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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

Workshops and MC
April 27th and 29th 2023

Anatolijs Zabashta,
Project coordinator
Riga Technical University

Agenda for April 27th

Day 1: Thursday, April 27th, Pre-Conference Workshop, Azenes 12/1 - 414		
Agenda	Time	Contributor
<i>Registration</i>	<i>12:45</i>	
Adoption of agenda. Project progress.	13:00	RTU A. Zabašta
New programs and courses accreditation	13:30	CPNU, KhNAHU, KNU
WP6: Dissemination of results. Progress, reporting.	14:00	KNU, all partners
QAP implementation. Implementation of recommendations of the external expert on QA.	14:30	UCY, all partners
<i>Coffee brake</i>	<i>14:30-15:00</i>	
Final Technical report (Activity's report)	15:30	RTU, all partners
Project financial aspects, preparation to the Final Financial reporting	16:30	RTU A. Zabašta, all partners
Other issues and conclusion of the day 1	17.00	All participants
<i>The end of the day</i>	<i>17:30</i>	

Agenda for April 29th

Day 3: Saturday, April 29th, Post-Conference Workshop, Azenes 12/1, 414		
<i>Registration</i>	<i>09:00</i>	
Discussion about the Final conference results	09:30	All partners
Future collaboration issues in the EU and other project programs	10:00	All partners
The visiting of Laboratories of RTU EVIF	11:00	RTU K. Vitols, all partners
Conclusions, next steps	13.00	RTU A. Zabašta, all partners
<i>The end of the day 3</i>	<i>13.30</i>	

Project progress

- Purchase of laptops is on a way – *evidences as soon as possible!*
- External expert on quality assurance issues has issued the Report
- Workshop on virtual labs based on SMSE was arranged by CPNU colleagues in Riga
- RTU has signed an agreement with a financial auditor
- Consortium has started preparation of a final report

The project targets and deliverables

Implementation of the curricular (WP2)

Courses and programs: new / updated

- BSU: courses 11/2; Programs 1/1
- GSU: courses 10/2
- MSPU: courses 4/1
- CNTU: Courses 5/2; Programs 1 (and 1 updated)
- KhNTHU: Courses 2/4; programs 1
- KNU: courses 3/4; programs 1

Total: courses Belarus 25/5 and Ukraine 10/10 = 35/15 = 50

What we promised! *Indicators 1*

- Expected number of new/updated courses to be DEVELOPED/ ACCREDITED/ IMPLEMENTED: **50**
- Volume (in ECTS) of new/updated courses: **240**
- Number of planned learners enrolled per course delivery: **15**
- Expected number of partner country "HEIs' students" to be trained: **420**
- Expected number of partner country "HEIs' academic staff" to be trained: **120.**
- Expected number of partner country "non-HEI individuals" to be trained (priv. sector, NGOs, civil servants, etc.): **4**

Indicators 2

- Number of direct beneficiaries in the Partner countries per year: academic staff from HEIs: **102**
- Number of direct beneficiaries in the PCs (/year): students: **140**
- Number of direct beneficiaries in the PCs (/year): non HEs individuals: **16**
- % of the new curriculum planned to be taught in foreign language of the total of new curriculum developed by the project: **20%**

New teaching books - implementation

1. Bringing Innovations to the Market, ISBN 978-9934-22-673-1
2. Mathematical Modelling of Mechatronic Systems, ISBN 978-9934-22-716-5
3. Model-oriented control in Intelligent Manufacturing Systems, ISBN 978-9934-22-674-8
4. Modern Mathematical Physics: Fundamentals and Application – BSU – several chapters are available
5. High-Performance Scientific Computing and Data Analysis – BSU- **not available!**
6. Cyber-Physical Systems modelling and simulation , ISBN 978-9934-22-675-5
7. Cyber-Physical Systems for Clean Transportation, ISBN 978-9934-22-676-2
8. Control methods for critical infrastructure and Internet of Things (IoT) systems interdependencies analysis – RTU (*ISBN will be beyond the project*)
9. Computer modeling of physical processes (handbook for students and PhD students) – we have all chapters, however, without translation. *Is published in the e-Library*

Dissemination and Exploitation and Sustainability of results (WP6)

WP 5 Quality Assurance:

University of Cyprus and RTU – quality of project implementation

Project financial aspects. Partner's agreements. Tenders for the equipment: WP7

Riga technical University

Documents for a Final report on CybPhys implementation

- **Final Technical report** on progress of the project, period [15.11.19-14.05.23](#).
- **Detailed-budget Excel**
- ***Declaration of Honour (RTU only)***
- **Financial statement PDF, signed, stamped**
- **Table of achieved results**
- **Dissemination/Exploitation Plan (consolidated)**
- **Report about implementation of Dissemination/Exploitation Plan (consolidated)**
- **Quality Assurance Plan**
- **Table of developed courses**
- **Training and mobilities table**
- **Sustainability Plan**
- ***Audit certificate (the report of an external financial auditor, RTU only)***
- **Report of an external QA auditor**

- *Please, check the EACEA letter on evaluation of the Midterm report!*



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Instruction for Final_report

- 609557 Comments.pdf
- Activities report Final_CybPhys_template_2.doc
- audit_certificate_type_ii_1.docx
- CBHE Final Report_Explanatory note.pdf
- cbhe_individual_travel_report.doc
- cbhe_template-timesheet_version_2020_1.xlsm
- E_CBHE_BeneficiarySpace_2019_annex c_Table of achieved results.docx
- Table Achieved_planned_results_CybPhys_3_Midterm_Consolidated_report_28.02.22.doc

Financial issues

- Reminder: a financial report in October 2021 **was prepared without supporting documents!**
- **Dead line: 30.05.2023.**
 - **Technical report 30.05.23**
 - **Financial Statement (in Excel form) 30.05.23**
 - **Financial Statement – signed and stamped only after RTU would confirm Excel**
- *Excel – Table of advance payments to the partners*
- *Examples of budgets forecasts of CPNU and KhNAHU*
- *Calculation of the exchange rate for preparation of the financial report (the case of purchase of laptops)*

Further tasks and the next steps

Further tasks and the next steps

- Preparation to the final reporting.
 - Coordinator shares reporting forms and tables.
 - EACEA comments on the Midterm Report

Documens are available at Erasmus CybPhys Documentation /cyberdocs /Final report

<https://eln.stu.cn.ua/mod/folder/view.php?id=198168>

- WP6 leader will prepare a new **version of KPI: plans versus achievements**
- **The partners send to KNU video, clips for publishing on YouTube.**
- Ukrainian partners will publish all documents, which proof accreditation of courses and study programs in the e-Library of CybPhys

Thank you for the questions!

