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Development of practically-oriented student-centred education in the field of modelling of Cyber-Physical Systems – CybPhys

609557-EPP-1-2019-1-LV-EPPKA2-CBHE-JP – ERASMUS+ CBHE

**Monitoring visit
MC and WS meeting
November 25th 2022**

**Anatolijs Zabashta
Nadezda Kunicina
Anastasija Zhiravecka**
Riga Technical University

Friday November 25th

Agenda	Time	Contributor
Registration	09:45	
<i>Online session</i>		
Confirmation of Agenda. Project overall progress	10:00	RTU: Coordinator A. Zabašta
Adjustment of partnership and extension of the project implementation – an input from EACEA	10:10	EACEA: Rosalba Nardelli, Project Officer
Situation in Ukraine, challenges, needs and ideas and opportunities	10:25	NEO - Ukraine
Introduction from administration of Chernihiv Polytechnic National University	10:40	Head of International Relation Office of CPNU Anna Dyvnich
WP2: Development, testing and accreditation of newly developed and modernised courses.	10:45	WP2 leader KhNAHU, CPNU, KNU: A. Hnatov, V. Kazymyr, V.Sistuk.
WP2/WP5: feedback from the stakeholders on new and modernised courses.	11:05	KhNAHU, CPNU, KNU, RTU: A. Hnatov, V. Kazymyr, V. Sistuk, A.Zabašta
WP4: Developing the Sharing Modelling and Simulation Environment platform. Demonstration.	11:20	WP4 leader V. Kazymyr
WP2: Arrangements for students training at UCY in January – February 2023	12:00	UCY and all partners.
WP6: Dissemination and Exploitation plan in warship situation. Progress.	12:15	WP6 leader: KNU V. Sistuk.
The end of on-line session	12:30	
Lunch break	12:30	
<i>On-site session Azenes 12/1, room 314</i>		
Meeting with the Rector of RTU	13:00	RTU and EACEA
Visit of RTU laboratories	13:30	RTU and EACEA
Other issues and conclusion of the day	14:30	RTU and EACEA

Project progress

- Despite the warship Ukrainian partners continue the education process online
- Ukrainian partners arranged survey of industrial and academic stakeholders.
- ***Report with recommendations for new master-level programs introduced in Ukrainian universities beyond the project*** (based on the survey) D 6.4 is ready
- EACEA has accepted extension of the CybPhys implementation by May 14th 2023!
- Adjustment of partner's budgets have been made.
- Adjustments to Partners agreements have been sent to partners for a confirmation.

Implementation of the curricular (WP2)

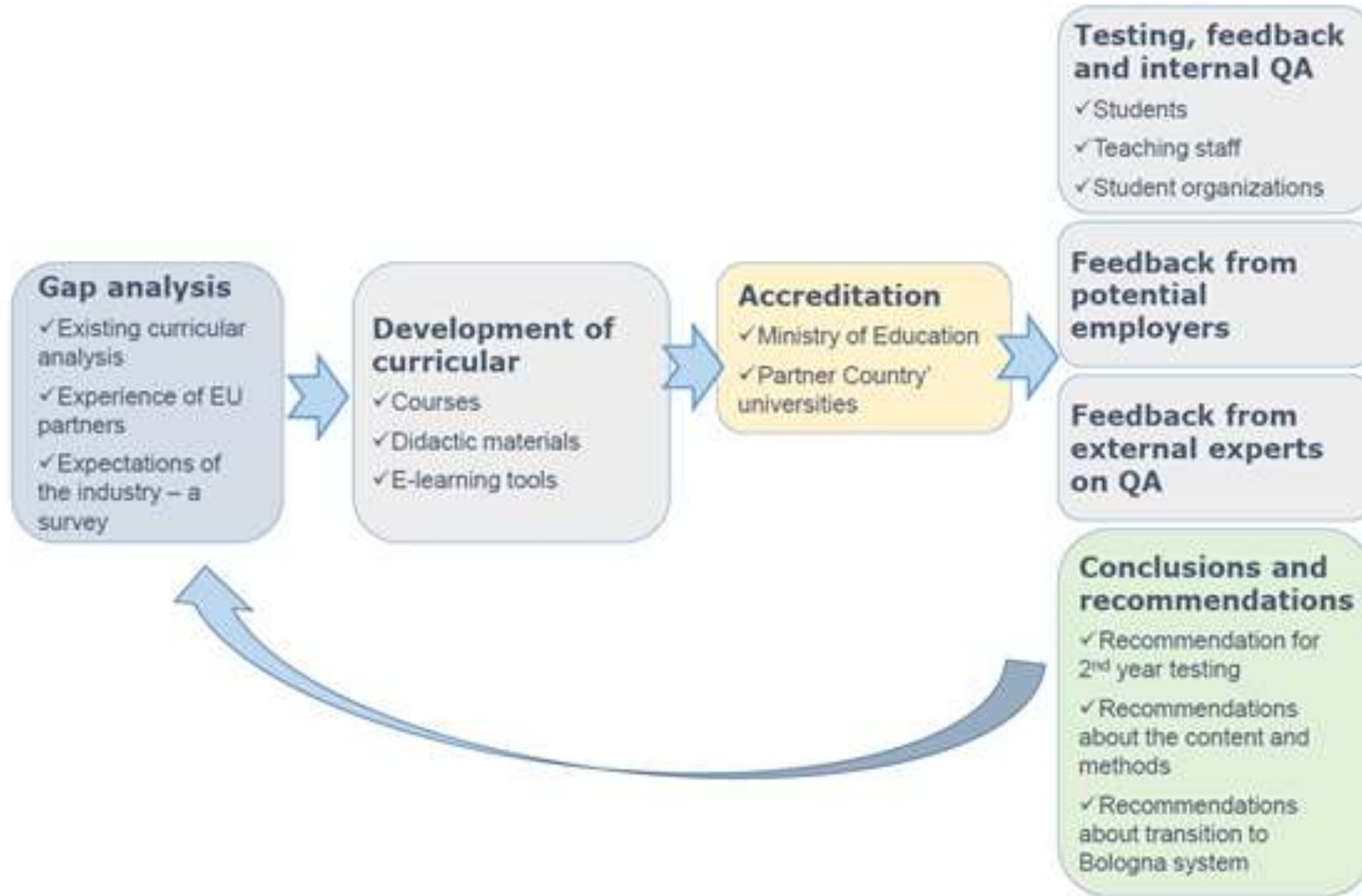
KhNAHU

WP2/WP5: feedback from the stakeholders on new and modernised courses

Method of new curricula testing with feedback from teaching staff, students, students organizations, and entrepreneurs (professional associations, enterprises, etc.) involved in student teaching and curricula enhancement

(covered 2.8; 5.5 and 6.4 of the QAP)

Sustainability Report with recommendation



WP2: Arrangements for students training at UCY in January – February 2023

UCY and Ukrainian partners

Developing the Sharing Modelling and Simulation Environment platform: WP4

CPNU and UCY (methodical support)

Dissemination and Exploitation and Sustainability of results (WP6)

KNU

Further tasks and the next steps

Further tasks and the next steps – meeting, mobilities

	LV	RTU	Project Officer monitoring visit to RTU:		In parallel with MC and WS	November 25-25th 2022
P3	CY Nicosia	UCY	Students training in Nicosia, 4 pers., x 3 universities., 14 days (is shifted from January 2022)		WP2	Two weeks: Jan. 30 – Feb. 10 th , 2023
P1	LV	RTU	MC and WS – 1) Masterclass (instead of Harkiv, April 2022). 2) Workshops for curricula development - Double degree , instead of Harkiv, May 2022).		WP2: WS7	March 16-17 th 2023, Riga.
P2	BE	KU Leuven	MC and WS – 1) Acquisition of SMSE – eLearning platform; 2) Quality assurance ; 3) Accreditation of new/modernised courses and study programs.		WP2, 3, and 4: WS10	April 13-14 th 2023, Bruges
P1 0	UA	KNU Kryvyj Rih	Final Conference: 2 persons x 4 days. All partners. - Variant 1: Final Conference: KNU , <i>Hybrid or in Online format.</i> - Variant 2: RTU, Riga (or Bruges, Nicosia) – for safety reason, hybrid format.		WP6: Dissemination	April 27-28 th 2023
			-On-line ad hoc meetings in January, February -Workshop for teachers-experts on SMSE in December - Inform. session for stakeholders, Kharkiv?			

Further tasks and the next steps

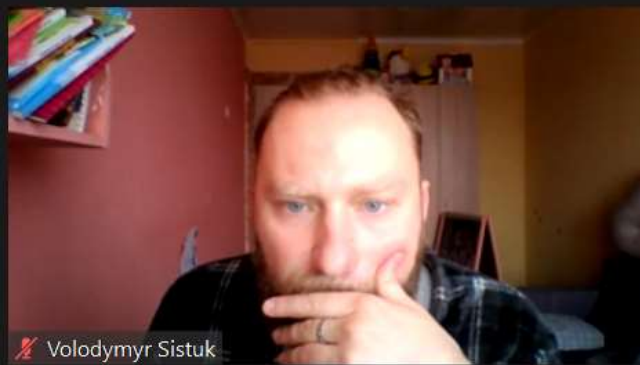
- **Students training** in UCY, Nicosia, 4 pers., x 3 universities., 14 days, Jan. 30 – Feb. 10th, 2023
- CPNU will arrange a seminar for teachers-experts on **SMSE** in December
- Ukrainian partners will publish all documents, which must proof accreditation of the courses and study programs in the e-Library of CybPhys.
- Ukrainian partners plans to finish accreditation of study programs and courses by the end of **April 2023**.
- All partners must pay attentions to sustainability issues and obligations beyond the project.



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Thank you for the questions!



Volodymyr Sistuk



Anatolijs Zabašta



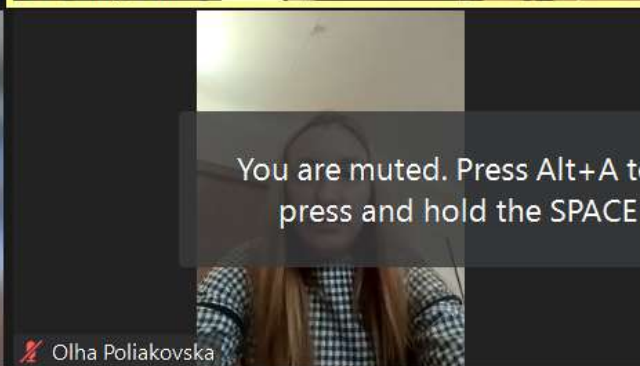
Joan Peuteman



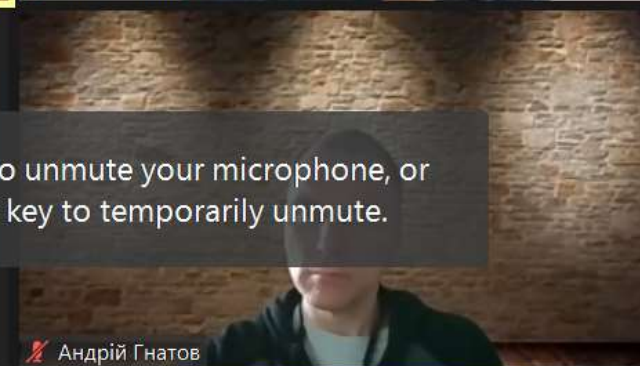
Stella Hadjistassou



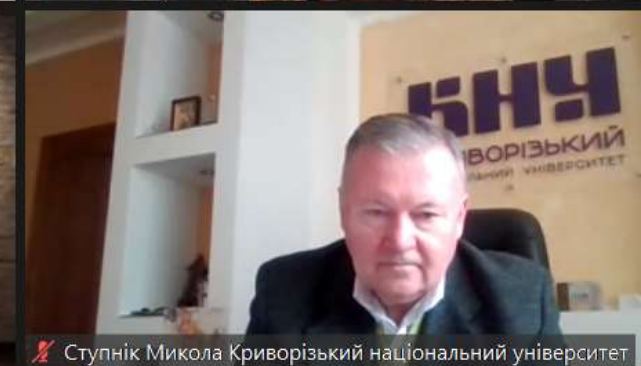
Irina Ciornei (UCY)



Olha Poliakovska



Андрій Гнатов

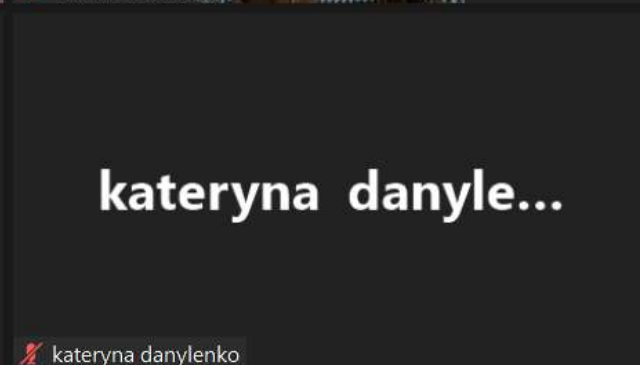


Ступнік Микола Криворізький національний університет

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Oleksandr Drozd

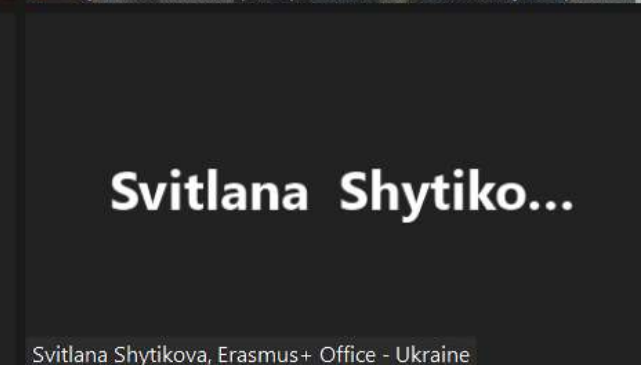


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Ганна Дивнич

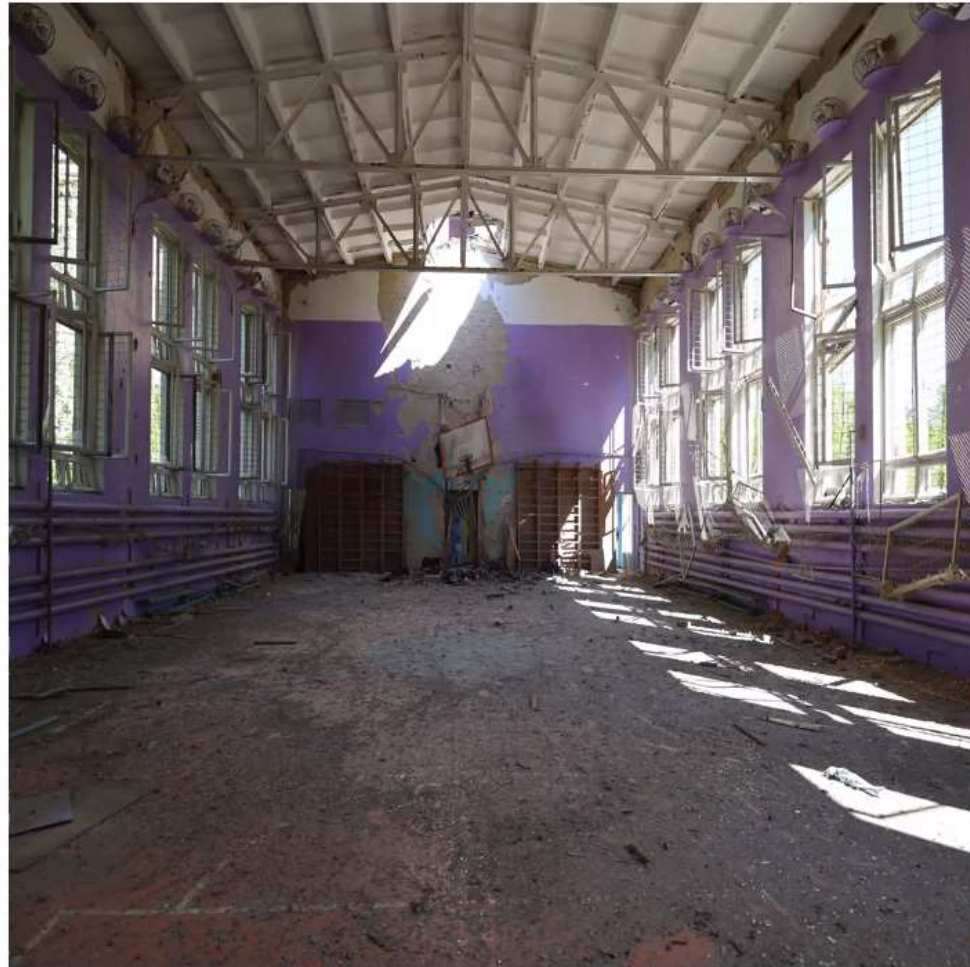


Svitlana Shytikova, Erasmus+ Office - Ukraine

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Unmute Stop Video Security Participants 12 Polls Chat Share Screen Record Breakout Rooms Interpretation Reactions Apps Whiteboards End

Repair works





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Kharkiv National Automobile and Highway University



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KA2: «CybPhys»

Conclusions

A general recommendation for all courses from the scientific and academic staff is to consider the possibility of adding practice in production, as well as expanding the list of practical and laboratory work for the relevant courses. **At the same time, employers offered** to conduct practical and laboratory classes in production, in service station conditions. This allows students to acquire skills in working with real equipment and significantly reduces, or even removes, the time for retraining and adaptation of a specialist at the start of his work. Also, it should be noted that this approach leads to **a double win situation**. One of the elements in the accreditation of an educational program is cooperation with employers, internships at employers' enterprises and conducting any types of classes by employers. Therefore, the implementation of the specified recommendations in the educational process will **contribute to the improvement of its quality**. Also, such master program becomes **attractive for the labor market** and, accordingly, for the applicant at the stage of its selection.

The feedback received from academic staff and employers is a very important and necessary element in ensuring the quality of the educational process for the specialty "Electric Power Engineering, Electrical Engineering and Electromechanics" under the master program "Electric Vehicles and Energy-Saving Technologies". The recommendations received will be considered at a meeting of the **Vehicle Electronics Department**, which is the graduating (main) department in this specialty. Based on the results of this meeting, appropriate changes will be made to the courses, which will improve the quality of education and make the Master's program "Electric Vehicles and Energy-Saving Technologies" even more relevant to the labor market in the field of electrical engineering and transport.

KIOS Testbeds



<https://www.kios.ucy.ac.cy/power-systems-testbed/>

ΚΟΙΟΣ

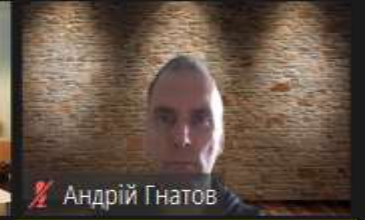
25/11/2022

CybPhys Project Meeting

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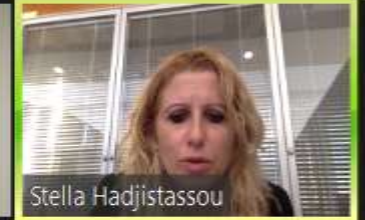
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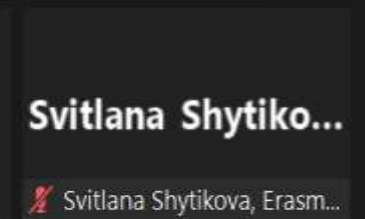


Volodymyr Kaz...

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Oleksandr Drozd



Svitlana Shytiko...

Svitlana Shytikova, Erasm...