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Erasmus + KA2 Cooperation for innovation and the exchange of good practices **Capacity Building in the field of Higher Education**

Proposals 2019 - EAC/A03/2018



Project Grant Agreement N. **586221**

Project acronym: **NePREv**

Full title: **Setting up a multidisciplinary joint master degree dedicated to the Next Production Revolution**

First virtual meeting on December 5th, 2019

<p>WP/Task/Deliverable: WP9/T9.1/D9.8</p> <p>Planned Date: 15/03/2020 Due Date: 05/12/2019</p> <p>Nr. pages: 9 Dissemination Level: Institution</p>	<p>Partner responsible: POLITO Person Responsible: Prof. Pierluigi Leone Author: Pierluigi Leone, Sonja Sechi, Laura Rietto</p> <p>Document version: 1 Reviewed/supervised by: POLITO, POLIMI, CS, OBREAL, ENIT, ISGIS, FSJEGJ, ENIGA</p>
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History of revisions

Rev N	Description	Author	Review	Date
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1	Final	POLITO	Final version	30/01/2020

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Executive summary

This deliverable reports the minutes of the first virtual meeting that was organized on December 5th, 2019 having the main goal to discuss the management of the project and the organization of the kick-off meeting



The agenda

The meeting was scheduled on December 5th, 2019 from 13.00-14.300 using Gotomeeting platform. The agenda was the follow:

- 13:00 – 13:45 A.M. – Coordinator’s NePREv Project Presentation: milestones and work packages descriptions
- 1:45 – 2:30 P.M. - Project timeline and next actions to implement soon. Q&A time

Participants

Partner		People
P1 PoliTO	Politecnico di Torino	Prof. Pierluigi Leone, Eng. Laura Rietto, Eng. Sonja Sechi
P2 PoliMI	Politecnico di Milano	Eng. Elisa Masi
P3 CS	<u>CentraleSupelec</u>	Prof. Evren Sahin
P4 OBREAL	Observatorio de las Relaciones Unión Europea - América Latina	Prof. Jaume Fortuny
P5 ENIT, UTM	National Engineering School of Tunis Tunis el Manar University	Prof. Wyssal Abbassi Prof. Anis Allagui
P6 USF, ISGIS	-University of Sfax -Institut Supérieur de Gestion Industrielle de Sfax	-
P7 UJ, FSJEGJ	-University of Jendouba -Faculty of Juridical, Economic and Management Sciences of Jendouba	Prof. Sami Gharbi
P8 UGAF,ENIGA	-Gafsa University	Prof. Amira Hamdi

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	-National School of Engineers of Gafsa	
Associated Partners		People
T.I.M.E	Top Industrial Managers for Europe	Eng. Gwenaelle Guillerme
UTICA	Union Tunisienne de l'Industrie, du Commerce et de l'Artisanat	-
STEG	Société Tunisienne de l'électricité et due Gaz	-

Minute

1:00 – 1:45 P.M. – Coordinator's NEPREV Project Presentation: milestones and work packages descriptions

First of all Prof. Leone thanked all the participants and reminded to all of them that the **number of the project** that has to be used in the official communication with EACEA is **609702**.

Then, Prof. Leone summarized the main contents of the projects, its main goals, milestones and the timeline. In particular, he reminded the importance of Next Production Revolution concept and the crucial role of the new master that will be designed in the framework of the NEPREV project in Africa and, in particular, in Tunisia in this moment.

The milestones of the projects:

- Define the master program (120 ECTS)
- Accreditation of the master procedure
- Design of the laboratories and purchasing of the equipment
- Training session: at least 2 training sessions during the project.
- Starting the master within the period of the project.

The design of the master will be conceived with a holistic approach in which horizontal and vertical skills will co-exist. Moreover, several new kind of learning tools and approaches will be adopted.

Before introducing the work packages of the projects, Prof. Leone highlighted the importance of the **logical framework matrix** for the achievements of the project. This matrix, defined in the NEPREV project description, contains the quality indicators for each work package and their minimum values to be achieved in order to avoid any budget cutting or not satisfactory evaluation from the EACEA in the future.

Some of those indicators are:

- Design of a Master in NPR (120 ECTS)
- >25 new and updated course, students >120
- Research projects about the NPR (>2)
- MoU (>5)



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- Traineeship/MSc Thesis in cooperation with Industries (>30%)
- Industrial projects/prototypes (>3)
- Patents (>2)
- New start-ups (>2)
- New Labs (>8 including both NPR and IT Labs)
- Blended learning in courses (>80%)
- 80% positive rating of activities

Prof. Leone briefly summarized the work packages of the project and the respective partner responsible.

- **WP1** led by **ENIGA** investigates available curricula and courses in the field of Next Production Revolution in both Tunisian and European Universities. The investigation will be done by assessing both contents and teaching methodologies of different courses. Overall, WP1 will enable to identify gaps in key focal areas of the Master in NPR.
- **WP2** led by **ISGIS** identifies competence and capacity requirements in the field of the Next Production Revolution in compliance with the needs of job market and society and with regard to relevant Tunisian supply chains. The final goal of this WP is, after having held a Strategic Workshop in Tunis, to deliver a Strategic Education Agenda in NPR that includes: 1) overview about the innovation ecosystem in Tunisia with an outline of challenges and opportunities in NPR; 2) general Intended Learning Objectives of the Master in NPR, 3) involvement of stakeholders in the learning process. The achievement of the results of WP2 will be monitored by the final Strategic Education Agenda and number of agreements (e.g., Memorandum of Understanding) with stakeholders.
- **WP3** led by **PolITO** designs and develops multi-disciplinary courses for a Master in the Next Production Revolution offering the opportunity to specialize in three different disciplines: « Industry 4.0 », « Renewable Energy », and « Management of innovation & entrepreneurship ». Guidelines for the design of this Master will come from WP1 and WP2. A milestone of this WP is the accreditation of the Master in NPR that will constitute an indicator about the progress of the project.
- **WP4** led by **OBREAL** designs and develops an educational lab in NPR including a small physical Industry 4.0 lab and a virtual NPR lab. The virtual NPR lab consists of software and hardware equipment to conduct 3D virtual-reality simulations. The milestone of this WP is the design of the laboratory and the purchase of its benches. The construction and the start-up of the labs will be an indicator for the progress of this WP.



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- **WP5** led by **PolIMI** is dedicated to the training of staff from different institutions about the contents developed in WP3 and WP4. The milestone is a face-to-face training while the indicator is the number of trainees and trainers involved and the joint prepared teaching material.
- **WP6** led by **ENIT** involves the launch of the Master in NPR. After the first year of the NePRev project related with the agreement process, curriculum development, accreditation, the second year will be devoted to the launch of the two-years Master in NPR. The third year of the project will see the first graduates in Next Production Revolution, this is the milestone and the indicator of project's progress. An activity of implementation of a joint Master in NPR with one EU University will be carried out.
- **WP7** led by **FSJEGJ** sets procedures, criteria and resources for monitoring the project in order to meet its diversified targets. The working method will be defined in the Quality and Evaluation Plan of the project. Furthermore, an External Quality Expert that will perform monitoring and evaluation will be appointed.
- **WP8** led by **CS** sets the conditions and accomplishes the dissemination of the project preparing all activities necessary to its exploitation. The dissemination activities will be carried out through the development of a website, a video promo and the use of social media. In addition, the preparation of an Exploitation Plan is foreseen in this Work Package in order to increase the collaboration with private stakeholders and both European and African HEIs.
- **WP9** led by **PoliTO** deals with project management and ensures that the overall objectives of the NePRev project will be achieved within the foreseen time and budget.

1:45 – 2:30 P.M. - Project timeline and next actions to implement soon. Q&A time

Prof. Leone highlighted that is crucial to keep a good pace of the activities to achieve good results from the beginning of the project. For this reason, he provided a first list of items and goals that have to be achieved from now on.

Action to do (before 15th January)

- **WP9 Management**

Provide people's names and contacts involved in the project (scientific, technical and administrative to PoliTO). In order to transfer the budget to all the partners it is necessary that all the partners sign the partnership agreement. Laura Rietto (PoliTO) sent by mail the 5th December the list of the requested documents. In particular, PoliTO shared:

- The pdf of the originally signed Grant Agreement
- The bank account module (so that our accountancy office can start adding your data in our database and the budget transfer procedure will be faster once we will have signed the Partnership Agreement)



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- The link to the PROJECT MANAGEMENT Google Spreadsheet that PoliTO will share for the whole project and will be implemented along the way.
- **WP8 Dissemination**
 - Purchase an internet domain, creation of the social media pages (Linkedin, Facebook, Instagram, Twitter)
 - Share a proposal for the NEPREV logo
- **WP1 Preparation**
 - Start the collection of data of the existing courses about NPR in Europe and Tunisia share a first draft.
 - Provide as an official document the master accreditation procedure with reference to national laws and internal faculties procedure.
- **WP2 Preparation**
 - Start the design and the logistics of the Strategic Workshop in Tunis. In the framework of WP2 an international workshop has to be organized in Tunis before the first mid-March that will gather stakeholders to discuss opportunities and challenges for NPR uptake in Tunisia, including the skills needed to enter the job market and specific needs of private stakeholders
 - Prepare a list of the potential stakeholders involved.

Action to do/star before the next 3 months:

- **WP1 Preparation**



Assessment the existing curricula (before Feb 15th 2020). The partners have to provide the list all the courses with the syllabuses available in Tunisia and EU. Survey of the best practice at international level in NPR. PoliMI will share the PoliMI+WMF (World Manufacturing Forum) guidelines for industry 4.0 skills.
- **WP2 Preparation**

Strategic Workshop in Tunis (before mid-March 2020)
- **WP3 Development**

Start the design of the master according to WP1 and WP2 results (from mid March 2020)
- **WP4 Development**

Start the design of the laboratory according to WP1 and WP2 results (from mid March 2020)
- **WP8 Dissemination**

Present the definitive logo proposal and implement it in the social media and in the official documents/format of the project (before January 31st)

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Other partners contribution:

- **Prof. Garbi** highlighted the importance to take into account the last educational system law reform to design the specific skills of the students of the master and the intended learning outcomes
- **Prof. Fortuny** highlighted the necessity to decide the languages of the website and to start immediately with the dissemination strategy on the social media.
- **Prof. Sahin** claimed that she will identify quickly the person for the Communication part: logo (visual identity).
- **Prof. Abbassi** ask PoliTO to manage the travel budget of Tunisian partners. Since the rules mentioned that the coordinator university must transfer the entire budget to each partner, central budget management must be officially asked to the coordinator and then approved from EACEA.

Tunisian partners suggest to schedule the Strategy Workshop on February 2020 because of the holidays on March.