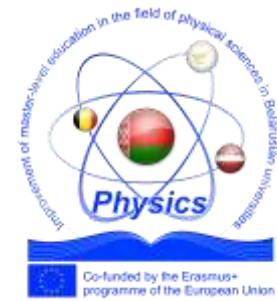




Co-funded by the
Erasmus+ Programme
of the European Union



Improvement of master-level education in the field of physical sciences in Belarusian universities, Acronym: "Physics"

Management meeting 4th and 5th Workshop June 2017
University of Cyprus, Nicosia
Anatolijs Zabašta

Project progress

Midterm Technical report

- The project implementation was assessed as “good”, and it means that the score was between 60 and 74 points
- Agency pointed out a list of recommendations and necessary improvements:
 - Slow usage of the budget. No payment of staff cost!
 - To demonstrate institutional support
 - To resolve Ministry’ personal participation in the meetings
 - Delay of purchase of equipment
 - Quality Assurance Plan to be elaborated
 - To explain how IT tool – Moodle is utilized
 - A new version of Dissemination plan should be developed
 - Demonstrate complementary with the TEMPUS project
 - To explain the role of associated partners
 - To demonstrate project outputs at website
 - To develop Sustainability Plan
- Reduce financing in the case if the project does not achieve planning outputs.
- For example, the 25% reduction of Grant if the final report scores at least 40 points and below 50 points!

Implementation of curriculum, Book on Applied Informatics 2nd draft

Applied Informatics

Nadezhda Kunicina

Anatolijs Zabasta

Anastasija Zhiravetska

Ilja Galkins

Leonids Ribickis

Elias Kyriakides

Peteris Apse-Apsitis

Jelena Caiko

Boris Assanovic

Content

- Chapter 1: Information and Communication Technologies
- Chapter 2: Control Theory
- Chapter 3: Microcontrollers
- Chapter 4: Electrical engineering and automation

Chapter 1: Information and Communication Technologies

- **A. Zabasta**
- **N. Kunicina**
- **Y. Chaiko**
- **L. Ribickis**
- **B. Assanovich**
- Devoted to communication networks with the clear focus on computer networks architecture, design, network standards and specific network elements.
- This chapter looks at some typical applications of computer networks and discusses the requirements that a network designer supporting such applications must be aware of.

Chapter 2: Control Theory

- **A. Zhiravetska**
- **N. Kunicina**
- Devoted to the classical approach of the Control Theory, technical examples and examples for calculations.

Chapter 3: Microcontrollers

- **Ilja Galkin**

- Embedded systems with microcontrollers, their configuration and properties. Architecture of MCUs, most popular MCUs presented on market

Chapter 4: Electrical engineering and automation

- **A.Ziravecka**
 - **I.Raņķis**
 - **N.Kunicina**
 - Riga Technical University
 - **E. Kyriakides**
 - University of Cyprus
-
- This chapter is devoted to the basics of electrical engineering and means of automation in electrical systems.
 - Parameters and characteristics of elements, Converters of voltage, current and frequency, Sensors, Microprocessor means of automation

Book on Functional Nanomaterials 2nd draft.

Book on Photonics 2nd draft

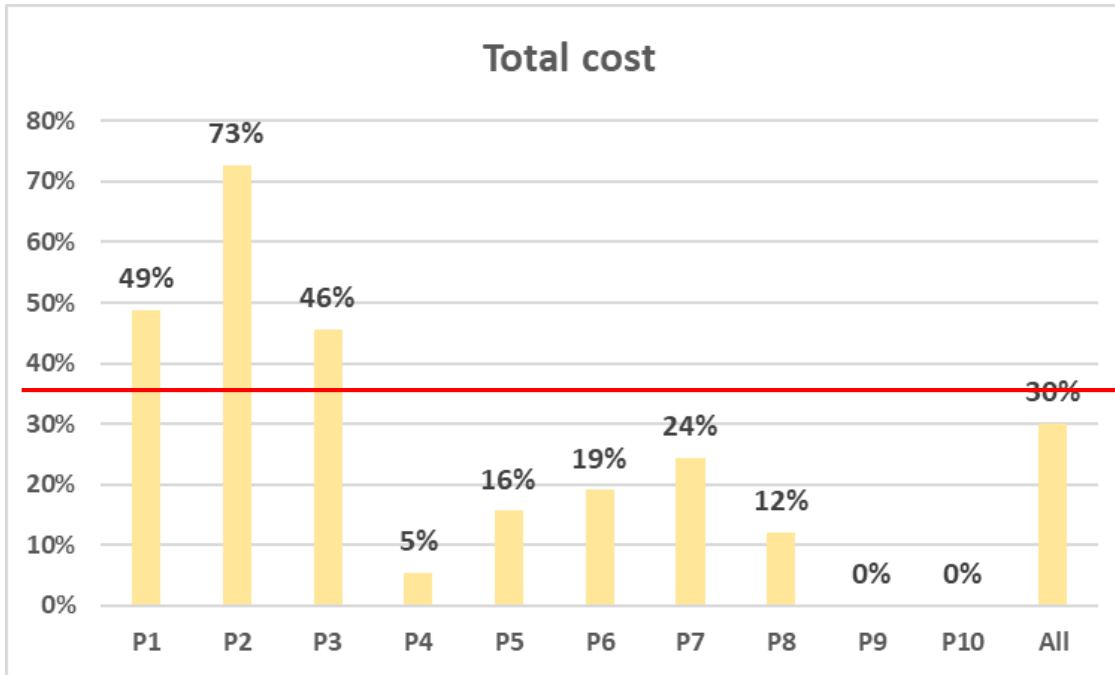
Book on Guidelines on Master Thesis in Applied Physics 2nd draft.

Dissemination and Exploitation of results (WP5)

Application of innovative teaching methods & electronic environments (WP3)

Management meeting

The **worst** scenario on the end of August



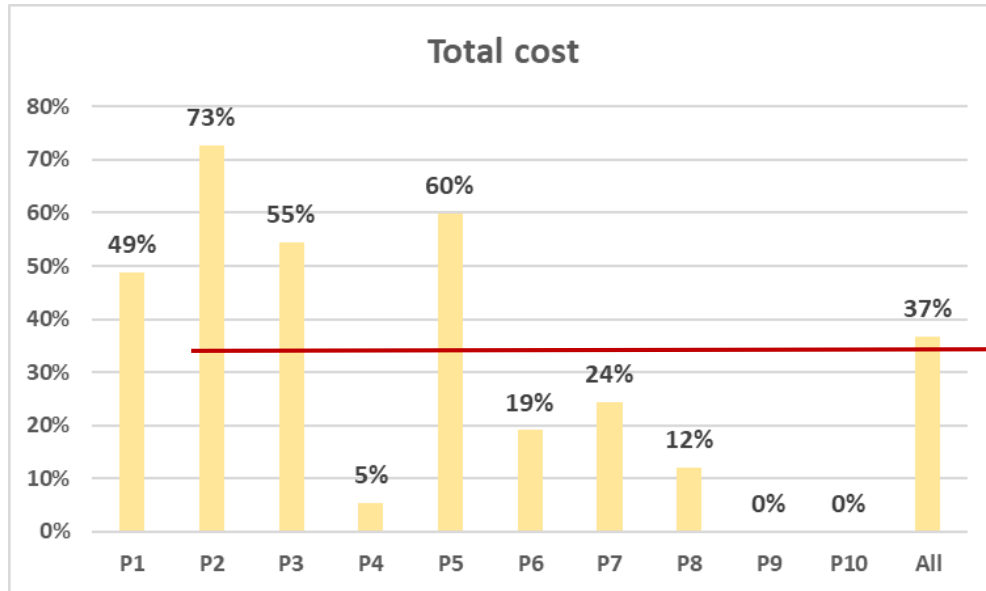
35% is the threshold for 2nd advance

The **worst** scenario

- Belarusian partners still do not pay salaries!
- 13 teachers trained in Ostend in June,
- Meeting in Nicosia at the end of June
- **Without purchase of equipment**
- EU partners are forced to use internal resources (“pre-financing”)
- Belarusian partners are forced to use internal resources (“pre-financing”)
- 1st advance used only 60%!

Optimal scenario on the end of June

plus 4 months: March - June



35% is the threshold for 2nd advance

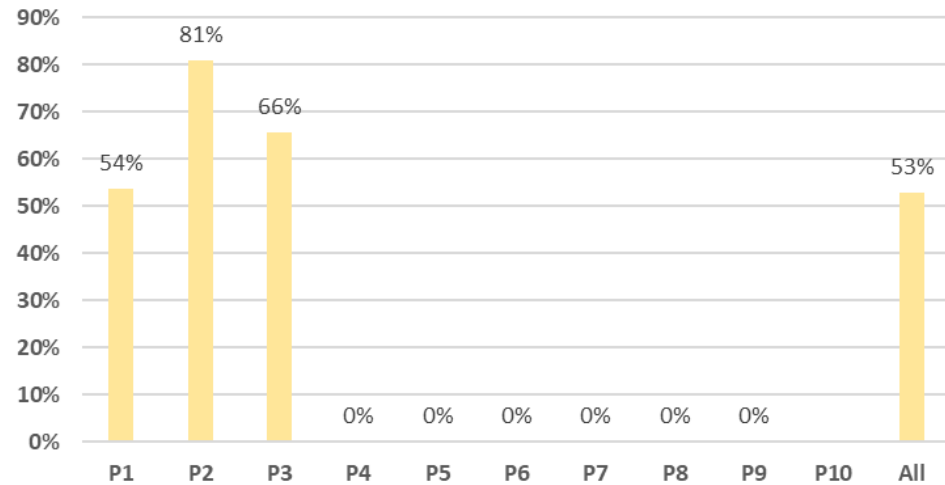
Optimal scenario

- Meeting in Nicosia at the end of June – cost is included in the reports
- GrSU signed **agreement with supplier**. EU payment 90%
- Techers training in June Ostend – 13 persons
- 1st advance used: **72%**
- *All partners financial reports are submitted by 15th July*
- *RTU submit consolidated report by 30th July.*
- *2nd advance will be available in August*
- Special regime: “**report in the evening**” – “**money in the next morning**” 😊

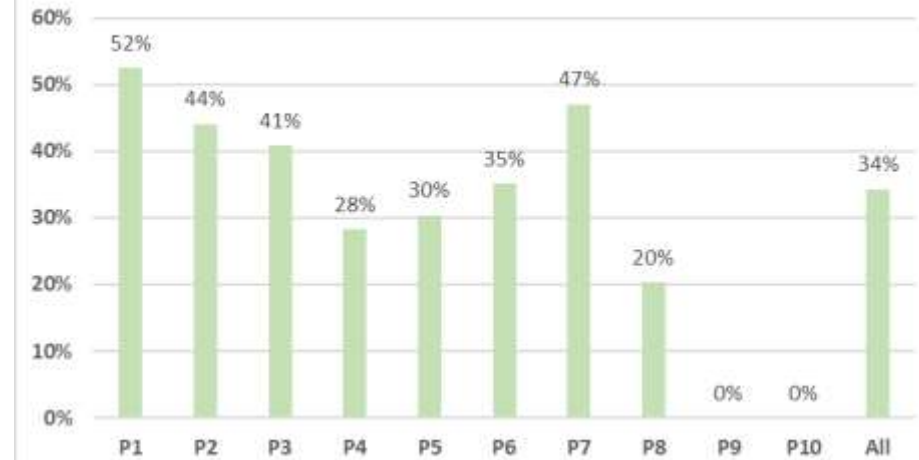
Optimal scenario on the end of June

plus 4 months: March - June

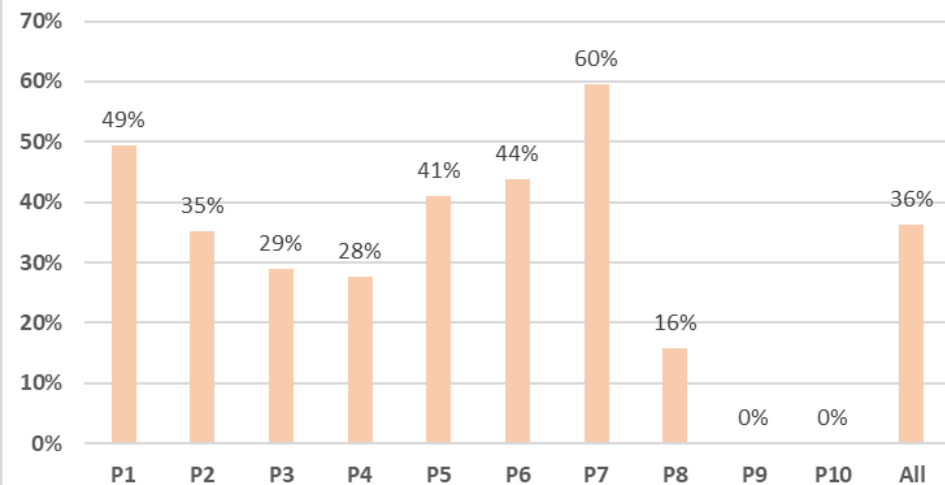
Staff cost



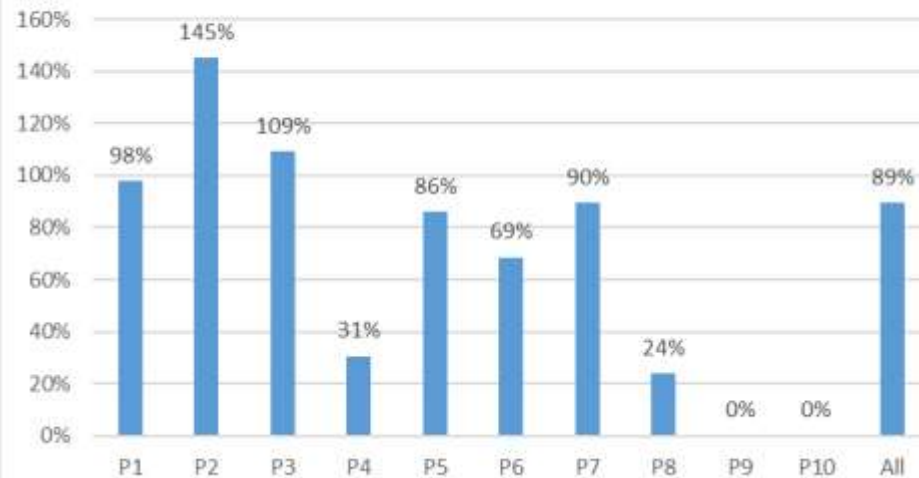
Travel cost



Cost of stay



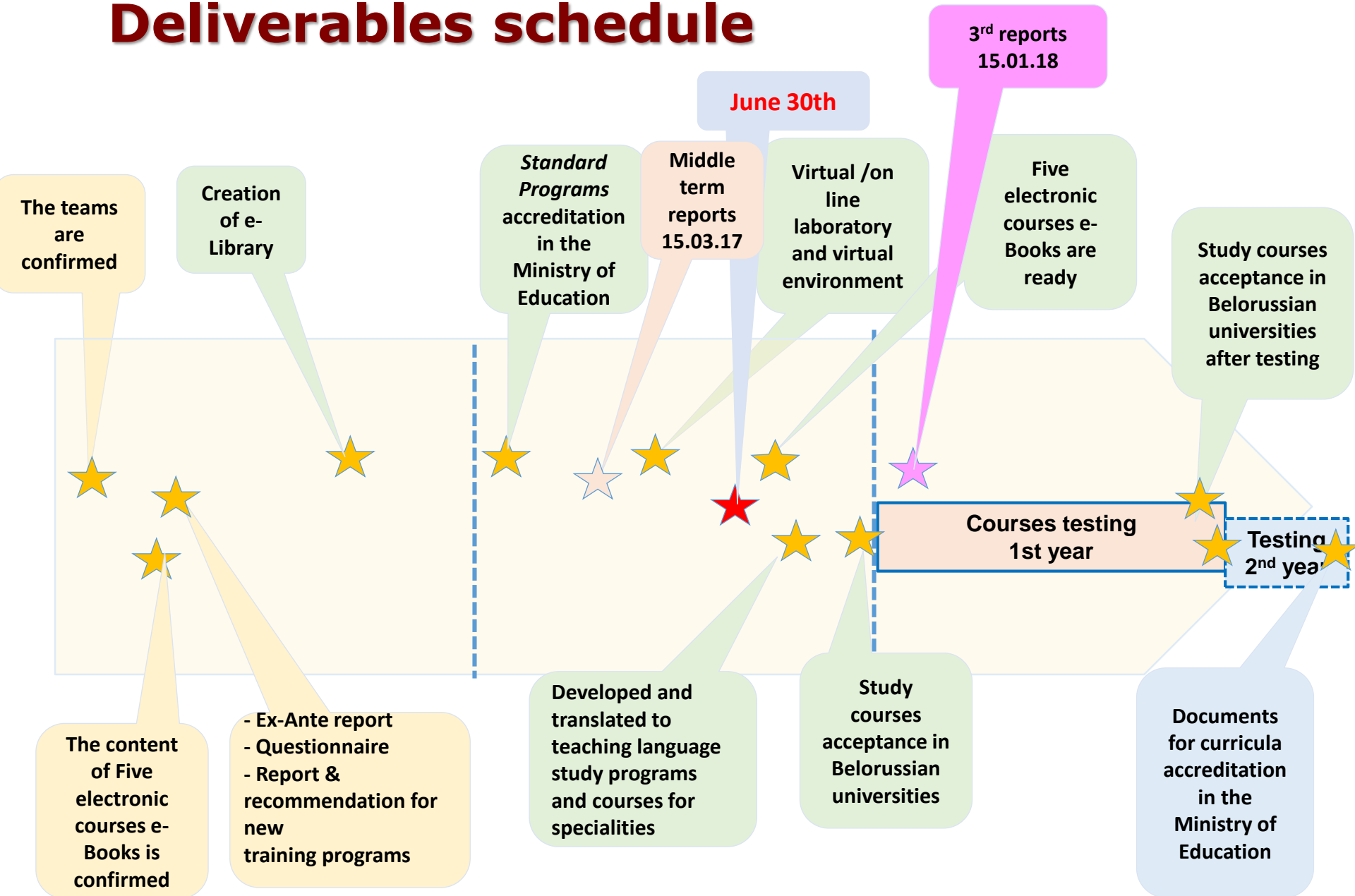
Use of advance (without equipment)



Tenders for the equipment

Further tasks and the next steps

Deliverables schedule



Meetings and trainings

Place	Responsible	Meeting topics and responsible for the topics	Date
Nicosia	UCY	WS5: Developed and translated to teaching language study programs and courses for specialities	29-30 th June 2017
	UCY	MC4 meetings	
Minsk	Ministry of Education	WP5: Information sessions with stakeholders	August –September 2017
Riga	RTU	Students training in RTU	September 24 – October 7 th 2017
Riga	RTU	WS6: Workshops for curricula development. <i>Courses acceptance and testing is started.</i>	November 30 ^h – 1st December 2017
		MC5 meeting	
Riga	RTU	Teachers training in RTU	February 2018 5th start
Nicosia	UCY	Students training in UCY	February 2018
Minsk	GoSU/ BSU	WS7: WP2: Workshops for curricula development and testing	April 12-13th 2018
	GoSU	MC6 meeting	
Minsk	BSTU	WS9: WP2: Workshops for curricula development. <i>First testing results, acceptance.</i>	3-4 July 2018
Nicosia	UCY	Final conference	September 2018 ₂₃

Students and teachers training in RTU and UCY

Further tasks and the next steps

- Courses e-books:
 - 2nd draft to be ready before the meeting in Nicosia (in June).
 - The books are ready – August 2017.
- Dissemination:
 - Press conferences: 1 in each Belarus university
 - Press releases
 - Web and E-environment – improvements
 - References to the project and its website!
 - Facebook, YouTube and LinkedIn
- Students training 2 weeks – 4-6th year of education including PhD students:
 - September 25th – October 6th 2017 - in Riga
- Teachers training
 - Teachers training in Riga – in February 2018
 - Students training in Nicosia - in February 2018?
- Accreditation:
 - *Утверждение Минобром учебных планов для специальностей «Функциональные наноматериалы» и «Фотоника»*
 - *Разработка и утверждение программ курсов*
- New curricular testing

Further tasks and the next steps

- **Reports**

- Report on developed courses teaching materials and study programs (*form will be developed by RTU*)
- Report on new curricular testing and accreditation (*form will be developed by RTU. Questionnaire.*)

- **How to obtain 2nd advance?**

- All partners Financial reports are submitted by **15th July** (*Excel, copies of supporting documents*)
- RTU submit consolidated report by **30th July.**
- 2nd advance will be available in **August**

Questions