

# NEWSLETTER

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## Over 600 people reached via information sessions at RU and VN partner universities

In the period from October 2018 till February 2019 Russian and Vietnamese partners of ESSENCE consortium have organized 16 information sessions for administrative and academic staff as well as representatives of industrial partners with over 600 participants. Each partner has chosen the best way to organize the events to reach out to the maximum number of target audience: on-site sessions, guest presentations, as a part of larger events etc. Inter alia, ESSENCE project was presented at such large-scale events as

Vietnam Symposium on Advances in Offshore Engineering (VSOE) and International Forum “Russian Grids”.



### Syllabi of SES curriculum available for wider public

Russian and Vietnamese partners have finished the development of course syllabi under the guidance of P4/TPU. From November 2018, materials are [available on ESSENCE web-site](#) for free download and use.

### Cross coaching between Erasmus+ projects at P1/RTU

Riga Technical University (P1) presented the ESSENCE project to the participants of another Erasmus+ CBHE project “Development of master curricula for Electrical Energy Markets and Engineering Education” (ELEMEND) during the workshop on novel ICT learning techniques, which was held from 12th to 14th of November 2018 in Riga, Latvia. The main emphasis was laid on the project results achieved, the experience gained and the lessons learnt so far. There was an opportunity to discuss particular

questions regarding quality assurance and practice-oriented teaching techniques individually.



### P3/TUKE presents ESSENCE at professional seminar



TUKE presented the project ESSENCE at professional seminar “Current Problems of Electricity in the Slovak Republic” held under

the auspices Ing. Miroslav Biroš, Chief Executive Officer of BBF ELEKTRO, s.r.o. on the occasion of the 45th anniversary of FEI TUKE Department of Power Engineering in Poráč PARK on November 8-9, 2018. Specialists from the energy sector had a lot of interest and questions to implementation of the proposed SES courses since their portfolio is also intended to Smart Metering and Control Systems. They are waiting for the results of this project and further steps in the next seminar.

## EACEA field monitoring visit results

On November 08, 2018 Ms. Anna Muraveva, Deputy Director of National Erasmus+ Office (NEO) Russia and Ms. Julia Redina, NEO staff, visited Tomsk Polytechnic University (P4) with a preventive monitoring of ESSENCE project. The visit was preceded with intense and well-coordinated work of the consortium members to provide updated information on the progress that is being made towards the achievement of the project objectives. Along with the host party - P4

project team - representatives of Ural Federal University (P6) took part in the meeting. ESSENCE coordinator - P1 - participated in the event via Skype. The overall conclusions of the meeting were very positive, NEO experts were glad to notice that in spite of delayed start the project has well advanced. A number of recommendations to improve the project flow and realization have been made and already taken into account by the consortium.

## P4/TPU welcomes ESSENCE associate partner SIEMENS

March 28-29, 2019 Tomsk Polytechnic University (P4) was visited by the representative of ESSENCE associated partner – Vice President and Head of Corporate Technologies SIEMENS in Russia Martin Gitsels. During the visit Prof. Gitsels delivered public lecture “The Challenge of Industrial Digitalization” and discussed cooperation opportunities with TPU in the fields of research and education. The lecture was focused on the key aspects of industrial digitalization, incl. digital energy. A special emphasis was put on such technologies as cloud operating systems for the Internet of Things, Machine learning, advanced modelling and simulation, and many others. Besides, Siemens is one of the global leaders in implementation of digital substation projects, building HDVC and FACTS systems, wind and gas turbine plants, which are the core components of Micro grid, Smart grid and Super grid around the world.

The ESSENCE project results, ongoing and upcoming activities and research cooperation with TPU have also been discussed with Prof. Gitsels. The results of this discussion proved that the defined list and content of the courses follow up the industry expectation. Siemens is a global expert in the subject of most of the courses included into ESSENCE core curriculum and is ready to advise and provide the opportunities for the students to use their product for teaching and learning.



## Partner meeting and seminar on advanced teaching techniques at P1/RTU



On March 18-20, 2019 Riga Technical University (P1) has hosted the ESSENCE partner meeting and the Training on the Advanced Teaching Techniques. During the partner meeting the project progress has been discussed highlighting the most important on-going and up-coming activities. The partners are actively contributing to complete the mid-term report and to improve the quality assurance of the project implementation. The training on the advanced teaching techniques is prepared by TUKE/P3.

The aim of the training is to present the advanced teaching techniques specially selected for the core curricula on Smart Energy System such as Gamification, eduScrum, Brainstorming, e-Learning, Project-based learning.

Along with the formal meetings and sessions, all participants had a chance to enjoy lively discussions during numerous networking activities and social events, including the visit to the RTU design factory.



## Upcoming events

-  Information sessions for students at RU and VN partner universities
-  Finalizing and peer-review of teaching materials
-  Purchase and installation of equipment for SES curricula implementation
-  Pilot implementation of SES core courses and curricula at RU and VN partner universities

For further information about the project please refer to web-site [www.essence-erasmus.org](http://www.essence-erasmus.org)!