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Trans-Regional Environmental Awareness for Sustainable Usage of Water Resources

Институциональное партнерство в целях устойчивости  
трансграничного водопользования: Россия и Казахстан»

## **Intermediary Report on the Internal Quality Evaluation of the Courses for Staff Development**

ERASMUS+ Project No. 561775-EPP-1-2015-1-DE-EPPKA2-CBHE-JP  
Trans-Regional Environmental Awareness for Sustainable Usage of Water  
Resources  
(TREASURE-WATER)

**Presented by the Trans-Institutional Working Group for Quality Assurance (TWG-Quality)  
At the project concluding conference, 3-15 December, ALU, Freiburg  
15.12.2017**

**Members of the Quality Trans-institutional Working Group (TWG) :** Prof. E. Wagner (ALU), Dr. G. Telegina (TyuSU), Dr. H. Skoulikaris (AUTH), Dr. B. Krasnoyarova (IWEP), Dr. R. Beisenova (ENU); Dr. B. Medeubaeva (EKSU), Dr. T. Antyufeeva (ASU), Dr. O. Baryschnykova (ASU), Dr. E. Zarov (YuSU), Dr. N. Zherebyateva (TyuSU), V. Gurskii (LLC “Tyumen Vodokanal”)

### **Introduction**

The TWG on Quality issues (TWG-Quality) of the staff development learning programmes TREASURE-WATER have analysed the catalog of modules, their content, labour input, the planned learning outcomes, compliance with the level of professional competencies requirement of industrial partners. The purpose of the evaluation has been to assess the progress and to define a unified form for presenting the contents of the modules and to agree on the duration of each module. The results of the report are to be presented at the final meeting 15 December 2017 to get the consortium's approval of the proposed recommendations.

### **Methodological Support for the development of the curricula and courses for professional development**

Analysis of teaching programmes and courses for professional development has demonstrated diversified approaches to the volume of a module, its structure, the aimed competences and the outcomes of training.

As a result of the discussions and work of the TWG the following has been achieved:

- unified requirements to a module have been developed; matrix of competences has been compiled, taking into account different level of professional training, following the EAHEA QF and the actual Guidelines for the field of Meteorology, Hydrology and Climate services;
- a template for a standardized presentation of course and module description has been agreed on;

- the criteria for internal quality evaluation for training programmes have been developed;
- recommendations were made to the author of the modules to make changes in the appropriate modules according to the recommendations, using the adopted template and integrating the criteria and the matrix of competences.

The following parameters for the syllabi and course descriptions were recommended:

- to consider a module as a unit of a training course (discipline) corresponds to 0,5 ECTS (18 academic hours, including 8 contact hours, 8 hours of self-study and 2 hour of consultation and/or assessment.
- to follow the accepted requirements for form and content of the recommended information sources;
- to complete the corrections according to the teaching blocks before the deadline: 15.01.2018,

Unit I Sustainable Usage of Transboundary Water Resources. Persons in charge of internal quality control: Prof. V. Zemtsov, Prof. Vice Rector for Academic Matters A. Myrzagalieva.

Unit II Legal and Regulatory Framework for Transboundary Water Resources Management. Persons in charge of internal quality control: Prof. B. Krasnoyarova; Prof. Vice Rector for Academic Matters A. Myrzagalieva; Dr. O. Kornilova.

Unit III State-of-the-art Technologies for Engineering Water Management Facilities. Persons in charge of internal quality control: Prof. Sh. Tulegenov, Dr. E. Pinigina.

Unit IV Monitoring of Water Systems in Transboundary Areas. Persons in charge of internal quality control: Prof. R. Beisenova, Dr. E. Pinigina.

Unit V Special Features of Water Resources Management in the Transboundary Basins Persons in charge of internal quality control: Dr. I. Akhmedova, Prof. Vice Rector for Academic Matters A. Myrzagalieva.

Unit VI Applied Computer Technologies for TWRM. Persons in charge of internal quality control: Dr. E. Zarov, Dr. I. Idrisov.

- to assess effectiveness of implementation of professional development courses to develop minimum 4 testing assignments for each module, corresponding to the targeted level of competence. The assignments are to be up-loaded onto the project Moodle platform.

#### **Criteria for the internal quality evaluation of the content of modules:**

- Correspondence of the level and competences targeted by the module, to the needs of potential trainees and existing Professional Standards;
- Correspondence of the volume of the module to the approved by the TWG-Quality 18 academic hours;
- Correspondence of the volume of the training course to the minimal requirements to similar programmes, determined by the national standards and norms to allow awarding of a state certificate for RF from 18 hours for an institutional certificate; 36-72 hours - a national format certificate;
- Correspondence of the teaching outcomes to the level and content of the competence;
- Correspondence of the teacher's qualification to the topic of the module;
- Correspondence of the module content to the general theme of the programme and the targeted competences;
- Answering to all necessary criteria in terms of form and content, including technical requirements of the e-platform;
- Summary of the module in English.

## **Formation of a data base of potential customers: recommendations.**

- At the initial stage: companies and organizations in the water sector linked with the HEI by agreements on cooperation. Their staff will be approached on the piloting stage for the professional development courses. They will also be involved as external expert for the course quality evaluation.
- At the following stage analysis of the existing labour market in the relevant segments will continue to enrich the created data source of the water management stakeholders and will be regularly updated.
- A questionnaire for external course evaluation has been developed and will be used for organizing external quality evaluation and getting feedback.

## **Conclusion**

The deadline for the completion of the corrections according to the above recommendations: 15.01.2018.

The process of the required improvements to be monitored by the responsible for each unit/block members of the TWG-Quality.