

## EVENT REPORT FORM

<b>TYPE OF EVENT:</b>	Study visit
<b>VENUE:</b>	Rijeka, Croatia
<b>ORGANIZER:</b>	UNIRI-RITEH
<b>REPORTING DATE:</b>	17.06.2024.
<b>REPORT AUTHOR(S)</b>	Bojan Prlinčević, Rene Prenc
<b>INSTITUTION:</b>	AASKM, UNIRI-RITEH

<b>Project acronym:</b>	NEST4WB
<b>Project full title:</b>	NEW ENERGY COMPETENCE SYSTEM AND TECHNOLOGY FOR WB ENERGY STABILITY SYSTEM CURRICULUM REFORM
<b>Project No:</b>	101129321 (Call: ERASMUS-EDU-2023-CBHE)
<b>Coordinator institution:</b>	ACADEMY OF APPLIED STUDIES KOSOVO AND METOHIJA
<b>Coordinator:</b>	Phd Bojan Prlincevic, prof.a.s.
<b>Beneficiaries:</b>	SVEUCILISTE U RIJECI-TEHNICKI FAKULTET (UNIRI RITEH), Hrvatska ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON (NKUA), Grčka VSB - TECHNICAL UNIVERSITY OF OSTRAVA (VSB - TUO), Ceska UNIVERSIDAD POLITECNICA DE MADRID (UPM), Spain, AKADEMIJA TEHNICKO-VASPITACKIH STRUKOVNIH STUDIJA (AATPS), Serbia, AKADEMIJA TEHNICKO-UMETNICKIH STRUKOVNIH STUDIJA (ATUSS), Serbia, UNIVERSITY OF MITROVICA (UPKM), Kosovo *, UNIVERZITET U ISTOCNOM SARAJEVU (UES), Bosnia and Herzegovina, University of Mostar (SUM), Bosnia and Herzegovina, UNIVERZITET SINERGIJA BIJELJINA (USB), Bosnia and Herzegovina, LUARASI UNIVERSITY (LRS), Albania, UNIVERSITETI METROPOLITAN TIRANA (UMT), Albania, FAKULTET PRIMIJENJENE NAUKE PODGORICA (FPRN), Montenegro.

## Study Visit - Rijeka

The first study visit was held from June 12-14, 2024, at the University of Rijeka, Faculty of Engineering Rijeka (UNIRI-RITEH), Vukovarska 58, 51000 Rijeka, according to the planned agenda. In addition to the hosts, UNIRI-RITEH, and the coordinator, AASKM, representatives from all partner institutions attended the study visit: UPM, VSB-TUO, ATUSS, AATPS, UPKM, FPRN, UMT, UES, SUM, USB, NKUA, and LRS. A total of 34 representatives from the institutions participated in the study visit. The gender structure of the participants was such that 10 female participants and 24 male participants attended the meeting.

The meeting was opened by the host, Professor Rene Prenc, who thanked the attendees for their participation, welcomed them, and wished them a pleasant and productive stay at the Faculty of Engineering in Rijeka. He also presented the agenda for the study visit to the Faculty of Engineering. Following this, the coordinator, Professor Bojan Prlinčević, also welcomed the participants and briefly outlined the expectations. Next, Saša Vlahinić, representing the Faculty of Engineering, addressed the attendees and introduced the Faculty of Engineering in Rijeka and the Department of Automation and Electronics. Professor Rene Prenc presented the Department of Electric Power Systems. He also provided an overview of the study programs offered at the Faculty of Engineering in Rijeka.

After the presentation of the Faculty and a short coffee break, a tour of the UNIRI-RITEH laboratories was organized. The tour included visits to:

- ✓ Electrical Engineering Fundamentals Laboratory
- ✓ Electrical Machines and Drives Laboratory
- ✓ Laboratory for Automation and Robotics
- ✓ Laboratory for Electrical Measurements and Instrumentation
- ✓ Laboratory for Electric Substations and Secondary Systems

In the afternoon, the participants engaged in an analysis and discussion on the state of the energy sector at the national level in the Western Balkans countries. The presentation of the analyzed state in their regions was carried out by partners from Kosovo\* (AASKM and UPKM), Bosnia and Herzegovina (UES, SUM, and USB), Montenegro (FPRN), and Albania (UMT and LRS). After the presentations and discussion, Professor Bojan Prlinčević and Professor Rene Prenc successfully concluded the first day of the study visit.

The second day of the study visit began according to the planned agenda, with the SC meeting, PMC meeting, and QAB meeting.

The coordinator, Professor Bojan Prlinčević, opened the PMC meeting where he presented the activities carried out so far and all that has been accomplished. He also presented the work dynamics for the upcoming period throughout the entire project. The sustainability plan and the QA guide and QAP

were discussed. At the end of the PMC meeting, it was agreed that the next study visit, planned to be held at the partner from Greece, NKUA, would take place from October 9-11, 2024. It was also planned that the study visit to the partner in the Czech Republic would be held from March 25-27, 2025, in Ostrava. The fourth, last one, study visit to Spain is planned to be held by the end of the 17th month of the project, and it was agreed that the final date for the visit to UPM would be determined at one of the upcoming meetings. At the PMC meeting, a proposal was discussed to move the Dissemination meeting, planned for the third year of the project lifecycle, to the second year due to the regular date of the scientific conference where Dissemination meeting will be held. The consortium agreed that the Dissemination meeting organized by the partner institution FPRN, planned at the international scientific conference IT-Žabljak, would be held from February 19-21, 2025, in Žabljak.

Afterwards, the Sustainability plan has been presented by the representatives of the institution in charge ATUSS. After the presentation and opened discussion, consortium agreed that the sustainability plan would be completed by all the partners individually, technically adjusted and then adopted online. It was also agreed that the QAP would be adopted at an online meeting after minor suggested corrections. Colleagues from Albania, UMT - partner, expressed the need to additionally revise the equipment list (for UMT), explaining that they received suggestions to purchase different equipment after the consultations with the Department management. The coordinator undertook the responsibility to contact the project officer to check if this is possible. It was also agreed that other partners would proceed with the procurement of equipment to avoid delays in procedures, while partners from UMT would wait for the decision and response from the project officer.

At the SC meeting, the project implementation and realization situation was analyzed. It was noted that the implementation is proceeding according to plan and that there have been no issues or reported potential problems so far. At the QAC meeting, the QA plan was analyzed and agreed upon with minor suggestions for correction.

The session continued with the presentation "NEST4WB PMC digging into PM2 methodology," delivered by PhD Joaquín Ordieres Meré. After a coffee break, the session proceeded with the presentation "Assessment and analysis of the position of HEIs, review of qualifications, and analysis of the content of study programs in Western Balkans countries (WB) versus project countries (PC)." Representatives from NKUA, UPM, VSB-TUO, UNIRI-RITEH, ATUSS, AATPS, LRS, UPKM, and UMT presented their conducted analysis and presentations. The Dean of the Faculty of Engineering, Professor Lado Kranjčević, addressed the attendees after the coffee break, welcoming them and wishing them a pleasant stay at UNIRI-RITEH. Colleagues from NKUA (leaders of WP3), Maria Koukou and Vrachopoulos Michail, presented the plan for the implementation of WP3. After the presentations the last hour of the second working day was used for planning the next study visit to Greece, to the NKUA partner. The second working day of the study visit was concluded by Professor Bojan Prlinčević and Professor Rene Prenc after discussions and concluding remarks.

The third working day of the study visit began at the time and according to the planned agenda. The session continued with the presentation "Assessment and analysis of the position of HEIs, review of qualifications, and analysis of the content of study programs in Western Balkans countries (WB) versus project countries (PC)." Representatives from AASKM, UES, FPRN, USB and SUM presented their conducted analyses and presentations. After a short coffee break, Professor Rene Prenc presented "Defining a framework for developing new qualifications and competencies in the energy sector through the use of digital tools and ICT (review of the applicability of digital technologies)" based on the presented analyses and collected documents. This was followed by an "Analysis of existing methodological models for teaching, with an emphasis on the hybrid model." After the lunch break, Professor Rene Prenc continued the session where he presented "Defining the development of new methodical models for the implementation of the teaching process based on digital technologies" and "Defining a model for the development of an interactive e-learning platform." During this session, Professor Prenc presented the national e-learning platform. In the end, a discussion was opened about the work at the meeting. After the discussion, the meeting was successfully concluded by the coordinator and the host.

### **Study visit Summary/ Overview**

Date: Jun 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup>, 2024

Location: University of Rijeka, Faculty of Engineering Rijeka (UNIRI-RITEH), Vukovarska 58, 51000 Rijeka.

Model: The meeting was organized In-person format.

Attendees:

In-Person: Representatives from AASKM, UPM, NKUA, VSB-TUO, UNIRI RITEH, ATUSS, AATPS, UPKM, FPRN, UMT, UES, SUM, LRS and USB.

Day 1: June 12, 2024

The study visit began with an opening session by Professor Rene Prenc, who welcomed the attendees, presented the agenda, and outlined the expectations.

Professor Bojan Prlinčević, the coordinator, also welcomed the participants and briefly introduced the expectations for the visit.

Presentations were made by Saša Vlahinić and Professor Rene Prenc on the Faculty of Engineering, its departments, and study programs.

A tour of the UNIRI-RITEH laboratories was organized, including visits to the Electrical Engineering Fundamentals Laboratory, Electrical Machines and Drives Laboratory, Laboratory for Automation and

Robotics, Laboratory for Electrical Measurements and Instrumentation, and Laboratory for Electric Substations and Secondary Systems.

In the afternoon, participants discussed the state of the energy sector at the national level in Western Balkans countries. Presentations were given by partners from Kosovo\* (AASKM and UPKM), Bosnia and Herzegovina (UES, SUM, and USB), Montenegro (FPRN), and Albania (UMT and LRS).

The first day concluded with remarks from Professor Bojan Prlinčević and Professor Rene Prenc.

Day 2: June 13, 2024

The second day began with SC, PMC, and QAB meetings.

Professor Bojan Prlinčević presented the activities carried out so far and discussed the sustainability plan and the QA guide and QAP.

It was agreed that the next study visit would be held at NKUA, Greece, from October 9-11, 2024, and another in the Czech Republic from March 25-27, 2025, in Ostrava. The visit to Spain is planned for the end of the 17th month of the project.

A proposal to move the Dissemination meeting to the second year was discussed and agreed upon. The meeting will be held from February 19-21, 2025, at the IT-Žabljak conference.

The sustainability plan and QAP will be revised and adopted online after corrections.

UMT partners requested another revision of their equipment list. The coordinator will check with the project officer about this possibility.

The SC meeting analyzed the project implementation, and it was noted that everything is proceeding according to plan.

The QAC meeting reviewed the QA plan with minor suggestions for correction.

Presentations continued with "NEST4WB PMC digging into PM2 methodology" by PhD Joaquín Ordieres Meré.

The day concluded with planning the next study visit to NKUA, Greece.

Day 3: June 14, 2024

The third day continued with further presentations on the position of HEIs and study program analyses in Western Balkans countries versus project countries.

After a coffee break, Professor Rene Prenc presented frameworks for developing new qualifications and competencies in the energy sector using digital tools and ICT.

The session included an analysis of existing methodological models for teaching, with an emphasis on hybrid models.

After lunch, Professor Prenc presented new methodical models for teaching using digital technologies and an interactive e-learning platform.

The national e-learning platform was introduced, followed by a discussion.

The study visit concluded with remarks from the coordinator and the host.

- Appendixes:
  1. Agenda,
  2. Attendance lists,
  3. Presentations on the state of the energy sector at the national level in Western Balkans countries
  4. Presentations of "NEST4WB PMC digging into PM2 methodology" by PhD Joaquín Ordieres Meré
  5. Progres report
  6. Assessment and analysis of the position of HEIs, review of qualifications and analysis of the content of study programs in WBC versus PC.
  7. Presentation of framework for developing new qualifications and competencies in the energy sector through the use of digital tools and ICT (review of the applicability of digital technologies)
  8. Presentation – introductory presentations for WP3.

**REPORT DONE BY:**

  
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[Name and Surname]

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[Name and Surname]