

Physics

7th Management Meeting

WP5: Dissemination and Exploitation of Results

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Presentation Outline

- **WP5: Aims and Objectives**
- **Tasks**
- **Deliverables**
- **Discussion and suggestions**

❑ Dissemination & Exploitation

- Runs from **Month 1 to Month 36**
- Objectives:
 - ✓ Establish close collaboration between different academic institutions and Ministries of Education that can lead to a better understanding of the practical ways of transition from the existing system to the new 4 + 2 system
 - ✓ Promote smooth transition to the newly accredited system emerging from training programs that extends beyond the project
 - ✓ Presentation of project results, evaluation, and promotion

WP5 Tasks

5.1 Press conferences, press releases, leaflets, posters, TV and radio broadcasts, social media, project logo

5.2 Project website design and development (<http://physics.rtu.lv>)

5.3 Seminar for stakeholders in the Ministry of Education of Belarus

5.4 Information sessions

5.5 Final conference

5.6 Double-sided agreements

5.7 Preparation to 2nd year master program testing

5.8 Conference papers and presentations

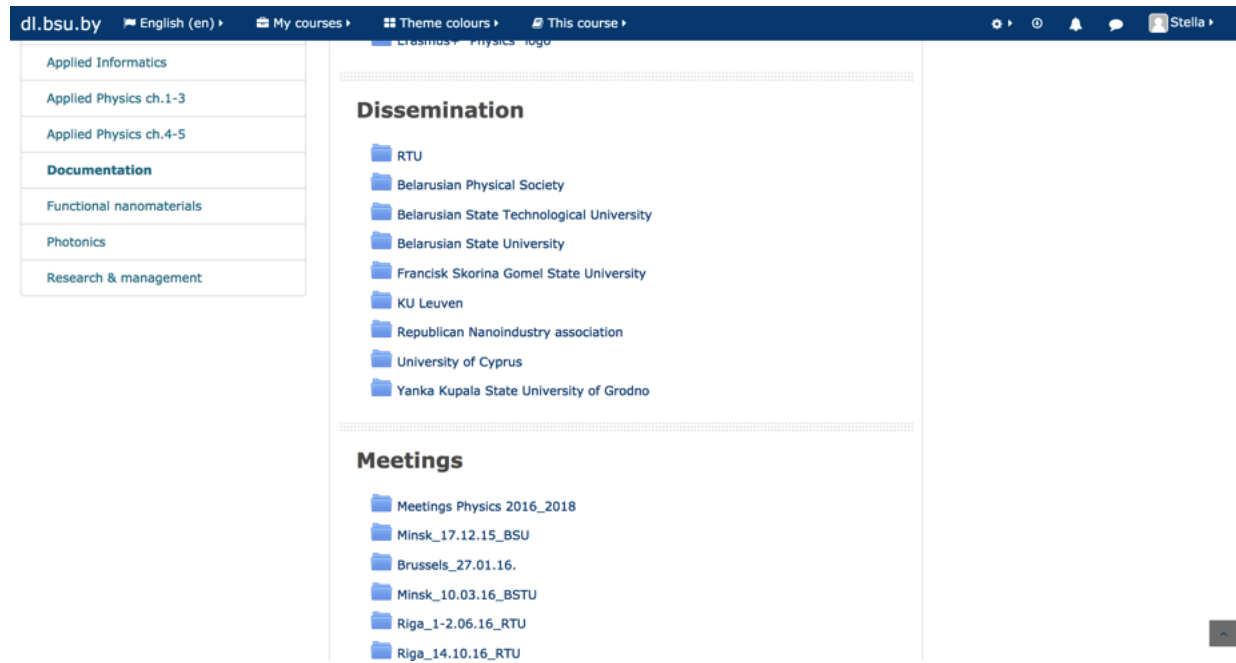
Dissemination and Exploitation Plan

- **Building awareness:** This is the first set of actions that should be undertaken in all dissemination efforts, in order to make sure the project objectives and expected outcomes are known to interested educational and industry stakeholders and to Belarusian society in general.
- **Building understanding:** Further to awareness, the next general objective is to create real understanding of what the project is aiming to achieve. Again, this category of actions addresses not only the primary group of stakeholders but also a broader group of interested stakeholders.
- **Achieving engagement:** The stakeholders of the project are expected to be involved in the whole process beyond understanding its objectives. This calls for actual engagement of interested stakeholders in both the education and industry sectors, either by participating in the reformation of Belarusian higher educational system according to the Bologna practices or by guiding consortium partners in identifying and meeting specific needs in the labour market in the field of functional nanomaterials and photonics.
- **Maximising impact and sustainability:** The ultimate objective of any project is to maximise the final impact to the academic faculty, students, and academic communities and the Belarusian society in general. Therefore, throughout the duration of the project, activities should focus more on ensuring this impact and achieving sustainability of the results.

- ❑ **D.5.1: Information and promotional materials**
- ❑ **Distribution of promotional materials including online advertising**

✓ **Month 36**

- **Press conferences (3) –Publications
(3 conference publications and 2 journal
publications) and press releases (18)**



All dissemination activities need to be uploaded in the Moodle

Deliverables

☐ Project Officer's feedback

- A dissemination plan has been submitted together with the progress report. We consider this plan as a good basis for improvement. The various dissemination activities are described, but a matrix should be added specifying which partner will perform which activity and by which date. Also, the dissemination plan should emphasise the strategy agreed by the consortium to engage the labour market in the process and overcome its reluctance towards the "4+2" Bologna-type degrees.

☐ The matrix for the dissemination activities has been devised

☐ However, we need some feedback on the strategy agreed to engage the labor market

Strategy Devised to Engage the Labor Market

- Consortium partners have undertaken the following strategies to involve the labor market:
 - Two sets of questionnaire were devised: a curriculum questionnaire and a questionnaire for the evaluation of courses and laboratory study programs.
 - Then a total of 9 experts which also members of the Belarusian consortium looked into their areas of specialization and then they were interviewed
- 1. The Belarusian Physical Society (BPO) [3 experts mainly the management of the BFO Presidium]
 - 2. Republican Association of Nanoindustry (RANI) [4 experts mainly the laboratories of the Institute of the National Academy of Sciences of Belarus and the heads of the departments/laboratories of Belarusian universities]
 - 3. Research Institute for Nuclear Problems of BSU (RI for NP of BSU) [2 experts from RI NP of BSU: Deputy Director and Leading Scientific Researcher]
 - 4. The Belarusian-Japanese private enterprise LOTIS-TII [1 expert of LOTIS-TII PE: leading engineer for production of high-tech products].

Preliminary Conclusions of the Questionnaires:

1. 100% of the survey participants approve of the need for the transition of higher education in Belarus to the Bologna 4 + 2 system, which is confirmed by the statistics of answers to questions and explanatory notes to some questions (see tables).
2. 100% of the survey participants approve the need for the introduction of training programs in the specialties "Functional nanomaterials", "Photonics", "Nanomaterials and nanotechnologies".
3. Approximately 90% of the experts interviewed have confirmed the importance of the introduced courses and laboratory works, although the programs themselves have certain comments that will be used to correct (tune) them.

Curricula Approved by the Ministry of Education of the Republic of Belarus

Master's degree program 81 03 Functional nanomaterials_2 years

Master's degree program Physics of Nanomaterials and Nanotechnologies_1 year

Master's degree program 81 02 Photonics_2 of the year 2017

Master's degree program 1-31_81_02 Photonics_1 year 2012

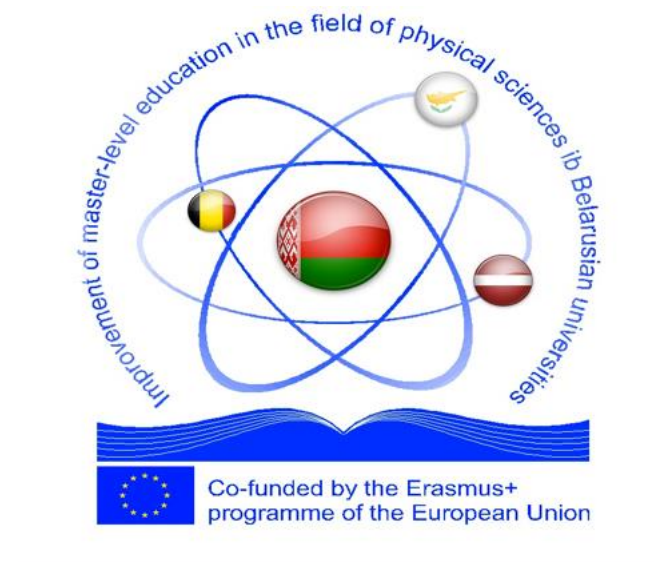
Item	Activity	Responsibility	Due Date	Status
M01 (WP5.1)	Press Conferences	University of Cyprus All Consortium Partners (RTU, KU Leuven, UKSUG, GSU, BSTU, BPS, RANI, MERB)	14.10.2018	✓
M01 (WP5.1)	Press Releases	University of Cyprus All Consortium Partners (RTU, KU Leuven, UKSUG, GSU, BSTU, BPS, RANI, MERB)	14.10.2018	✓
M01 (WP5.1)	Leaflets (Provided at Belarusian Universities such as Belarusian State University, Belarusian State Technical University, Francisk Skorina and Yanka Kupala Grodno State University)	Belarusian State University (BSU) Riga Technical University (RTU)	14.10.2018	✓
M01 (WP5.1)	Posters (Provided at 4 Belarusian Universities: Belarusian State University, Belarusian State Technical University, Francisk Skorina and Yanka Kupala Grodno State University)	Belarusian State University (BSU) Riga Technical University (RTU)	14.10.2018	✓
M01 (WP5.1)	TV and Radio Interviews	All Partners (Yanka Kupala State University of Grodno – 4 TV and Interviews)	14.10.2018	✓
M01(WP5.1)	Social Media	University of Cyprus (All Partners)	14.10.2018	✓
M01 (WP5.1)	Project Logo	Belarusian State University (BSU)	14.10.2018	✓
M01 (WP5.2)	Project Website	Belarusian State University (BSU)	14.10.2018	✓
M01 (WP5.3)	Seminar for Stakeholders in the Ministry of Education of Belarus			✓
M01 (WP5.4)	Information Sessions			✓
M01 (WP5.5)	Final Conference	Belarusian State University (BSU)	12.09.2018	✓
M01 (WP5.5)	Double-sided Agreements			✓
M01 (WP5.6)	Preparation of 2 nd year master			✓
M01 (WP5.7)	Conference Papers and Presentations	All Consortium Partners (RTU, KU Leuven, UCY, UKSUG, GSU, BSTU, BPS, RANI, MERB)	14.10.2018	✓

5.1 Press conferences, press releases, leaflets, posters, TV and radio broadcasts, social media, project logo

- Leaflets (RTU) (When were the leaflets provided at the four Belarusian Universities?)
- Posters (4 in Belarussian Universities)
- TV and radio broadcasts (4) – Four already delivered by Dr. Natalia Strekal (Yanka Kupala State University of Grodno)
- Social media (all partners – (LinkedIn & Facebook Groups)
- Project logo



Project posters



Project logo

5.2 Project Website

Deliverables

From July 25, 2016 when the website was launched to Oct. 14, 2016, we had a total of 35 sessions, 23 users, and 90 pageviews. Twenty sessions (57.1%) involved new visitors and 15 sessions (42.9%) involved returning visitors. The average number of pages viewed during a session were 2.57. During our second year of the project, Oct. 15, 2016 to Oct. 14, 2017 the number of pageviews had significantly increased in comparison the first year of the project reaching 1,569. The total number of sessions was 631 and the bounce rate was 2.49. The percentage of new visitors was 51.3% and the percentage of returning visitors was 48.7%. In the third year of the project, Oct. 15, 2017 to April 9, 2018, the

		Metric	Year 1	Year 2	Year 3
A. Monitoring Web Presence on the Project's Website	Total Sessions		35	631	274
	Unique Visitors				
	Pageviews		90	1,569	917
	Page/Visits (Average no. of pages viewed during a visit to our website)		2.57	2.49	3.35
	Bounce Rate (Percentage of Single Page Visits)		54.29%	34.71%	42.34%
	Percentage of New Visits		57.1%	51.3%	17.8%
	Percentage of Returning Visitors		42.9%	48.7%	82.2%
	Average Visit Duration		00:01:34	00:03:13	00:03:13

Search reports and help

HOME

CUSTOMIZATION

Reports

REAL-TIME

AUDIENCE

Overview

Active Users

Lifetime Value BETA

Cohort Analysis BETA

Audiences NEW

User Explorer

Demographics

Interests

Geo

Behavior

Technology

Mobile

Custom

DISCOVER

ADMIN

Audience Overview

SAVE EXPORT SHARE INTELLIGENCE

Oct 15, 2017 - Apr 9, 2018

All Users
100.00% Users

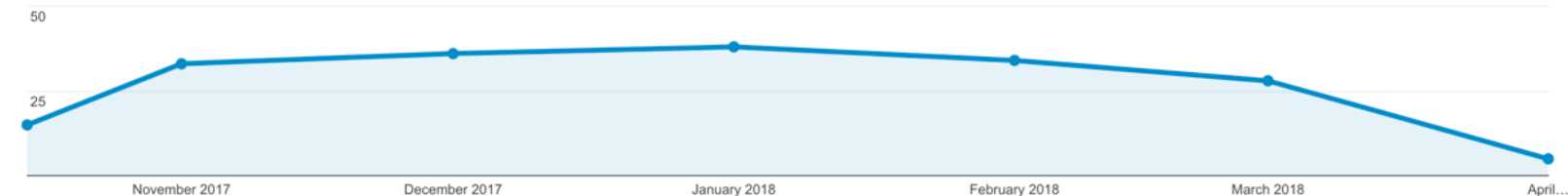
+ Add Segment

Overview

Users vs. Select a metric

Hourly Day Week Month

Users



Users

156

New Users

148

Sessions

274

Number of Sessions per User

1.76

Pageviews

917

Pages / Session

3.35

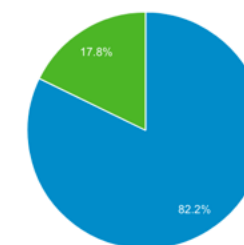
Avg. Session Duration

00:03:13

Bounce Rate

42.34%

New Visitor Returning Visitor



Demographics

Language

Country

City

System

Language

1. en-us

2. ru

3. ru-ru

4. lv

Users % Users

45 28.66%

38 24.20%

21 13.38%

9 5.73%

TOTAL NUMBER OF STUDENT AND INSTRUCTOR TRAINING SESSIONS OFFERED BY PHYSICS' PARTNERS

Four training sessions were successfully organized and offered during the Physics project. The first student training session was held at Technology Campus in Ostend between February 2, 2017 and February 11, 2017 where 14 students from Belarusian State University, Gomel State University, Belarusian State Technical University, Francisk Skorina Gomel State University, and Grodno State University received training in applied physics at Technology Campus Ostend at KU Leuven. Four instructors were involved in delivering these courses.

A specially tailored English course entitled, "English language course for teachers" was provided at KU Leuven where a highly experienced English instructor introduced a total of 13 Belarusian instructors to key technical terminology in English.

The third student mobility and training session was held at Riga Technical University where 21? students and 6?faculty were involved.

The fourth student training session was held between 5 and 16 of February, 2018 at the University of Cyprus in Nicosia between 5 and 16 of February, 2018. 14 students from Belarusian State University, Gomel State University, Belarusian State Technical University, Francisk Skorina Gomel State University, and Grodno State University received training in power systems, renewable energy systems, power system analysis, simulation software for power transmission systems, introduction to MATLAB, artificial molecular devices and many other-related courses. 3 faculty members from Belarus State University, Grodno State University, and Belarusian State University also participated in this process. 6 researchers and one faculty member from the University of Cyprus also participated in delivering these courses.

		Metric	Year 2	Year 3	Total
A.	Student Training in Applied Physics Technology Campus Ostend KU Leuven (6/2/2017- 11/2/2017)	Number of Students Enrolled in these Courses	14		
		Number of Physics Partners Involved in Delivering these Newly Devised Courses	4		
A.	English Language for Lecture Purposes Ostend KU Leuven (June 9, 2017 – June 13, 2017)	Number of Physics Partners Involved in Delivering these Newly Devised Courses	1		
		Number of Instructors Involved in Devising and Delivering these New Language Lectures	13?		
A.	Student's Mobility and Technical Training in Riga Technical University, (September 24 – October 7, 2017)	Number of Students Enrolled in these Courses	21?		
		Number of Physics Partners Involved in Delivering these Newly Devised Courses	6?		
D.	Student Training in Nicosia University of Cyprus (February, 2018)	Number of Students Enrolled in these Courses		14	
		Number of Physics Partners Involved in Delivering these Newly Devised Courses		4	

Facebook (54 members: the number is still very low)

Deliverables

Physics (Improvement of master-level education in physical sciences)
Public Group

AboutDiscussionMembersEventsPhotosFilesGroup InsightsManage Group

Search this group

Shortcuts
REDESIGN - ERASMUS...
Physics (Improvement ...

Belarusian university

Improvement of master-level education in physical sciences

Belarusian university

Joined ▾ Notifications Share ... More

Write PostAdd Photo/VideoLive VideoMore

Write something...

Photo/VideoPollFeeling/Activ...More

RECENT ACTIVITY ▾

Natalia Strekal

April 9 at 9:09am

Health and happiness dear colleagues!

O' death, where is your STING?

ADD MEMBERS

Enter name or email address...

MEMBERS

54 Members

SUGGESTED MEMBERS

Friends

Hanh GiannettaAdd Member

Ioannis IoannidesAdd Member

Kay PapandreouAdd Member

See More

INVITED

See More

elias@...Send Reminder

gachko@...Send Reminder

DESCRIPTION

Edit

The project is the first one in Belarus that addresses a transit... See More

TAGS

Add Tags

Add a few descriptive keywords.

LOCATIONS

CONTACT PAGES

SEE ALL

CONTACTS

Klaus Hammermueller

Argyro Kotsikona2h

Gul Hassan8h

Olga Rogova

Modestos Had

Kay Papandreou5m

Paula Canali- Gian...11m

Christian Faltis9m

Eleni Constantinou2h

Andreja Vidovic11m

Mk Thrasioulou18m

Vicky A1m

Stefani Kyriakide1h

Maria Charalambous5h



Marios Ioannides3h

GROUP CONVERSATIONS

Ellysia, Constantinos, Sta...


Transferring data from static.xx.fbcdn.net...

LinkedIn Group (It is regularly updated; however, membership is still low – 17 members only)

Back to LinkedIn.com

My GroupsDiscover


Search



Physics (Improvement of master-level education in physical sciences in Belarusian universities)

17 members


[Manage](#)



Start a conversation with your group

Enter a conversation title...

[Conversations](#)Jobs




Stella Hadjistassou · Group Owner
Acting Director, Language Center, University of Cyprus

1w

Our Management Meeting and Workshop on Curricula Development!!









Our next Management meeting and Workshop on curricula development will be held at Belarusian State University between April 12 and 13, 2018.



ABOUT THIS GROUP


«Physics» aims to reform applied physics disciplines nanotechnology, nanomaterials and photonics training programs to promote the emergence of innovation and economic growth in Belarus. Academic institutions and industrial partners' cooperation will ... [Show more](#)

MEMBERS17 members



Invite others

Promoted



21CCLC Data Management
Increase the efficiency of after school program and 21APR

Accreditation Received: it needs translation to English


 УТВЕРЖДАЮ
 Первый заместитель Министра образования
 Республики Беларусь
 В.А. Богущ
 2017 г.
 Рег. № 6 31-2-044 /мн.

ТИПОВОЙ УЧЕБНЫЙ ПЛАН
 по специальности высшего образования второй ступени (магистратуры)
 Специальность: 1-31 81 03 Функциональные наноматериалы
 Степень: магистр физики
 Срок обучения – 2 года

I. График образовательного процесса

Номера недель	Месяцы (ориентировочно)	Виды деятельности, установленные учебным планом	Примерный объем учебной работы		
			Всего часов	Аудиторных часов	Самостоятельной работы
01-18	Сентябрь-декабрь (18)	Теоретическое обучение и научно-исследовательская работа	972	324	648
19-21	Январь (3)	Экзаменационная сессия	162		162
22-23	Январь-февраль (2)	Каникулы			
24-40	Февраль-июнь (17)	Теоретическое обучение и научно-исследовательская работа	918	306	612
41-44	Июнь (4)	Экзаменационная сессия	216		216
45-52	Июль-август (8)	Каникулы			
53-70	Сентябрь-декабрь (18)	Теоретическое обучение и научно-исследовательская работа	972	324	648
71-73	Январь (3)	Экзаменационная сессия	162		162
74-75	Январь-февраль (2)	Каникулы			
76-82	Февраль-март (7)	Теоретическое обучение и научно-исследовательская работа	378	126	252
83-84	Март-апрель (2)	Экзаменационная сессия	108		108
85-90	Апрель-май (6)	Практика	324		324
91-96	Май –июнь (6)	Итоговая аттестация	324		324
Итого			4536	1080	3456

WP5 Tasks

- **Report on Progress on the following:**
 - Accreditation received (in Russian)
 - Seminar for Stakeholders in the Ministry of Education of Belarus (WP 5.3)
 - Information Sessions (WP 5.4)
 - Press conferences – **please update dissemination activities in Moodle**
 - Publications (3 conference publications and 2 journal publications) and press releases (18) –**please update dissemination activities**
 - Leaflets (RTU) - Realized
 - TV and radio broadcasts (4) – Professor Natalia Strekal; Realized
 - Social media (Please join the FB and LinkedIn group and invite colleagues and students to join)

Action items/remarks

- Apart from the questionnaires, were there other steps taken to engage the labor market?;
- Please provide the information on accreditation received in English;
- Seminar for Stakeholders in the Ministry of Education of Belarus (WP 5.3)
- Information Sessions (WP 5.4);
- Clarify the number of students and faculty who benefited from the training sessions (it's not always clear from the sign-up sheets);
- Update dissemination activities in the Moodle – not in the dropbox;
- There was some progress in the traffic generated to the project website; however, the website needs to be promoted further after presentations, events, etc. in order to generate even more traffic;
- Traffic and membership in our FB group and LinkedIn group is relatively low; The FB page is open to the public now.
- Each partner needs to update their dissemination activities, so that I can devise the indicated matrix to assess our progress so far;

Thanks for your attention

Questions & Discussion