers, WEIZ, Ron Blonder (RB)
 - Introductory video is ready
 - To add more details in the Contents (RB) and quizzes as assessment method

All the other Syllabi were presented too:

- Nano medicine and target drug delivery: where are we going?
- Advance Topics in Nano-Photonics and Quantum Structures
- Biochips and nanostructures analysis
- Nanostructures analysis

- Macroscopic quantum coherence in engineered nano-systems
- ~~Selected topics in nanoscience and nanotechnology~~ Nanotechnology in service of humanity
- Bio-Nanoelectronic devices for biosensing
- Molecular electronics for the realization of novel nanoelectronic devices
- Micro Interfaces for contacting the NanoWorld
- Introduction to Surface Science
- Atomistic Simulation of Materials
- Design of nanoscale ICs
- Nanomaterials for electronics
- Introduction to materials and nanotechnology for high school teachers

Mainly the parts to be changed are related to the Learning Outcomes. They will be fixed in the next 2 weeks (ALL).

It is requested to share a full directory in GoogleDocs where all the documents of the project are shared (JB):

https://drive.google.com/folderview?id=0B3OR6_EimAnHeDNrQTF3VzFmME0&usp=sharing&invite=CNP1_4YD

WP4 (JB)

- Presentation of Moodle platform. (JB)
 - Short introduction on how to use Moodle
 - For the uploading of videos there will be a special procedure prepared by JB using an FTP Server
- All participants are evaluating and testing the Moodle Platform
- JB will prepare a simple Guide for uploading videos
- Next workshop in Israel will be done for practicing the Moodle Platform
- JB sends the EduNano Logo to all the partners for its usage in the videos and presentations.

The planning of the video recording and e-learning materials development was done. All the partners shared with JB the actions to be taken for the recordings. The most serious problem is the purchase of the equipment that has the problem of the European source of equipment.

WP5 Evaluation

- ST contracted an external evaluator from the Dep. of Educational research at the Open University of the Netherlands
- The Quality Assurance plan is designed and sent to all partners
- During the ~~meeting~~ meeting, the design walkthrough was performed of the Moodle platform. All participants are evaluating and testing the Moodle Platform
- Some teachers did not have appropriate account and the problem was fixed.
- A guide on the use of Moodle by the teachers is needed and a training workshop.

- Design walkthrough of syllable was done with regard to the definition of learning outcomes, ECTS, prerequisite knowledge. Some syllabi should be corrected in two weeks.
- Peer review of presented syllabi was also done. In order to overcome the problem with the overlapping of some contents it was suggested to work on some courses in collaboration of two or three partners.

WP6 Dissemination

- Project web page is on: <http://edunano.eu/>
- The information on the project should be available on all partners' servers and in Hebrew if possible also. A link from the partner website has to be done (ALL)
- Publications:
Journals and conferences in Education
 - ICT Technology and Teaching
 - Nanoeducation
 - Conferences: EduCon, EWME, NanoIsrael
 - In all conferences in nanotechnologies there are sections on education in nanotechnologies
- ST remembers that for conferences out the partner countries a request must be raised to the EU Officer.
- DD presents the possibility of doing the dissemination of the project in the Eurotraining platform. As soon as the project website will be OK the news will be sent.

The 22nd of October it will be organized the second workshop in Jerusalem about ECTS. Recordings will be discussed too during the workshop.

Next meeting 19-20 April 2015 Project Meeting hosted by [HUBIU](#).

To do list

1. Send Project Logo - 16/09/14
2. Discussion with the project officer on the derogation in equipment purchase and the TRDF inclusion inside the consortium - 16/09/14 at 15:30
3. ST will upload the templates useful for the project administration in GoogleDocs – 19/09/14
4. Upload the corrected Syllabi - 23/09/14
5. Fill the Competence Matrix - 23/09/14
6. Webpages for dissemination in the partner servers - 30/09/14
 - a. ST sends the link to All
 - b. The partners add the link in their webservers



7. Send the Interim Reports for the first year to ST for having last 20% of the first advance - December 2014
 - a. ST publishes on Google the financial rules and report templates to the partners
 - b. Partners send the documents by 30/11/14
8. Develop the courses
 - a. First prototype for the meeting in HUJI (no videos in case) – 19/04/14
 - b. Final version – 31/07/14