

**Periodic Report 12M**  
**on implementation of the project CRENG**  
**within the first 12 months (up to 15<sup>th</sup> January 2020)**  
**PC universities**

- **Deadline of this periodic report:**

15 January 2020

- **Please, send it by email not later than the deadline to:**

[arnold.sterenharz@ecm-office.de](mailto:arnold.sterenharz@ecm-office.de)

[alexandra.ivanova@ecm-space.de](mailto:alexandra.ivanova@ecm-space.de)

- Please, prepare a short presentation (\*.pptx) based on this report in English, which we will post on the Website of the CRENG project (**you will find the template for presentations in the separate file**. You are free to change design of your presentation as you wish).

**Name of the university/organization:** Turkmen State Architecture and Construction Institute (TSACI)

	Questions/Tasks	Comments and Recommendations
1.	Work after the training in TU Berlin, September 2019	<ul style="list-style-type: none"> <li>• September 23, 2019, the presentation by G. Amanova on the work done and further activities under the CRENG project at a meeting of the department</li> <li>• September 28, 2019, a discussion of the results of the CRENG team project at a meeting of the faculty</li> <li>• September 30, 2019, G. Amanova's speech at a meeting of the Academic Council of the Turkmen State Architectural and Construction Institute</li> <li>• On October 17, 2019, a webinar was held between universities (the International University of the Humanities and Development; the Institute of Telecommunications and Informatics of Turkmenistan and the Turkmen State Institute of Architecture and Construction).</li> </ul>
2.	Teaching materials The curricula update	<ul style="list-style-type: none"> <li>• Please, write a review to the teaching materials you received during the training in Berlin (August 2019) and fill in the Table 1 in the Appendix with the information which existing courses you update (+% of readiness) and what materials you will use for them + how these materials are going to improve the existing courses + responsible teachers.</li> <li>• Reminder: the materials from the training you can find <a href="https://drive.google.com/drive/folders/1ir1oob2_hAO4jSKEMqBgEGwhUIZcfltw?usp=sharing">here:</a> <a href="https://drive.google.com/drive/folders/1ir1oob2_hAO4jSKEMqBgEGwhUIZcfltw?usp=sharing">https://drive.google.com/drive/folders/1ir1oob2_hAO4jSKEMqBgEGwhUIZcfltw?usp=sharing</a></li> </ul>

3.	New curricula	<ul style="list-style-type: none"> <li>• Please, if possible, inform us about your plans regarding new curricula in your university. If you have ideas about new curricula, please fill in the Table 2 in the Appendix + indicate which teaching materials you are planning to use to create new curricula + responsible teachers.</li> <li>• Provide the schedule of re-training of teachers in the new teaching materials that were received at the training in TU Berlin and that will be used for the updated and new curricula</li> </ul>
4.	Accreditation	<ul style="list-style-type: none"> <li>• Please, inform the deadline of the accreditation on the institutional level + describe the future procedure of accreditation</li> </ul>
4.	Quality assurance	<ul style="list-style-type: none"> <li>• Please develop a questionnaire and conduct survey on participants' satisfaction of training in TU Berlin in September 2019.</li> <li>• Provide a list of the Quality indicators with the help of which quality of your courses/modules/curricula will be assessed.</li> <li>• Provide a list of possible peer reviewers of the future new curricula</li> <li>• Provide the work plan of Quality group until May 2020</li> </ul>
5.	Report on implementation of activities concerning dissemination and sustainability of the project results.	<p><b><u>For those who haven't done it yet! :</u></b></p> <ul style="list-style-type: none"> <li>• Send the list/draft of related to the project universities and non-academic partners and organizations outside the project who can be interested in the project results. Send us a plan dissemination events for these interested in the project stakeholders. Inform us about the planned date of the next event. If the event has already taken place, send us its press release.</li> <li>• Send scans of bilateral agreements between university and farmers/research centers/ other non-academic partners</li> <li>• Report on dissemination of the information about the project in mass media: <ul style="list-style-type: none"> <li>➔ Send us links or scans/files of <b><u>publications</u></b> about the project in mass media: magazines, newspapers, TV, the Internet etc., with the date of their publications.</li> <li>➔ If they are not published yet, inform us when you are planning to publish them.</li> </ul> </li> <li>• Inform us about <b><u>dissemination meetings</u></b> on project activities for students, teachers and administrative staff of your university incl. top management:</li> </ul>

		<ul style="list-style-type: none"> <li>- How many dissemination meetings have been already carried out and when?</li> <li>- Send us press releases of the carried-out dissemination meetings as well.</li> <li>• Send us the plan of future dissemination activities until May 2020 + Dissemination and Sustainability plan for the 2<sup>nd</sup> project year</li> <li>• Send us a document with a link to your university <b>website</b>, where you posted information about the participation in the project and a link to the project webpage</li> <li>• <b>Send a press-release/review of the training in TU Berlin including photos + post about the training in the university web-site</b></li> </ul>
6.	Preparing and publishing brochures/leaflets of the project outputs	<ul style="list-style-type: none"> <li>• Report on preparing/publishing <b>new brochures/leaflets</b> about the project outputs: <ul style="list-style-type: none"> <li>➔ Send us prepared/published E-layouts or drafts of brochures and leaflets;</li> <li>➔ Inform us about the dates of approximate printing, publishing and distribution of brochures and leaflets.</li> </ul> </li> </ul>
7.	Preparation of documentation for a CRENG SO	<p><b><u>If you haven't done it yet:</u></b></p> <ul style="list-style-type: none"> <li>• Send us drafts of organizational documents for the CRENG SO creation in your university: regulations of structural division and job descriptions (1-3 persons)</li> </ul>
8.	Rooms for equipment	<ul style="list-style-type: none"> <li>• TSACI, Economy and management faculty, room A-416</li> </ul>
8.	Report on the communication process between your University and other PC Universities, EU partners, the Coordinator, and other project participants.	<ul style="list-style-type: none"> <li>• Inform us which means of communication you use to communicate with other PC Universities, EU partners, the Coordinator and other project participants: Skype, zoom, imo messenger, phone and e-mail.</li> <li>• What are advantages: communicable skills</li> <li>• NO</li> </ul>
9.	Additional information	<ul style="list-style-type: none"> <li>• If you have any other additional important information, complaints, suggestions, problems with the project implementation process (or other project related processes) that you want to discuss/report, please, inform us about it.</li> </ul>

Approved:

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*Local project coordinator*

**Appendix****Table 1. Teaching materials and existing courses to update**

<b>Title of the existing course to update</b>	<b>Name of the person(s) responsible for update + email</b>	<b>ECTS and hours for lecture/practical work</b>	<b>Teaching materials that will be used</b>	<b>How will the teaching materials improve the existing course? What will be new in the course due to the teaching materials?</b>	<b>% of readiness of the course</b>
Logistics	Suleymanov Resul Amanova Gowher	118/118	Introduction to the specialty; Basics of logistics; Foundations of a legal economy; Supervision of the logistics system	Used "Anylogic".	85
Economics of enterprises	Suleymanov Resul Amanova Gowher	86/86	Economics of construction industries; World economy; Theory of economics;	New technologies and big data for innovations in crisis and risk management + IT Security	90
Management	Myradova Sulgun Ballyyev Gayypnazar	68/68	Basics of management; Arbitrary management; Investment management; Cultural management.	Used "Bullwhip effect"	85
Business Ethics	Myradova Sulgun Atageldi Garajayev	68/68	Ethics of Entrepreneurship; Fundamentals of foreign economy.	Introduction to Module Soft Skills for Engineers	90
Organization and management of transport networks	Bavramova Orazbibi Bendow Maksatguly	100/100	Planning and management of the transport system; Logistics infrastructure of international transport.	Risk and crisis forecast, Analysis and Reduction Methods and Tools	90
Network Logistics Analysis	Karatayev Kakabay Myradov Yolly	156/104	Analysis of system; Logistics; Statistics; analysis of the manufacturing industry.	The introduction of digital electronic devices in training, the use of modern equipment in practical classes.	90

Fundamentals of the economics of logistics and supply chain management	Myradova Sulgun Amanova Gowher	120/120	Fundamentals of the economics of logistics and supply; Chain management Scientific and supervisory work construction supply; Logistics information management of funds in logistics.	Global supply chain management and International Logistics	90
Storage and distribution in logistics	Bavramova Orazbibi Karatayev Kakabay	72/72	Storage and distribution in logistics; system management service provision.	Simulation of complex transport processes and systems that operate in conditions of risks	100%
Project and risk management in construction	Myradova Sulgun Bendov Maksatguly	72/54	Project and risk management in construction; Occupational Safety and Health Organization of management and production in construction; Organization and management of construction equipment and transportation of construction.	Simulation of complex transport processes and system that operate in conditions of risks.	100%

Table 2. Teaching materials and new curricula

Title of the possible new course	Name of the person(s) responsible for developing + email	ECTS and hours for lecture/practical work	Teaching materials that will be used
Logistics	Suleymanow Resul Amanowa Gowher <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	118/118	Used "Anylogic".
Economics of enterprises	Suleymanow Resul Amanowa Gowher <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	86/86	New technologies and big data for innovations in crisis and risk management + IT Security
Management	Myradova Sulgun Ballyyew Gayypnazar <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	68/68	Used "Bullwhip effect"
Business Ethics	Myradova Sulgun Atageldi Garajayew <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	68/68	Introduction to Module Soft Skills for Engineers

Organization and management of transport networks	Bavramowa Orazbib Bendow Maksatguly <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	100/100	Risk and crisis forecast, Analysis and Reduction Methods and Tools
Network Logistics Analysis	Karatayew Kakabay Myradow Yolly <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	156/104	The introduction of digital electronic devices in training, the use of modern equipment in practical classes.
Fundamentals of the economics of logistics and supply chain management	Myradowa Sulgun Amanowa Gowher <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	120/120	Global supply chain management and International Logistics
Storage and distribution in logistics	Bavramowa Orazbib Karatayew Kakabay <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	72/72	Simulation of complex transport processes and systems that operate in conditions of risks
Project and risk management in construction	Myradowa Sulgun Bendow Maksatguly <a href="mailto:bent@yandex.com">bent@yandex.com</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	72/54	Simulation of complex transport processes and system that operate in conditions of risks.