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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**

# Progress of Work Packages

## YEAR 2

<p>WP/Task/Deliverable: <b>WP9/T9.1/D9.15</b></p> <p>Planned Date: <b>15/11/2021</b> Due Date: <b>15/11/2021</b></p> <p>Nr. pages: <b>36</b> Dissemination Level: <b>Institution</b></p>	<p>Partner responsible: <b>POLITO</b> Person Responsible: <b>Prof. Pierluigi Leone</b> Author: <b>Pierluigi Leone, Laura Rietto</b></p> <p>Document version: <b>1</b> Reviewed/supervised by: <b>POLITO, POLIMI, CS, OBREAL, ENIT, ISGIS, FSJEGJ, ENIGA</b></p>
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## History of revisions

Rev N	Description	Author	Review	Date
0	Draft	POLITO	Draft creation	01/03/2021
1	Draft	POLITO	Contents integration, revision of the Partners needed on their respective parts	30/10/2021
2	Final	POLITO		31/12/2021



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## Executive summary



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The deliverable collects all scientific project activities as well as the final monitoring of the project.

## Introduction

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This deliverable represents the collection of second year activities by highlighting all the tangible outputs of the project.

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## Scientific Monitoring

### MONITORING PLAN



<b>WP n./Title</b>	WP1 - Assessment of existing curricula in Tunisian and European Universities related with NPR
<b>WP Leader</b>	ENIGA
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2019 – 15/02/2020

	Title of Tasks	Short description of activity delivered <sup>1</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 1.1: Identification of existing curricula and courses	The task has collected the information from project partners about existing Master and single courses related to NPR. Given the broad meaning of NPR, only those courses really showing an innovative perspective have been collected and mentioned.	15/02/2020	Concluded



<sup>1</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.

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<b>Current Status</b>	Task 1.2: Building taxonomy of existing courses	A taxonomy of courses has been built based on focal areas (Industry 4.0, Renewable Energy, Management of innovation & entrepreneurship) and different learning methods (Traditional, Participative, Learning by doing). Overall, a major gap is identified in Management of innovation & entrepreneurship while there is a positive contribution of learning by doing that could be enforced by new equipment bought in the framework of the project.	15/02/2020	Concluded		
	<b>Title of Deliverables</b>	<b>Specific and measurable indicators as indicated in the LFM</b>	<b>Specific and measurable indicators really produced</b>	<b>Delivery Date [dd/mm/yyyy] (as indicated 1.4)</b>	<b>Real Delivery Date [dd/mm/yyyy]</b>	<b>Status (achieved, partially achieved, not yet achieved)</b>
<b>Current Status</b>	Del 1.1: List of existing curricula and courses	<b>Type: Report</b> <ul style="list-style-type: none"> <li>Report of existing curricula and courses</li> </ul>	Twenty masters fully analysed related with NPR. 30 single courses related with NPR topics.	15/02/2020	14/05/2021	achieved
<b>Current Status</b>	Del 1.2 Taxonomy of existing of courses	<b>Type: Report</b> <ul style="list-style-type: none"> <li>Analysis of existing curricula and courses. Elaboration of a taxonomy. Reporting.</li> </ul>	About 40% of existing single courses related with Industry 4.0, slightly less than 40% related with Renewable Energy and only about 20% related with Management of innovation & entrepreneurship. More than 60% of courses with learning by doing activities.	15/02/2020	14/05/2021	achieved

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<p><b>Deviation of working or time schedule and technical corrective action</b></p>	<p>A review of the results for D1.1 and D2.2 was done after the meeting with NEO on April 2021. Therefore, the end of task has been delayed at 14/05/2021.</p>
<p><b>Past or expected bottlenecks</b></p>	
<p><b>Working plan for the next 6 months</b></p>	
<p><b>Additional comments and suggestions</b></p>	



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<b>WP n./Title</b>	<b>WP2 - Assessment of skills and competences requirements</b>
<b>WP Leader</b>	ISGI
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2019 – 15/02/2020

	Title of Tasks	Short description of activity delivered <sup>2</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 2.1: Organization and implementation of a Strategy Forum Workshop	<p>The International Forum for Next Production Revolution (NPR) has been organized at ISGIS in Sfax on February 19th, 2020 with the participation of about 250 people between professors (30), industrials (20), researchers (20), students (160) and NePREv members (20). Important industry have assisted to the forum from food industry (Triki group), ceramic industry (Cartago Ceramic Group), petrochemical industry (Groupe chimique), TIC (Sfax technopark, CRNS), Automobile industry (SAMM, ACTIA), recycling industry, oil industry, renewable energy (GPC), (STEG).</p>	15/02/2020	Delivered
<b>Current Status</b>	Task 2.2: Preparation of the Strategic Education Agenda	This activity sets the background, perspectives and an action plan for capacity building in NPR for Tunisia and for the Master in NPR by involving local stakeholders gathered during the Strategy Forum Workshop.	15/02/2020	Delivered



<sup>2</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.



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	<p>All the feedback collected were used to design the Master in NPR as foreseen by the NePreV project. Stakeholders have been contacted to host students' traineeship and final thesis.</p>		
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	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<b>Current Status</b>	Del 2.1: Strategy Forum Workshop	<p><b>Type: Event</b></p> <ul style="list-style-type: none"> <li>Organization of the Strategy Forum Workshop.</li> </ul>	<p>The International Forum for Next Production Revolution (NPR) has been organized at ISGIS on February 19th, 2020. 250 participants have assisted between professors (30), industrials (20), researchers (20), students (160) and NePreV members (20).</p>	15/02/2020	19/02/2020	Achieved
<b>Current Status</b>	Del 2.2 Strategic Education Agenda	<p><b>Type: Report</b></p> <ul style="list-style-type: none"> <li>Report about the Strategic Education Agenda</li> </ul>	<p>High level feedback from Tunisian stakeholder about the challenges and opportunities of NPR for Tunisian and required skills for new job. Feedback came from Festo Tunisia, SAMM Test &amp; Automation, Career center at ISGIS, ENIT &amp;</p>	15/02/2020	22/06/2020	Achieved

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			<p>former Minister of Higher Education in Tunisia, Union of Small and Medium Industries – UPMI, center for innovation, transfer and entrepreneurship at Sfax university, Green Power Company, Tunisia Africa Business Council, General Director of Innovation at the Ministry of Industry, General Director of the Agency for the Promotion of Industry and Innovation (APII), Vice-Président UTICA, Poulina Group Holding (PGH), SKF Tunisia &amp; Leoni Tunisia</p>			
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<b>Deviation of working or time schedule and technical corrective action</b>	
<b>Past or expected bottlenecks</b>	
<b>Working plan for the next 6 months</b>	
<b>Additional comments and suggestions</b>	

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<b>WP n./Title</b>	<b>WP3 - Design and development of a Master in the Next Production Revolution</b>
<b>WP Leader</b>	POLITO
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2019 – 15/08/2020



	Title of Tasks	Short description of activity delivered <sup>3</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 3.1: Definition of a Master in the Next Production Revolution	<p>Based on activities done in WP1, WP2, WP4 and WP5, a Master in the Next Production Revolution has been designed at the Université de Tunis El Manar - Ecole Nationale d'Ingénieurs de Tunis (ENIT). The Master in NPR is organized in four semesters. A total number of 15 Unité d'enseignement (UE) plus the Master Thesis have been designed. The Unité d'enseignement includes specific Elément constitutif d'UE (ECUE) that are 40 in total. The total number of credits is 120.</p> <p>New and updated courses have been designed for the other partner Universities including 33 courses in focal areas of : 16 courses in « Industry 4.0 », 8 courses in «Renewable Energy », and 9 courses in « Management of innovation &amp; entrepreneurship ».</p>	15/05/2020	achieved

<sup>3</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.

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<p><b>Current Status</b></p>	<p>Task 3.2: Accreditation of the Master in the Next Production Revolution</p>	<p>The Master foreseen in the NePREV project – classified as ‘Mastère de Recherche’, has been submitted to the Ministère de l'Enseignement Supérieur et de la Recherche Scientifique de la Tunisie for Accreditation on March 15, 2021. The title of the Master is ‘Next Production Revolution’. The master foresees a total number of 20 students per year that could be increased at 25 students. The Master has been accredited on June 2021 and started in academic year 2021/2022. New and updated courses have been approved at partners universities and started on academic year 2021/2022 as well.</p>	<p>15/08/2020</p>	<p>achieved</p>
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	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<p><b>Current Status</b></p>	<p>Del 3.1: Definition of a Master in the Next Production Revolution</p>	<p><b>Type: Report</b></p> <ul style="list-style-type: none"> <li>List of new courses.</li> <li>Definition of the Master in NPR and new/updated courses (1 Master and &gt;25 new and updated courses)</li> <li>Blended learning in courses (&gt;80%)</li> </ul>	<p>The deliverable has been splitted into Part I and Part II. Part I includes the Master in NPR designed and submitted for approval by ENIT. A Master in the Next Production Revolution has been designed at ENIT. The Master in NPR is organized in four semesters. A total number of 15 Unité d'enseignement (UE) plus the Master Thesis has been</p>	<p>15-05-2020</p>	<p>15/03/2021 and 15/06/2021</p>	<p>achieved</p>



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			<p>designed. The Unité d'enseignement includes specific Elément constitutif d'UE (ECUE) that are 40 in total. The total number of credits is 120. 12 out of 15 courses of Master include blending learning pedagogical methods.</p> <p>Part II includes new &amp; updated courses designed and submitted for approval by ENIGA, ISGIS, FSJEGJ.</p>			
<b>Current Status</b>	Del 3.2 Accreditation of a Master in the Next Production Revolution and new courses	<p><b>Type: Service/Product</b> <b>Type: Report</b></p> <ul style="list-style-type: none"> <li>• Accreditation of the Master and new course</li> </ul>	<p>The Master in NPR was approved on June 2021. Single new courses were designed and approved. The Master and courses started on Academic year 2021/2022.</p>	15-08-2020	14/10/2021	achieved

<b>Deviation of working or time schedule and technical corrective action</b>	<p>With respect to the project proposal, the accreditation has been delayed due to the specific window for applications set by the Tunisian Government. Therefore, master definition has been concluded on January 2021, new and updated courses on May 2021.</p> <p>Accreditation of the master (Ministerial level required) and courses (internal accreditation required) have been achieved on June 2021.</p>
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	<p>Delay was also in the preparation of new &amp; updated courses. In this case, a higher effort in the first project phase has been devoted to administrative issues for equipment purchase, management, etc...</p>
<p><b>Past or expected bottlenecks</b></p>	
<p><b>Working plan for the next 6 months</b></p>	
<p><b>Additional comments and suggestions</b></p>	

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<b>WP n./Title</b>	<b>WP4 - Design and development of a teaching lab in NPR</b>
<b>WP Leader</b>	OBREAL
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2019 – 15/08/2020



	Title of Tasks	Short description of activity delivered <sup>4</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 4.1: Design of a teaching lab in NPR	The activity has involved a deep analysis of lab equipment for the Master and new courses developed within NePREv project. The analysis has been complex, since project partners belong to different scientific background areas and the Next Production Revolution is a new topic at international levels with small companies that are able to supply proper equipment. With respect to the initial plan of equipment, in terms of typologies, the final choice has been fully in line.	15/05/2020	delivered
<b>Current Status</b>	Task 4.2: Building and start-up of the teaching lab	Tenders have been launched and closed from all Tunisian partners. The purchase procedure has been concluded but some lots have not been closed. Purchased equipment have been installed and correctly deployed within new developed courses.	15/08/2020	ongoing

<sup>4</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.



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	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<b>Current Status</b>	Del 4.1: Design and purchasing of a teaching lab in NPR	<b>Type: Service/Product</b> <b>Type: Report</b> <ul style="list-style-type: none"> <li>List of equipment</li> </ul>	The deliverable includes the list of equipment already included in the bids with a description of timeline and procedures adopted. The deliverable also includes the courses within equipment will be deployed. Finally, the deliverable includes technical specification and costs of equipment.	15-05-2020	15/05/2021	achieved
<b>Current Status</b>	Del 4.2 Installation, test and start-up of a teaching lab in NPR	<b>Type: Service/Product</b> <b>Type: Report</b> <ul style="list-style-type: none"> <li>New lab facilities. New Labs (&gt;8 including both NPR and IT Labs))</li> </ul>	The deliverable includes photos of newly developed labs.	15-08-2020	Expected 30/03/2022	Not yet achieved



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<p><b>Deviation of working or time schedule and technical corrective action</b></p>	<p>Some delay was accumulated due to several causes. The planning of equipment purchase has been aligned with Master and course design, however, COVID 19 pandemia has delayed some activities especially at administrative level for preparing tenders. Therefore, all tenders were finalized on May/June 2021.</p> <p>Some problems were related with lack of participation of suppliers and some bids (i.e., from FSJEGJ) remained with no participants. Another problem was related with the assignment of a bid to a company that finally was not able to provide some of the equipment that were assigned for purchasing (this was a bid managed at ENIT); this situation whose responsibility is out of control of the consortium caused some delays since some time was devoted to recover part of budget that was already transferred to the company. Finally, there were more structural situations that delayed this Work package including the necessity to align procurement procedures of Tunisian administration to the EU principles and to clarify some specific financial/legislative constraints such as VAT issue.</p>
<p><b>Past or expected bottlenecks</b></p>	
<p><b>Working plan for the next 6 months</b></p>	<p>Finalize purchasing of few remaining equipment.</p>
<p><b>Additional comments and suggestions</b></p>	

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<b>WP n./Title</b>	<b>WP5 - Staff training about key courses and lab equipment</b>
<b>WP Leader</b>	PoliMI
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/05/2020 – 15/11/2022

	Title of Tasks	Short description of activity delivered <sup>5</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 5.1: Organization of a program of training for teachers and staff	A first training is under delivery phase. Originally the training program was intended to take place in Milan during one week of an intensive “in-presence” session; however, in light of the coronavirus outbreak it was necessary to adopt a remote training modality. The specific format to be adopted for the training program involves synchronous webinars delivered online by appointed trainers. Despite the circumstances that motivated the format change, the new format brings unanticipated benefits including flexibility for both trainers and trainees in terms of location and time, as well as the possibility to reach a larger audience and to count with the presence of a wider array of trainers. The list of training modules to be included in the program was drafted primarily taking into consideration the contents of WP1, WP2 and especially WP3, which reflects the main educational needs of	15/09/2020	Achieved

<sup>5</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.

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		<p>the Tunisian consortium partners, including the Master Degree to be activated at ENIT as well as the series of single courses offered at ENIGA, ISGIS and FSJEGJ. Additionally, a number of modules were dedicated to sharing the European partners' perspectives on the development of innovation ecosystem models based on partnerships between universities, institutions, and the private sector.</p>		
<p><b>Current Status</b></p>	<p>Task 5.2: Delivery of a training session</p>	<p>The first training program was scheduled to take place between October 12th and November 25th, during which the following 24 modules were addressed: 14 for Curriculum Development, 3 for General Contents, and 7 for Ecosystem Building. A total of 13 MOOCs were also offered to participants willing to enrol and benefit from the contents.</p>	<p>15/09/2020</p>	<p>Achieved</p>

	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<p><b>Current Status</b></p>	<p>Del 5.1: Organization of a program of training for teachers and staff</p>	<p><b>Type: Report</b></p> <ul style="list-style-type: none"> <li>List of trainers, trainees, courses, logistics</li> </ul>	<p>The first training program was scheduled to take place between October 12th and November 25th, during which the following 24 modules were addressed: 14 for Curriculum Development, 3 for General Contents, and 7 for Ecosystem Building. A</p>	<p>15-06-2020</p>	<p>30/01/2021</p>	<p>achieved</p>





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			<p>total of 13 MOOCs were also offered to participants willing to enrol and benefit from the contents. The trainers in charge of the modules were selected among faculty staff and industrial practitioners.</p> <p>The criteria for trainer selection are based on their knowledge and experience related to the three main disciplines related to the project as evidenced by their activities, publications, position, etc. A total of 19 trainers joined the training program. The trainees to benefit from the training program were selected according to their interest and motivation. Given the change of delivery format, a wider group of participants – with respect to the number initially considered in the proposal time - was sought by distributing a survey to gauge interest in the training program.</p>			
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<p><b>Current Status</b></p>	<p>Del 5.2 Delivery of the training</p>	<p><b>Type: Report</b> <b>Type: Event</b></p> <ul style="list-style-type: none"> <li>• Numbers of people involved</li> <li>• Quality assessment of the training</li> </ul>	<p>Originally, the training program was meant to have an audience of 20 trainees, 5 from each Tunisian Partner Institution (ENIGA, ENIT, FSJEGJ, ISGIS). The change in modality from presential to remote has allowed for the possibility of reaching a wider group of participants beyond the constraints imposed, albeit unintentionally, by a series of selection criteria. An initial survey was shared with the key staff from each of the four Tunisian consortium partners involved in the project in order to gauge interest in the training program and individual proposed training modules. The survey reached a total of 155 respondents who showed interest in the program. A total of 68 trainees participated in the training program, out of which 26 had accumulated the minimum number of</p>	<p>15-09-2020</p>	<p>30/01/2021</p>	<p>achieved</p>
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			<p>attendance marks required for the awarding of certificates of attendance. By the end of the training program, it was possible to obtain feedback about the planning and delivery by reaching out to trainers and by circulating a survey among trainees. A number of trainers denoted their desire for a more active participation among the trainees during the training sessions. In contrast, the trainees offered a series of improvement suggestions which seemed to indicate that they might not have been engaged to the degree the trainers desired due to having had a traditional face-to-face approach with only one-way communication.</p>			
<b>Current Status</b>	Del 5.3 Organization of a program of training for teachers and staff	<b>Type: Report</b> <ul style="list-style-type: none"> <li>List of trainers, trainees, courses, logistics</li> </ul>		15-06-2021		ongoing

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<b>Current Status</b>	Del 5.4 Delivery of the training session	<b>Type: Report</b> <b>Type: Event</b> <ul style="list-style-type: none"> <li>• Numbers of people involved</li> <li>• Quality assessment of the training</li> </ul>		15-09-2021		ongoing
<b>Current Status</b>	Del 5.4 Lessons learned from the training	<b>Type: Report</b> <ul style="list-style-type: none"> <li>• Quality assessment of the trainings</li> </ul>		15-11-2022		

<b>Deviation of working or time schedule and technical corrective action</b>	The initial training had to be planned in Milan on 15/06/2020. However, due to COVID 19 and delay in master preparation, the training was delayed in autumn 2020. The activity was well recovered and successfully delivered.
<b>Past or expected bottlenecks</b>	
<b>Working plan for the next 6 months</b>	Second training have been postponed due to current covid outbreak hoping to have possibilities for in-presence meeting.
<b>Additional comments and suggestions</b>	



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<b>WP n./Title</b>	<b>WP6 - Actuation of the Master in NPR</b>
<b>WP Leader</b>	ENIT
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2020 – 15/11/2022



	Title of Tasks	Short description of activity delivered <sup>6</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 6.1: Actuation of the Master in NPR	The activity referred to the implementation of the master, the integration within Tunisian accreditation rules (internal of the university and national), enrolment of students and launch of courses. The master was accredited in June 2021. The first intake followed recruitment activities, pre-selection and final list of enrolled students. The courses started in September 2021.	15/11/2022	ongoing
<b>Current Status</b>	Task 6.2: Monitoring of the Master in NPR	The monitoring of the master includes: checking the achievement of the intended learning outcomes, the assessment of the courses, the results of the examinations, and the verification of the implementation the blending learning activities and courses' material.	15/11/2022	ongoing
<b>Current Status</b>	Task 6.3: Joint master and internationalization		15/11/2022	ongoing

<sup>6</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.





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	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<b>Current Status</b>	Del 6.1: Start on the Master in NPR	<p><b>Type: Report</b> <b>Type: Service/product</b></p> <ul style="list-style-type: none"> <li>Presentation of the Master</li> </ul>	<p>The first intake followed recruitment activities, pre-selection and final list of enrolled students according to the following data:</p> <ul style="list-style-type: none"> <li>Application received: 306</li> <li>Preselected candidates: 83</li> <li>Selected candidates: 25 (14 females and 11 males) <ul style="list-style-type: none"> <li>17 candidates accepted for double curriculum (3AGI + Master NePREv)</li> <li>8 external candidates (Holding an Engineering diploma)</li> </ul> </li> </ul>	15-11-2020	15-10-2021	achieved



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<b>Current Status</b>	Del 6.2: Monitoring of the Master in NPR	<b>Type: Report</b> <ul style="list-style-type: none"> <li>• Quality assessment of different courses</li> <li>• Quality assessment of students from industrial companies (where students do their training)</li> <li>• Students enrolled in the master and new/updated courses (&gt;120)</li> <li>• Traineeship/MSc Thesis in cooperation with Industries (&gt;30%)</li> </ul>		15-11-2022		
<b>Current Status</b>	Del 6.3: Internationalization of the Master in NPR and Joint Master Agreement	<b>Type: Service/product</b> <ul style="list-style-type: none"> <li>• Number of MoUs</li> </ul>		15-11-2022		

<b>Deviation of working or time schedule and technical corrective action</b>	
<b>Past or expected bottlenecks</b>	
<b>Working plan for the next 6 months</b>	

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**Additional comments and suggestions**

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<b>WP n./Title</b>	<b>WP7 – Project Quality and Evaluation</b>
<b>WP Leader</b>	FSJEGJ
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2019 – 15/11/2022



	Title of Tasks	Short description of activity delivered <sup>7</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 7.1: Setting of the quality evaluation process	The quality plan has been set including the different methods that will be deployed to check the status of the project. The external quality evaluator has been appointed.	15/02/2020	delivered
<b>Current Status</b>	Task 7.2: Quality evaluation	Surveys have been done for the training and meetings.	15/11/2022	ongoing

<sup>7</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.

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	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<b>Current Status</b>	Del 7.1: Quality and Evaluation Plan	<b>Type: Report</b>	The work illustrates the main methods used for quality checks.	15-02-2020	08-04-2020	achieved
<b>Current Status</b>	Del 7.2: Mid-Term evaluation report	<b>Type: Report</b> <ul style="list-style-type: none"> <li>Positive opinion about the training session (&gt;80%)</li> </ul>	Survey for training revealed a positive impact of the training as shown in deliverable D5.2. The deliverable includes also the quality assessment of project meetings and activities.	15-05-2021	15-05-2021	achieved
<b>Current Status</b>	Del 7.3: Final evaluation report	<b>Type: Report</b> <ul style="list-style-type: none"> <li>Positive opinion about the training session (&gt;80%)</li> </ul>		15-11-2022		



<b>Deviation of working or time schedule and technical corrective action</b>	
<b>Past or expected bottlenecks</b>	
<b>Working plan for the next 6 months</b>	Appointment of the external quality expert and running of quality monitoring
<b>Additional comments and suggestions</b>	

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<b>WP n./Title</b>	<b>WP8 - Dissemination and exploitation</b>
<b>WP Leader</b>	CS
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2019 – 15/11/2022



	Title of Tasks	Short description of activity delivered <sup>8</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 8.1: Drawing up of Dissemination & Exploitation strategy	The Dissemination and Exploitation has been prepared by identifying targets, tools and phases. In particular, Website and social media will be used as tool to involve stakeholders along the whole project duration. Conferences and workshops have been identified in order to carry out specific actions to selected targets. Some measurable impacts have been identified including analytics of social media, followers and number of posts.	15/02/2020	achieved
<b>Current Status</b>	Task 8.2: Implementing a multimedia dissemination strategy	A logo of the project has been designed with selection of best suited colours, used font, etc... A website has been designed including: Mission (the goals of the NePREv project), Partners and Stakeholders involved, People (list of people involved in the project), News and Events (International Forum for Next Production Revolution in Sfax is published), Subscription form.	15/11/2022	ongoing

<sup>8</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.

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<b>Current Status</b>	Task 8.3: Papers and conferences	<p>Three social media have been activated: Facebook page <a href="https://www.facebook.com/neprev">https://www.facebook.com/neprev</a>, Twitter <a href="https://twitter.com/neprev">https://twitter.com/neprev</a>, LinkedIn group <a href="https://www.linkedin.com/groups/13872167/">https://www.linkedin.com/groups/13872167/</a>.</p> <p>The project was presented during an open session during the KoM at Enit on February 19th and the Stakeholder forum in Sfax on February 20th, 2020. (D2.1 &amp; D2.2).</p>	15/11/2022	ongoing
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	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<b>Current Status</b>	Del 8.1: Dissemination and Exploitation Plan	<b>Type: Report</b>	8 conferences identified in the first year of the project. Social media identified and website preparation.	15-02-2020	30/06/2020	achieved
<b>Current Status</b>	Del 8.2: Project website and social networks	<b>Type: Service/Product</b> <ul style="list-style-type: none"> <li>• Social Media accounts</li> <li>• Numbers of social media posts</li> <li>• Posts analytics</li> <li>• Access to website</li> </ul>	Project website has been created as well as social media accounts: Website: <a href="http://www.neprev.com">www.neprev.com</a> Facebook page: <a href="https://www.facebook.com/neprev">https://www.facebook.com/neprev</a> Twitter <a href="https://twitter.com/neprev">https://twitter.com/neprev</a>	15-05-2020	30/09/2020	achieved

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			<p>LinkedIn group: <a href="https://www.linkedin.com/groups/13872167/">https://www.linkedin.com/groups/13872167/</a></p>			
<b>Current Status</b>	Del 8.3: Video promo	<b>Type: Service/Product</b> <ul style="list-style-type: none"> <li>Views of video promo</li> </ul>		15-11-2020		Not yet achieved
<b>Current Status</b>	Del 8.4: Papers and conferences	<b>Type: Report</b> <b>Type: Service/Product</b> <ul style="list-style-type: none"> <li>Number of papers and conferences</li> </ul>		15-11-2022		Not yet achieved

<b>Deviation of working or time schedule and technical corrective action</b>	It has been decided, as a more effective strategy, to prepare videos upon starting the master, having equipment and first enrolled students to have more tailored materials used for different stakeholders with special focus for students orientation.
<b>Past or expected bottlenecks</b>	
<b>Working plan for the next 6 months</b>	
<b>Additional comments and suggestions</b>	





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<b>WP n./Title</b>	<b>WP9 - Operative and financial management of the project</b>
<b>WP Leader</b>	POLITO
<b>Author(s)</b>	Pierluigi Leone
<b>Reporting Period</b>	15/11/2019 – 15/11/2022

	Title of Tasks	Short description of activity delivered <sup>9</sup>	End of task [dd/mm/yyyy] (as indicated in the activity Plan)	Status (delivered, ongoing, planned, cancelled, readdress)
<b>Current Status</b>	Task 9.1: Operative and financial management	The grant agreement has been signed and all partners received a copy on Jan 20th, 2020. The final rules of the project have been first explained during a virtual meeting held on Dec.5th 2019 and then during the kick-off meeting held on February 18th, 2020. The February 18th, 2020 at the National Engineering School of Tunis (ENIT). The NEO of Tunisia was present. The partnership agreement is a multi-lateral document that was signed by the latest partner on May 14th, 2020. All the project activities were managed regularly with a good interaction and collaboration among the partners. A shared folder was created to facilitate interactions.	15/11/2022	ongoing
<b>Current Status</b>	Task 9.2: Performing of plenary and virtual meetings	Due to COVID outbreak, some meetings were performed remotely or the delivery in presence was postponed to the mitigation travel and quarantine restrictions. Below the list of presence ( <b>bolded</b> ) and remote ( <i>italic</i> ) project meetings: <ul style="list-style-type: none"> <li><i>December 5th, 2019 - Virtual Meeting, D9.7 - Plenary</i></li> <li><b>February 18th, 2020 - KOM In presence in Tunis, D9.1 - Plenary</b></li> </ul>	15/11/2022	ongoing

<sup>9</sup> Please include a description of the activities really performed, avoiding to cut and paste what reported in the proposal.



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		<ul style="list-style-type: none"> <li>• <i>May 26th, 2020 Virtual meeting with Enit and Politecnico di Milano.</i></li> <li>• <i>July 6th, 2020 - Virtual Meeting. D9.8 – Plenary</i></li> <li>• <i>September 18th, 2020 - Virtual meeting in Milan. D9.9</i></li> <li>• <i>January 15<sup>th</sup>, 2021, Virtual meeting (with Tunisian Partners and Plenary), D9.10</i></li> <li>• <i>April 8th, 2021, Virtual meeting (with Tunisian Partners and Plenary), D9.11</i></li> <li>• <i>May 21th, 2021, Virtual meeting, D9.12</i></li> </ul>		
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	Title of Deliverables	Specific and measurable indicators as indicated in the LFM	Specific and measurable indicators really produced	Delivery Date [dd/mm/yyyy] (as indicated 1.4)	Real Delivery Date [dd/mm/yyyy]	Status (achieved, partially achieved, not yet achieved)
<b>Current Status</b>	Del 9.1: Kick off meeting	<b>Type: Event</b> <b>Type: Report</b>	The kick of meeting was performed on February 18th, 2020 at ENIT in Tunis.	15/02/2020	18/02/2020	achieved
<b>Current Status</b>	Del 9.2: First mid-term meeting in Milan	<b>Type: Event</b> <b>Type: Report</b>		15/09/2020		
<b>Current Status</b>	Del 9.3: Second mid-term meeting in Paris	<b>Type: Event</b> <b>Type: Report</b>		15/02/2021		



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<b>Current Status</b>	Del 9.4: Third mid-term meeting in Turin	<b>Type: Event</b> <b>Type: Report</b>		15/09/2021		
<b>Current Status</b>	Del 9.5: Forth mid-term meeting in Jendouba	<b>Type: Event</b> <b>Type: Report</b>		15/02/2022		
<b>Current Status</b>	Del 9.6: Final meeting in Tunis	<b>Type: Event</b> <b>Type: Report</b>		15/11/2022		
<b>Current Status</b>	Del 9.7: Virtual Meeting	<b>Type: Event</b> <b>Type: Report</b>	Virtual meeting on December 5th, 2019	15.03.2020	05/12/2019	achieved
<b>Current Status</b>	Del 9.8: Virtual Meeting	<b>Type: Event</b> <b>Type: Report</b>	Virtual meeting on July 6th, 2020	15.07.2020	06/07/2020	achieved
<b>Current Status</b>	Del 9.9: Virtual Meeting	<b>Type: Event</b> <b>Type: Report</b>	Virtual meeting organized on September 8th, 2020	15.03.2021	08/09/2020	achieved
<b>Current Status</b>	Del 9.10: Virtual Meeting	<b>Type: Event</b> <b>Type: Report</b>	January 15th, 2021, Virtual meeting	15.07.2021	15/01/2021	achieved
<b>Current Status</b>	Del 9.11: Virtual Meeting	<b>Type: Event</b> <b>Type: Report</b>	April 8th, 2021, Virtual meeting	15.03.2022	08/04/2021	achieved
<b>Current Status</b>	Del 9.12: Virtual Meeting	<b>Type: Event</b> <b>Type: Report</b>	May 21th, 2021, Virtual meeting	15.07.2022	21/05/2021	achieved
<b>Current Status</b>	Del 9.13: Project Management Handbook	<b>Type: Report</b>	Report bringing guidelines for project management	15.02.2020	15/02/2022	achieved
<b>Current Status</b>	Del 9.14: Progress of Work Packages	<b>Type: Report</b> <ul style="list-style-type: none"> <li>• Number of meetings</li> <li>• Attendees to the meeting</li> </ul>	Report summarizing first year activities.	15.11.2020	31.12.2020	achieved



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		<ul style="list-style-type: none"> <li>Budget and timing of activities</li> </ul>				
<b>Current Status</b>	Del 9.15: Progress of Work Packages	<b>Type: Report</b> <ul style="list-style-type: none"> <li>Number of meetings</li> <li>Attendees to the meeting</li> <li>Budget and timing of activities</li> </ul>	Report summarizing first year activities.	15.11.2021	31.12.2021	achieved
<b>Current Status</b>	Del 9.16: Progress of Work Packages	<b>Type: Report</b> <ul style="list-style-type: none"> <li>Number of meetings</li> <li>Attendees to the meeting</li> <li>Budget and timing of activities</li> <li>Research projects about the NPR (&gt;2)</li> <li>MoU (&gt;5)</li> <li>Industrial projects/prototypes (&gt;3)</li> <li>Patents (&gt;2)</li> <li>New start-ups (&gt;2)</li> </ul>		15.11.2022		

<b>Deviation of working or time schedule and technical corrective action</b>	
<b>Past or expected bottlenecks</b>	
<b>Working plan for the next 6 months</b>	
<b>Additional comments and suggestions</b>	