

Project: FOTONIKA-LV

Unlocking and Boosting Research Potential for Photonics in Latvia – Towards Effective Integration in the European Research Area

Grant agreement no: 285912

Annual summaries of conclusions of Management Board and Scientific Steering Committee

WP6 - Policy Development, Management and Quality Assessment

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Version 0.2 – Draft of the Deliverable

Version 1.0 final release

Release Approval

Name	Role	Date
Sandra Smalina	WP Leader	
Arnolds Ubelis	Project Manager	

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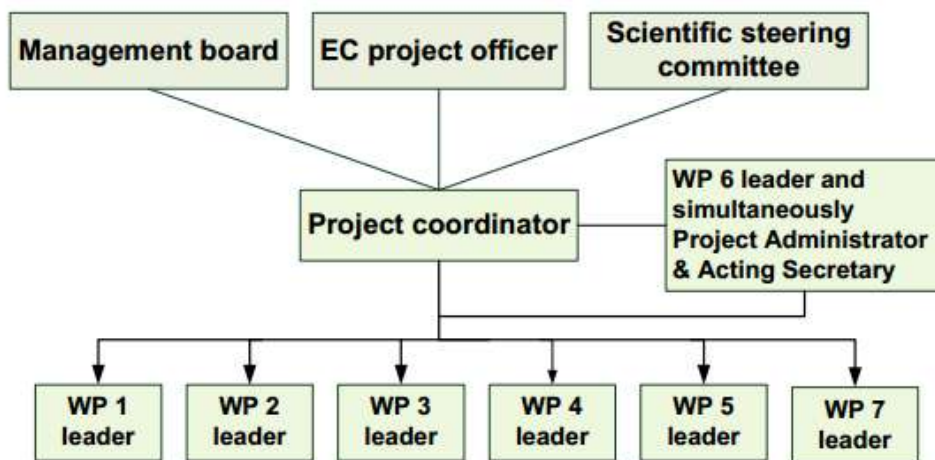
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Introduction

In accordance with projects work plan the following objectives was set for management work package – WP6:

1. To contribute to the strategy and policy development in the field of photonics at national and Baltic regional scale in order to support relevant resource effective high added value industry development and accordingly to facilitate intellectual investment in sustainable development of the regional (3 strategy planning workshops including technology foresight exercises for national and regional scale developments in photonics fields and 1 large scale conference for Sustainable development).
2. To contribute to the effective integration of Latvian and Baltic RTD units in the structures and activities of ETP Photonics 21.
3. To facilitate progress towards membership of Latvia in the European Space Agency.
4. To ensure effective management of the project by: ensuring conditions for optimal performance of all tasks specified in WP1-WP5; ensuring continuous monitoring and coordination of the project's progress; ensuring risk assessment and management, including measures for risk containment; supporting all WP teams and their leaders to ensure high quality of project activities.
5. To ensure quality assessment by following: Initiating, managing and supervising internal quality control instruments planned in the WP which are traditionally effective methods in the competitive academic community –including regular seminars, workshops and conferences, international progress reports, keeping of minutes and reports, and ensuring public availability through the WEB portal and the Access Centre (see WP5); Research Potential FP7-REGPOT-2011-1 FOTONIKA – LV.
6. Making presence in project Management Board and Scientific Steering Committee meetings possible to all FOTONIKA–LV community; Stimulating presence and presentations of repatriated, recruited and seconded researchers in project Management Board and Scientific Steering Committee meetings.

To ensure project management and sound project implementation, the following management logistics was used.



Each work package WP has its own leader, to ensure implementation of tasks set in Work packages. Project coordinator was responsible for set up tasks for WP leaders.

Management group meetings were organized regularly, almost each week. Directors of the institutes and laboratory leaders were appointed as Management Board members, and therefore were part of management group. They were regularly invited to participate in Management group meetings. Minutes of the meetings were documented starting from July 2013. .

Scientific Steering committee was established from the start of the project. There were seven *in situ* SSC meetings held during the project in combinations with virtual participation and circular information packages via e-mail. Unfortunately, overload of the SSC members as well as the Coordinator resulted in not fully use of the capacity of SSC. The conferences raised by the project and secondment visits were used like overlapping events to ensure presence of SSC members. Members of SSC were also communicated individually sometimes for specific advice.

Planned number of strategy planning and technology foresight workshops were organized and references to the agendas are in the list of dissemination activities are added. Among others specifically the meeting of Subcommittee for Innovations and Science the Parliament (Saeima) was held on February 19, 2015 in the premises of Riga Photonics centre to get awareness and to discuss the problems of the implementation of the Project.

In December 20, 2013 project progress meeting-seminar (from 9.30-17.30) with EC representative Grzegorz AMBROZIEWICZ was organized.

1) The project team worked hard to reach the goals of the objective nr 1 for the WP 6, to contribute to the strategy and policy development in the field of photonics at national and Baltic regional scale in order to support relevant resource effective high added value industry development. Accordingly to facilitate intellectual investment in sustainable development of the region (3 strategy planning workshops including technology foresight exercises for national and regional scale developments in photonics fields and 1 large scale conference for Sustainable development were organized, see reporting from another WPs).

Substantial success and contribution to the regional development was the 3rd International Conference on Integrative Approaches towards sustainability “Sustainable development, knowledge society and smart future manufacturing technologies” KNOWLEDGE in June 27-30, 2012, Jūrmala, Latvia.

The book: W. Leal Filho, Arnolds Ubelis, Dina Berzina. (eds.), Sustainable Development, Knowledge Society and Smart Future Manufacturing Technologies, World Sustainability Series, 2015 is substantial contribution to the dispute towards progress of sustainable development in the context of knowledge society .

Planned number of strategy planning and technology foresight workshops were organized and references to the agendas are in the list of dissemination activities in the Participant Portal.. Among others specifically the meeting of Subcommittee for Innovations and Science of the Parliament (Saeima) was held on February 19, 2015 in the premises of Riga Photonics centre to get awareness and to discuss the problems of the implementation of the Project.

Starting from summer 2013, FOTONIKA-LV community pushed forward bottom up initiative proposing “Photonics, quantum sciences, space sciences and related technologies” as a highest grade regional smart specialization in Latvia and on pan-Baltic regional level. As a result of analytics strategy planning activities the following letter and ANNEX to it on 15 pages were passed to Prime Minister of Latvia and her counterparts in Lithuania and Estonia:

To:

Laimdota Straujuma, Prime Minister, Latvia

CC:

Andrejs Šiliņš, Chair, Latvian Council of Science;

Ojārs Spāritis, President, Latvian Academy of Sciences;

Dana Ozola-Reizniece, Saeima Committee on Education, Science and Culture.

REF:

- Taavi Rõivas, Prime Minister, Estonia;
- Algirdas Butkevičius, Prime Minister, Lithuania;
- Robert-Jan Smits, Director-General, the Directorate-General for Research and Innovation;
- Walter Daffa, Director General, the Directorate General (DG) for Regional and Urban Policy;
- Carlos Lee, Director General, EPIC - European Photonics Industry Consortium.

Subject: RIS3 – Photonics, Quantum Sciences, Space Sciences and Related Technologies
National Smart Specialization for Latvia with evident pan-Baltic context

Riga, October 5,

Dear Prime Minister:

Having a deep concern about future long-term sustainability of the economy and the welfare of the society in Latvia and relying on our corporate responsibility we are committed to searching for new opportunities for the development of Photonics, Quantum Sciences, Space Sciences and Related Technologies based on the concept of National Research and Innovation Strategies for Smart Specialisation (*RIS3*). This concept, currently being developed in EU as a key instrument to implement the Europe 2020 – the EU's growth strategy for the coming decade, will enable the EU and Latvia as a Member state to develop a smart, sustainable and inclusive economy in a changing world.

Your urgent attention and action is requested to address the issue of national RIS3 strategies and to support our bottom-up initiative to include the domain entitled "**Photonics, Quantum Sciences, Space Sciences and Related Technologies**" as a top tier priority in the list of national smart specializations in Latvia (and ultimately in the Baltics). This is warranted by the presence of a "high-tech" industry (*SMEs community with up to 15% annual turnover growth*) that is competitive in the field in world market, as well as on-going basic science and applied research achievements that are recognized worldwide – essential elements to provide a stairway to excellence for the National RIS3 (see *Informative report in Annex to this letter*).

Through a step by step bottom-up and entrepreneurial discovery approach since 2012, we have built the case, that Research and Technological Development (*RTD*) combined with innovation in the domain of photonics as applied to quantum sciences, space sciences and related technologies has the relevant capacity and prospect of growth to be accepted as **a top tier national smart specialization**. Photonics has been declared as one of six Key Enabling Technologies of the European Union¹. Photonics is the science and technology related to

¹ Brussels, 26.6.2012, COM(2012) 341 final 'A European strategy for Key Enabling Technologies – A bridge to growth and jobs' Feasibility study for an EU Monitoring Mechanism on Key Enabling Technologies, Final report on KETS preparation 2012

the control of **photons** - elementary particles, the quanta of light. Photonics encompasses several fields of science and technology in which Latvia has excelled, in particular in basic and applied research including quantum sciences, lasers, fiber optics, space sciences and related technologies.

Here are just a few of the outstanding examples: The first ERC grant was awarded to professor Andris Ambainis in 2013² in the area of quantum computing. Dr. Janis Alnis, who has already excelled as a former M-C fellow working for years in the group of Nobel prize winner Prof. Theodor Hansch at the Max-Planck Institute of Quantum Optics³. He was repatriated back to Latvia via human resource development plans and repatriation programme of *FP7-REGPOT-2011-1, FOTONIKA-LV, reg. Nr. 285912 project*⁴ to continue to develop advanced quantum and laser technologies for applications in diverse fields from applications in space technologies, to advancements in communications and metrology down to the manipulation of single atoms on the nanometer scale. In total Latvia participated in the implementation of 8-12 FP7 projects which has significantly boosted the dynamic growth of research capacity of the Latvian research community in the domain during the last 7 years.

This has already been known within researcher community for years, as we have collected convincing facts about the excellent and promising capacities in Lithuania and Estonia, suggesting the basis for a pan-Baltic States smart specialization in the same domain. It is imperative for us to come together urgently and to discuss the issue on various levels, starting from a researchers' forum and ending with decisions of the Baltic Council *at the Ministerial level*. It is urgently important now for the Baltic Council to add research and innovation in Photonics to its priorities in order to take the greatest advantage of the opportunities being offered to our countries through Horizon 2020 and to use Structural funds effectively targeted towards prosperity in the economy. Top level leadership is called for to effect this necessary change.

There are evident reasons why Latvia needs to take an urgent, smart and well targeted decision based on domains of excellence to escape from the current crisis and to avoid future ones which are predicted by some experts⁵:

- Latvia has not consistently chosen its priorities and may be late with the implementation of its National RIS3⁶
- There is statistically compelling documentation that Latvia seriously lags years in the ranking among EU Member states in regional competitiveness as well innovation indices (*in most cases assuming the last position among Member States*^{7, 8});

² MQC, 320731, Contr. nr.ERC-AG-PE6, 01.05.2013 – 30.04. 2018. Methods for Quantum Computing. Prof. Dr.A.Ambainis. University of Latvia.

³ Laser Spectroscopy & and Quantum Physics: <http://www.mpg.de/~haensch/>

⁴ FP7-REGPOT-2011-1. FOTONIKA-LV, reg. Nr. 285912, *Unlocking and Boosting Research Potential for Photonics in Latvia – Towards Effective Integration in the European Research Area.*

⁵ *Latvia. Innovation System Review and Research Assessment Exercise: Final Report, TECHNOLIS, April 20, 2014, Citation p.41* *Lac of human capital means not only that the country has difficulties in exploiting its own knowledge production but also, crucially, that it is hard to exploit the more than 99% of new knowledge that is generated abroad. Without these capabilities, the country will enter a declining spiral that infects the performance of the economy as a whole.*

⁶ *An Action Plan of final drafting, implementation and monitoring of national RIS3 strategy till December 31, 2014 was reported by the Ministry of Education and Science to the President of Ministers on April 14, 2014*

⁷ Paola Annoni, Lewis Dijkstra *EU Regional Competitiveness Index - RCI 2013: DG JRC&DG REGIO* In summary: *The 2013 RCI innovation index for Latvia stands at -0.716, placing the country in 237th place among 271 EU regions (decreasing by 18 places regional ranking since 2010) and in 25th place among the EU member states., An RCI of technological readiness of -1.10 places Latv 231st in the regional ranking and 23rd in the member state ranking. RCI for labour market efficiency (-0.76) ranks Latvia as 218 among the regions. All indicators show a decrease since 2010 in contrast to the impressive GDP growth in this period. According to EUROSTAT and the 2013 Innovation Union progress report, the percentage of the national workforce employed in high and medium high-tech*

- Explanations of non favorable facts about Latvian RTD and Innovation system as documented by EUROSTAT are provided by the panels of TECHNOPOLIS in their report "Latvia. Innovation System Review and Research Assessment Exercise, 2014." The report criticizes the inconsistency of the National RTD and Innovation policy for being not aligned with the general EU RTD strategy and policies⁹ and provides serious warnings on potential spiraling down of the economy if nothing is changed, see ref.5 above.

Signatures:

RIGA

Association FOTONIKA-LV at the University of Latvia

Dr. Arnolds Ūbelis, Scientific Secretary

Mr. Vidvuds Beldavs, Strategist

MSc. Inga Širante, Director of the **Institute of Atomic Physics and Spectroscopy**

Dr. Janis Alnis

Dr. Miķelis Svilans

PhD. cand. Ilja Feschenko

Dr. Roman Viter

Dr. Aigars Atvars

Dr. Janis Kļaviņš

Dr. Ilgmārs Eglītis, director of the **Institute of Astronomy**

Dr. Amara Graps

Dr. Jorge Del Pino,

PhD. cand. Kalvis Salmiņš

Dr. Gunārs Silabriedis, director of the **Institute of Geodesy and Geoinformatics**

manufacturing was only 3% in year 2008 and decreased to 2.5% in year 2012. The contribution of high-tech & medium tech to the balance of trade decreased by 5.42% in 2011. Excellence in S&T has a negative (-0.15) growth rate over the period 2005 to 2010.

⁸ Innovation Union Scoreboard 2014, see database.

⁹ Latvia. Innovation System Review and Research Assessment Exercise: Final Report, TECHNOPOLIS, April 20, 2014, See page 33, chapter 6.1.7.... The difficult financial climate, short-term planning within the state, insufficient administrative capacity and the low political priority of innovation and research and a heavily bureaucratic tradition all make it hard to implement research and innovation policy in Latvia. ...

Citation page 34 ... But the most powerful reason behind these issues of implementation seems to be a lack of political commitment to the idea that research and innovation are important drivers of development and growth.

The second objective of WP 6 concerned the effective integration of Latvian and Baltic RTD units in the structures and activities of ETP Photonics 21. The community of FOTONIKA-LV facilitated awareness on ETP Photonics 21 being a light house for Framework for cross ETP NANO futures Coordination Activity and via participation in ETP Photonics 21 meetings.

The third objective of WP 6 targeted to promote membership of Latvia in the European Space Agency. Activities of researchers from FOTONIKA-LV space community contributed substantially to the national debate on the Space strategy as well in efforts to convince national decision makers to pay the first stage participation fee to ESA to finalize membership formalities.

The fourth Objective of WP 6 was set to ensure effective management of the project by: ensuring conditions for optimal performance of all tasks specified in WP1-WP5; ensuring continuous monitoring and coordination of the project's progress; ensuring risk assessment and management, including measures for risk containment; supporting all WP teams and their leaders to ensure high quality of project activities.

The management team made it's best to ensure favorable environment of the implementation of the project for the whole FOTONIKA-LV community resulting in best available productivity of the researchers and research groups and solidarity to the mission of the project via frequent voluntary efforts needed due to miserable financial support, weak recognition from state authorities, and not sufficient support from the University administration facing sharp shortage of institutional funding ensured by State authorities. The extremely difficult research environment in Latvia was highlighted by independent peer review evaluation of Latvian science by TECHNOLIS expert's report of Latvian research and innovation policy in 2014¹, citation from page 37:

The difficult financial climate, short-term planning within the state, insufficient administrative capacity and the low political priority of innovation and research and a heavily bureaucratic tradition all make it hard to implement research and innovation policy in Latvia.

Page 38 of the same report explains why the success of excellent national research structures has been neglected by the state and by the University decision makers and administration²:

... But the most powerful reason behind these issues of implementation seems to be a lack of political commitment to the idea that research and innovation are important drivers of development and growth....

The fifth objective of WP 6 suppose to ensure quality assessment by following: Initiating, managing and supervising internal quality control instruments planned in the WP which are traditionally effective methods in the competitive academic community –including regular seminars, workshops and conferences, international progress reports, keeping of minutes and reports, and ensuring public availability through the WEB portal and the Access Centre (see WP5); Research Potential FP7-REGPOT-2011-1 FOTONIKA – LV.

Semi regular Colloquiums as well as, workshops, seminars and commercial meetings was usual praxis during the implementation of the project ensuring internal quality control of RTD activities, knowledge sharing and communications with visiting scientists. The SMEs community in the domain of photonics and Space sciences was preferred target audience. The FOTONIKA-LV task force for FP7 and HORIZON 2020 calls for projects following it's corporate mission assisted to five SMEs in writing project proposals for H-2020 SMEs instrument! From 7 project proposals

¹ [Latvia. Innovation System Review and Research Assessment Exercise: Final Report, TECHNOLIS, April 20, 2014](#)

² Ibid, pg. 38

six projects received high ranking marks - above 12 points from 15 and one was financed having final score 13,65.

Agendas of the colloquiums are collected in the project site of the Participant Portal.

Virtual publicity of the project was ensured via general WEB address of the Project in the portal of the University of Latvia (www.lu.lv/FOTONIUKA-LV) from where link to specified WEB portals, like www.FOTONIKA-LV.eu and few other virtual sites were indicated.

Finally, the last objective of the WP 6 was to ensure functioning of Management team, Management Board and Scientific Steering Committee meetings. The Agendas of the meetings are listed below!

1. Summaries of management group meetings

3rd operational management meeting	
Time:	Tuesday, 16.07.2013., 9.00 – 9.30
Place:	LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair:	A. Ūbelis
Actual Questions:	
<ol style="list-style-type: none"> 1. <i>The 1st regional workshop</i> 2. <i>Photonics and Quantum Technologies - Area of regional smart specialization in Latvia and Baltic Countries - 26.07. Friday</i> 3. <i>Dr.Andris Vaivads, Swedish Cosmos institute –Coloquium, Friday, 9.30;</i> 4. <i>Yesterday talk with Peics – 10000 LVL Šķūņu 4 are not planned in UoL budget,</i> 5. <i>The negotiations with the Ministry of Education of Higher Education and Science Department management - LCS Grants Competition Bureau has a number of appeals one of the solutions to fulfill the Parliamentary Education Commission's decision and award of MK budget amendments required 6 million. euro. Konsultējos with Akademie. A.Buiki - he will launch new initiatives;</i> 6. <i>Dr.Amara Grapa - Latvian origin Space Affairs Doctor. I shall propose a 2-week secondment work to prepare the IIF and CIG projects in FP7 calls with deadlines in August and September.</i> 7. <i>Dr.Vidvuds Beldava of exiles - is in talks for one month of the expert work of Riga Photonics Centre's package from 1 August /</i> 8. <i>Today starts Riga-Freiburg in Freiburg project realization: U.Berziņš, J.Alnis, J, Kļaviņš;</i> 9. <i>Working with SMEs successfully guided. Actuality - Working visit - shared zin.tehn.darbnīca with Z-light.</i> 	

4th operational management meeting	
Time:	Tuesday, 23.07.2013., 9.00 – 9.30
Place:	LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair:	A. Ūbelis
Actual Questions:	
<ol style="list-style-type: none"> 1. <i>From the Riga City Council, the necessary permits will be on Thursday</i> 2. <i>Dr.Vidvuds Beldava of exiles - is in talks for one month of the expert work of the Riga Photonics Centre's package from 1 August;</i> 3. <i>Today starts Riga-Freiburg in Freiburg project realization: U.Berziņš, J.Alnis, J,</i> 	

Kļaviņš;

4. 4. Cooperation with SMEs successfully guided.
5. 5. There will photonics-GB - Z-LIGHT joint seminar on Thursday late evening.
6. 6. It is necessary for our self-sufficiency figures
7. 7. Conversation with Semyon Papernovu due to Lva Dolgova studies Rochester
8. 8. Kalvis Salmiņš and Horka del Pino participation SLR conference in Tokyo
9. 9. John Spīgulis - two conference applications for the next few years;
10. 10. The planned conference travel money has been spent on the project:
11. 11. Need an inventory that trips can be attributed to the publicity and organization:
12. 12. Savings of conferences and seminars organization moves to a conference trips
13. 13 Recrutants for geodynamics lab. (A.Pavēnis)

5th operational management meeting

Tuesday, 30.07.2013. 9.00 – 9.30

Actual Questions:

1. 1. The challenging our Institute ZI exclusion from the Register in a letter to the Minister of Education and Science
2. The Institute shall decide on the support of the Council decisions !!!
3. I have sent for consultation Fotonika-LV SSC 3-rd virtual meeting file.

6th operational management meeting

Time: Tuesday, 06.07.2013., 9.00 – 9.30

Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga

Chair: A. Ūbelis

Actual Questions:

1. Continuing the activities started yesterday throughout the day and worked at night and sent me MES A.Ambaina signed letter encouraging Photonics and Quantum Technologies accepted kaa highest standard of smart specialization in the direction of Latvian.
2. I have received from Carlos Lee has sent an invitation to join the E-photonics EPIC (2000 per year)
3. News is a new academic staff elections
4. Dr.Vidvuds Beldava has started work - he has a good idea to give the possibility for interested viewers to call on a mobile text and hear comments logos are creating

scenes.

5. *Dr. Janis Alnis is uzsācisi work as a repatriate;*
6. *John Blahins and Aigars Rieba currently in Gothenburg, where begins the first experiments GRIBAM. There will be participants in of Berkeley and the University of Mexico.*
7. *There is an agreement with AI Dr. Amara Grape repatriation of employment contract*
8. *Need conversation with I. Muižnieku our self-sufficiency!*

Actual - preparing materials for FOTONIKA-LV Interim report.

9. *I have an appointment with Martin Bondars. Maybe invite the colloquium*
10. *BSI commercial workshop at 02.08.2013*
11. *Natural resources of asteroids - HORIZON 2020 - Future Technologies and Emerginging*

7th operational management meeting

Time: *Tuesday, 06.07.2013., 9.00 – 9.30*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *Inara Popov sent a list of the Institute of Photonics-EN WORKING SINCE 2010th*
2. *After a certain amount of, and I also posted, we must have possibility show that we will be working if the resources will be delegated.*
3. *Yesterday RFC team to discuss current work*
4. *Preparation of a conference in 2013 Biofotonika guided successfully*
5. *The agreement with the AI Dr. Amara Grape repatriation of employment contract. She writes PEOPLES IIF and CIG projects*

8th operational management meeting

Time: *Tuesday, 20.08.2013., 9.00 – 9.30*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *It is necessary to Sandra letter Carlos Lee to clarify and immediately act upon occurrence of EPIC.*
2. *The list of new academic staff elections until 09.01.2013*
3. *Dr. Amara Grape and Dr. Andrejeva 8.14. PEOPLES by IIF and IOF projects.*

4. *Colloquium with Martina Bondars participation. 22/08/2013 - 10.00.*
5. *colloquium with Andris Liepiņš EM parliamentary secretary showed how great "Vale of death" between creative, active and patriotic work to do "science trenches" and concepts and their builders Government bodies.*
6. *Vidvuds Beldava - a short presentation to EN and EU level update and present photonics, quantum physics and quantum technology as a priority, and the Latvian Association of photonics-LV as this direction flagship and one of the engines.*

9th operational management meeting

Time: *Tuesday, 27.08.2013., 9.00 – 9.30*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *New students (Blahins, Apsītis and one doctoral student J.Alnim, MSC students from Daugavpils)*
2. *WP leaders - briefly reports on the process of photonics-LV*
3. *photonics-LV SSC meeting on Wednesday 28/08/2013, 14o shed 4th*
4. *Please WP for each driver to refresh its share presentation materials.*
5. *Secondments to IFA IRSES project Summer School - Sandra Šmaliņa and Ojars Balcers mid-September;*
6. *photonics-LV Foresight Seminar October first week;*
7. *FOTONIKA-LV membership Foresight International Academy IRSES project*
8. *IRSES project biosensor AGRICULTU project discussion 08.27.2013, 17:30 today;*
9. *Darta Ūbele come to Odessa, as young scientists biosensor AGRICULTU work 3-27.sept. dr.R.Vitera management;*
10. *Mr.A.Ūbelis come to Kiev, September 9 to start IRSES nocturnal ATMOSPHERE prfojektu*
11. *International scientific evaluation 4-5 September.*

10th operational management meeting

Time: *Tuesday, 3.09.2013., 8.30 – 9.00*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *WP leaders - briefly reports on the process of photonics-LV*

2. *BIOFOTONIKA - RIGA 2013 summary.*
3. *The International University of ASI and the context of the assessment of LV-photonics Thursday September 5, 9:00 Workshop ASI audience shed 4th*
4. *LV-photonics all three institutes operating expenditure figures and details.*
5. *LV-photonics and Prof.A.Ambaiņa measure together with the EU delegation Latvian EUROPEAN house with anticipated foreign ambassadors present.*
6. *LV-photonics applied research projects and technology breakthrough Integration*
7. *The appeal letter ZI in the register i Minister of Education and Science.*
8. *Vidvuds and Arnold - repeated conversation with Martin Bondars 4.09.2013.*

11th operational management meeting

Time: *Tuesday, 24.09.2013., 9.00 – 9.30*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *The negotiation in Brussels with the FP7 project officers: photonics-LV - Anne Blitz and the Head of Unit - Grzegorz.AMBROZIEWICZ and their visits to Riga 11.22.2013*
2. *The negotiations with IRSES project "biosensor Agricult 'officers Olievier Dahon and IRSES project opportunities HORIZON 2020*
3. *Mr.A.Ūbelis and I.Eglīša secondment visits Ukraine FP7 project IRSES "" Nocturnal Atmosfera "*
4. *he CIG and IIF PEOPLES project proposals relevant tenders with deadlines this year September 18 and August 14.*
5. *FOTONIKA-LV project "task force" to work on new projects including*
 - *FP 7 last call: FP7-INFRASTRUCTURES-2013-2, deadline 03.12.2013 and*
 - *the Norwegian Financial Mechanism competitions;*
6. *A large infrastructure purchases;*

12th operational management meeting

Time: *Tuesday, 01.10.2013., 8.30 – 9.00*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *November 22 will HORIZON 2020 PEOPLES Infoday programs - including ASI auditorium; IRSES project opportunities HORIZON 2020*

2. *IRSES FP7 project "" Nocturnal Atmosfera "Ukrainian colleagues' visit to Moscow and Riga are planned for November and December. two specialists will come in the field of SLR and 32 very strong theorists atmospheric photochemistry field.*
3. *FOTONIKA-LV project "task force" to work on new projects including FP 7 last call: FP7-INFRASTRUCTURES-2013-2, deadline 12.03.2013 and the Norwegian Financial Mechanism competitions;*
4. *A large infrastructure purchases - is an agreement that increasing the volume and Dr.A.Ekera J.Aļņa equipment.*
5. *The US DoD International Collaboration in Basic Research Offices visit to University of ASI 15:15 to 17:00, October 3, 2013.*
6. *U.Bērziņa unpaid leave until the end of 2013 and A.Apsīša and V.Silamiķeļa Offering project respectively to 3 and 1.5 months in order to strengthen the capacity of FOTONIKA-LV commercial projects.*
7. *Insights FOTONIKA-LV and Prof.A.Ambaiņa September 25 event, together with the EU delegation Latvian EUROPEAN house in the process. Mr.A.Ūbelis - trip to Vilnius 10/04/2013.*

13th operational management meeting

Time: *Tuesday, 01.10.2013., 8.30 – 9.00*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. Organisational issues of seminar

*„Photonics, Quantum Sciences and technologies
in Baltic countries*

The 1st regional workshop on strategy planning and technology foresight

Time: *October 9 – 11, 2013., Wednesday-Friday*
Venue: *Institute of Atomic Physics and Spectroscopy (Association FOTONIKA-LV
, Šķūņu 4. auditorium, 4. floor., Old Riga*

2. *The mission in Vilnius due to smart specialization issues*
3. *Anne Blitz and the Head of Unit - Grzegorz.AMBROZIEWICZ planning to visit Riga 28/29 November and aligned arr FP7 Open Day on November 29, 2013 .and ievdlekciām of HORIZON 2020th4.*
4. *4.All projects IRSES Latvian substantive audit planned 21/22 November. The event w ASI auditorium and the end of the event on Friday afternoon to say November 22 will the HORIZON 2020 program PEOPLE. Info day also in ASI ; IRSES project possibil HORIZON 2020*
5. *The FOTONIKA-LVFP7 project symbols and signs..*
6. *6. photonics - EN project "task force" to work on new projects including*
 - ☐ *FP 7 last call: FP7-INFRASTRUCTURES-2013-2, deadline 03.12.2013;*
 - ☐ *Norwegian Financial Mechanism competitions;*

- ☐ *DAAD funding for student groups from the German research training photonics-LV laboratories;*
 - a. About US DoD International Collaboration in Basic Research Offices visit to University of ASI 15:15 to 5:00 p.m., 2013.g.3.okt.*
 - b. Swiss scholarships;*

14th operational management meeting

Time: *Tuesday, 22.10.2013., plkst 8.30 – 9.00*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

- 1. The EU regional smart specialization concept - a maximum of EU Structural Funds and Horizon 2020 Interactions - Structural emergency surveillance targeted use of the EU 2020 strategy.*
- 2. HORIZON 2020 project competitions 11 December 2013 and associations When FOTONIKA-LV Prospects leaving RegPOT project achievements:*
 - a. ERA Chairs;*
 - b. teaming;*
 - c. Twinning;*
 - d. Maria Skłodowska-Curie-(Peoples) projects;*
 - e. ERC projects*
- 3. by Association of FOTONIKA-LV as a public interest research center in person and publicly derived. This is a huge time administrative resource consumption realizing million project LU administration supervision, which is not intended and can not adapt to a dynamic EU Framework Programme and the private sector execution of projects, which require quick decisions.*

15th operational management meeting

Time: *Tuesday, 29.10.2013., 8.30 – 9.00*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

- 1. The FP7 project FOTONIKA-LV developments, RFC work issues:*
 - ☐ *adopted;*
 - ☐ *information screens;*
 - ☐ *WEBportāls specific project;*
 - ☐ *interaction with SMEs Latvian and Baltic countries;*
 - ☐ *Data Collection (base);*
- 2. The Institute laboratories, departments and building the capacity of the Observatory.*
- 3. The EU's regional smart specialization concept - a maximum of EU Structural Funds and Horizon 2020 Interactions - Structural emergency surveillance targeted use of the EU 2020 strategy*

16th operational management meeting

Time: Tuesday, 29.10.2013., 8.30 – 9.00
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. The accession IRSES FP7 project: Foresight International Academy Acronym: IFA
Proposal Number: 294959;
2. Preparation of the European Commission's FOTONIKA-LV supervisors visit to Riga
29.11.2013.

17th operational management meeting

Time: Tuesday, 29.10.2013., 8.30 – 9.00
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. Preparation of the European Commission FOTONIKA-LV supervisors visit to Riga
29.11.2013. Each WP driving a 3-minute story of your presentation.
2. The smart specialization: Photonics, quantum science and quantum technology.

20th operational management meeting

Time: Tuesday, 10.12.2013., 8.30 – 9.30.00
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. Preparation of the European Commission photonics-LV supervisors visit Riga 20.12.2013
(see program attached file) and virtual information Steering Committee
2. The FOTONIKA-LV and the Baltic Photonics Cluster joint seminar IPR issues and smart
specialization. December 16.
3. FOTONIKA-LV project applications road map - 2014:
 - ☐ Application State program - photonics;
 - ☐ ERDF project applications;
 - ☐ Norwegian and Swiss financial instruments;
 - ☐ German and French scholarship programs;
 - ☐ Application HORIZON 2020 competitions (will be detailed in Monday afternoon);
 - ☐ ERA-NET BIOFOTONIKA opportunities;
 - ☐ Different Joint Technology Initiative (JTI) the opportunities offered by
 - ☐ Projects in collaboration with industry

22th operational management meeting

Time: Tuesday, 7.01.2014., **8.30 – 9.30.00**
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. Information about the VPP application and the situation with the smart specialization in the country
2. New applications for ERDF
 - ☐ HORIZONTS 2020 project applications.
 - ☐ The photonics-LV participation in negotiations with the management of the University of the base funding and the full economic independence..
 - ☐ IRSES project news.

23th operational management meeting

Time: Tuesday, 14.01.2014., **8.30 – 9.30.00**
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. New applications for ERDF
Very Important!
2. Please all of the ERDF project applicants to fill maximum space forms!!!
3. Management during the meeting on the screen to show all their applications, so that we can discuss and coordinate efforts and effort: 5-7 minutes to a project!
4. HORIZONTS 2020 project proposals and commercial projects.
5. The FOTONIKA-LV participation in negotiations with the management of the University of the base funding and the full economic independence.

25th operational management meeting

Time: Tuesday, 28.01.2014., **8.30 – 9.30.00**
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. HORIZONTS 2020 projects:
 - ☐ Initial Training Networks (ITN) - Deadline 09/04/2014 FOTONIKA-LV is a consortium of biosensor - a project coordinated by the University of Montpellier, and colleagues from our side is writing Dr.Romans VITER;
 - ☐ RISE - Exchange of Staff - deadline 24.04.2014 writing and coordinating two projects: ION SPECTRA (Berzins Blahins, Apsītis) and GEODYNAMICS (Vjaters, Salmiņš and CO)
 - ☐ NIGHT Deadline 04/03/2014 -raksta Riga Photonics Centre team.

□ *This week colloquia and photonics cluster initiative-LV.*

26th operational management meeting

Time: Tuesday, 04.02.2014., 8.30 – 9.30.00
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. *Commercial projects and initiatives to performers;*
2. *The door security systems, photonics-LV Institute premises;*
3. *FOTONIKA-LV "Active remote sensing conference in October 2014.*

27th operational management meeting

Time: Tuesday, 11.02.2014., 8.30 – 9.30.00
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. *Foresight un IPR process*

29th operational management meeting

Time: Tuesday, 03.03.2014., 8.30 – 9.30.00
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. *HORIZONTS 2020 projects*
 - *NIGHT Deadline 04/03/2014 - writes Riga Photonics Centre team - agree on the details of which can be incorporated into the final version of the project!*

31th operational management meeting

Time: **Tuesday, 18.03.2014., 8.30 – 9.00.00**
Place: **LU ASI, Šķūņu 4. auditorija, 4. st. Rīga**
Chair: **A. Ūbelis**

Actual Questions:

1. 1HORIZON 2020 MSCA - RISE - 2014 Project Preparation and submission coordinator capacity: IONS SPECTRA - Dr.H. U.Berzins; GEODYNAMICS- Dr.M.Abele;
2. FOTONIKA-LV Fourth Conference announcement October 2014;
3. FP7 photonics-LV Project Scientific Steering Committee shall announced to 25.04;
4. The initiative cluster: photonics, quantum science and TECHNOLOĢIJAS;
5. Insights Association FOTONIKA-LV roadmap to national importance of science center and legally derived personality.
6. Being a consensus about positive developments which have taken place since April 24, 2010, when three directors voluntarily institute founded by the Association of FOTONIKA-LV our conversation marked the following road map:
 - 1) The Association FOTONIKA-LV is transformed into the Latvian University research center of national importance - derived public person -Located LU monitoring and operating under the laws of science and the Law on Public Agencies till October June inclusive;
 - 2) forming the association of Institute of Atomic Physics and Spectroscopy, Institute of Astronomy and Institute of Geodesy and Geoinformatics identity and ownership of the corresponding branches of science is saved.
 - 3) LV-photonics as derived public property of the person enters the house Šķūņu 4 and the other property, which makes it possible to borrow the Treasury of the funding of projects. LU and the Ministry to decide on it together and do not exclude the possibility of the Jaunavu 8 houses arrival at property of the Association;
 - 4) Depending on the interest in the continuation of growth is likely that the photonics-LV at the same time become a science of four and three more universities. For example, if VU Ventspils Radio Astronomy Centre is showing interest in joining, including Liberta center of DU, or even an RTU structure;
 - 5) Of course photonics-LV take over the entire institute based projects and funding. LU lobbying in addition to a grant from the State in respect of FP7 project significant contributions to the state budget;
 - 6) Management building blocks are simple and clear;
 - 7) The Institutes are managed in their respective regulations;
 - 8) The Scientific Secretary of the Association is to coordinate scientific cooperation and joint projects in life;
 - 9) The association is a joint technical executive director, who is working.

32th operational management meeting

Time: **Tuesday, 01.04.2014., 8.30 – 9.15**
Place: **LU ASI, Šķūņu 4. auditorija, 4. st. Rīga**
Chair: **A. Ūbelis**

Actual Questions:

1. *Welcome to the FOTONIKA-LV project repatriated and Astronomical Institute scientist working Dr. Amara Grape with two creative success:*
 - *Included - 'COST project TD1308, Contributions to theicy satellites and planetary formation topics "with the volume up to 140 000 for four years;*
2. *Participation in the project consortium HORIZON 2020: PROTEC2-14: RIA. SEP-210130656, Acronym: PROTEC2-14- Lowry. Title: The European NEOScience Network "with LV volume share of 71 000 EUR;*
3. *There are two additional insertion HORIZON 2020 projects*
4. *'Priority projects FOTONIKA-LV -commercial projects and a roadmap for SMEs HORIZON 2020, The need to make use of them;*
5. *M. Svilāns secondment visit and repatriation;*
6. *Dr. Arvind secondments and recruitment of potential postdoc FOTONIKA-LV project*
7. *HORIZON 2020 MSC - RISE - 2014 Project Preparation and submission coordinator capacity: IONS SPECTRA - Dr.H. U.Berzins; GEODYNAMICS- Dr.M.Abele;*
8. *Sandra Šmaliņas visit the Fraunhofer Institute and IPR seminar April agenda for additions to the story of SMEs opportunities HORIZON 2020th*

33th operational management meeting

Time: *Tuesday, 08.04.2014., 8.30 – 9.15*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *HORIZON 2020 MSCA - RISE - 2014 Project Preparation and submission coordinator capacity: IONS SPECTRA - Dr.H. U.Berzins; GEODYNAMICS- Dr.J.Balodis, MSc.Janis Vjaters;*
2. *Work on photonics-LV national importance LU center constitution;*
3. *Dr. R.Vitera HORIZON 2020 projects: participation ITN RISE project applications and consortia;*
4. *M. Svilāns secondment visit colloquium on Friday 04/11/2014 and repatriation;*
5. *Dr. Arvind Saxena secondment visit starting from 04.12.2014 and colloquium week before Easter.. Possible recruitment of postdoc in FOTONIKA-LV project*

35th operational management meeting

Time: *Tuesday, 22.04.2014., 8.30 – 9.15*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *Congratulations to Dr. Roman VITERIE with participation HORIZONTS 2020 -MSC ITN consortium within the application!!!!*
2. *Associations When photonics-LV VPP project, deadline 22.04.2014;*
3. *Consultation and synergistic cooperation by coordinating officer, "ION BEAM SOURCES" - Dr.H. U.Bērziņš; GEODYNAMICS- Dr.J.Balodis, MSc.Janis Vjaters and Dr.Romans VITER participant status (NANOSENSOR technology) deadline 24.04.2014, 18:00;*
4. *4. Dr. Aigars Atvars - Scientific and technical assistant projects referred to writers and science manager candidate to Riga Photonics Centre team and consultant Latvian "high-tech" areas of photonics SMEs to write a draft of the first phase of the times: 18.6.2014 - 24.09.2014 - 17.12.2014 and the second phase periods respectively: 10/09/2014 and 17:12. 2014.*
5. *Prof.Dag Hanstorp visit 23-24.Aprīlis - RISE work on the project and the first call on eventual Twinning project;*
6. *25 April: photonics-LV colloquia No. 52 and 53, FOTONIKSA-LV SSC meeting and presentations at, the Lithuanian company ALTEHNA commercial seminar;*

36th operational management meeting

Time: *Tuesday, 06.05.2014., 8.30 – 9.15*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *Applications for SMEs call for proposals with deadline: 18/06/2014*
2. *Discussion of the idea of prioritization and project teams.*
3. *Aigars Presentation*
4. *Dr. Aigars Atvars - Scientific and technical assistant projects referred to writers and science manager candidate to Riga Photonics Centre team and consultant Latvian "high-tech" areas of photonics*
5. *A comprehensive support photonics-LV from LU, the Government and the Saeima on the basis of TECHNOPOLIS Latvian scientific evaluation recommendations*
6. *Smart specialisation- "bottom-up" process!*

38th operational management meeting

Time: *Tuesday, 27.05.2014., 8.30 – 9.15*
Place: *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga*
Chair: *A. Ūbelis*

Actual Questions:

1. *FOTONIKA-LV - Active participation with posters from FOTONIKA-LV and also from AI un ĢI*

**INTERNATIONAL CONFERENCE ON
COLLABORATION IN SPACE TECHNOLOGIES
-6TH JUNE 2014 / RIGA LATVIA**

2. Post-Doc position in of the applicant approval. Among the five applicants who responded to the ad portal EURAXESS

Five-expert perspective (D.Hanstorp, J.Kļaviņš, U.Bērziņš, J.Blahins, Mr.A.Ūbelis) to work with the ion beam equipment is the most appropriate Dr. Arvind Saxena
Arvind Kumar Saxena

Date of birth: 20/04/1984

Nationality: Indian

Present position: Postdoctoral Fellow,

Mailing address: **Physical Research Laboratory** is a leading research institute of India engaged in basic research in several areas of experimental and theoretical sciences.,

Space and Atmospheric Science Division (SPA-SC) , www.prl.res.in/

Ahmedabad-380009, India.

42th operational management meeting

Time: Wednesday, 2.07.2014, 9.00 –10.00

Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga

Chair: A. Ūbelis

Actual Questions:

- 1. Photonics, quantum science and related technologies (including space)*
- 2. Strategy for Latvia; photonics-LV work on strategies and smart specialization - "bottom-up" process!*
- 3. Actual SMEs project proposals and other project options - command mobilization;*
- 4. University of National Science Center FOTONIKA-LV - Topical works.*

44th operational management meeting

Time: Tuesday, 15.07.2014, 8.30 –10.00

Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga

Chair: A. Ūbelis

Actual Questions:

- 1. The Working Group HORIZON 2020 pan Baltic Teaming project "Photonic, Quantum sciences and Space technologies" as well as Twinning and the "ERA chairs" projects*

51th operational management meeting

Time: **Tuesday, 05.08.2014, 8.30 –10.00**
Place: **LU ASI, Šķūņu 4. auditorija, 4. st. Rīga**
Chair: **A. Ūbelis**

Actual Questions:

1. *HORIZON 2020 teaming project "Photonic, Quantum sciences and Space technologies" - PHOTONICS BALTICUM projects, summary;*
2. *HORIZON 2020 - Participation in the FET-OPEN Project Application deadline September 30;*
3. *HORIZON 2020 - ERA-Chairs project applications, the deadline October 17;*
4. *HORIZON 2020 - SMEs project applications time-limit on September 24,*
5. *Nocturnal ATMOSPHERE - Conference organization issues and Photonics Day.*

53th operational management meeting

Time: **Tuesday, 14.10.2014, 8.30 –10.00**
Place: **LU ASI, Šķūņu 4. auditorija, 4. st. Rīga**
Chair: **A. Ūbelis**

Actual Questions:

1. *HORIZON 2020 - ERA-Chairs of project proposals, the period 15 October;*
2. *Nocturnal ATMOSPHERE - Conference organization issues and Photonics Day.*
3. *National Strategy for smart specialization.*
4. *"Photonics, Quantum sciences, Space Sciences and Related Technologies".*

54th operational management meeting

Time: **Tuesday, 28.10.2014, 8.30 –10.00**
Place: **LU ASI, Šķūņu 4. auditorija, 4. st. Rīga**
Chair: **A. Ūbelis**

Actual Questions:

1. *Memorial minute colleague Miķelis Svilāns passed away!*
2. *A brief look back at the September and October in an intensive effort accomplished.*
3. *The agreement on work and work on new projects in various competitions:*
4. *HORIZON 2020 MSC scholarships RISE, ITN, Infrastructure;*
 - a. *Swiss programs;*
 - b. *NATO;*
 - c. *US NAVY office;*
 - d. *EU Structural Funds.*

57th operational management meeting

Time: **Tuesday, 25.11.2014, 8.30 –10.00**

Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. WP managers reporting presentation files SSC (Project of the Scientific Council)
2. FOTONIKA-LV extension contract with continuations and repatriated to recruit scientists and cooperation from FOTONIKA-LV project completion.
3. Photonics, quantum science space science and related technologies - cluster making process

58th operational management meeting

Time: Tuesday, 9.12.2014, 8.30 – 9.45
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. Discussion of the Twinning (H2020) design concepts;
2. RISE (H2020) design concepts;
3. In the short term be recruited scientists.

62th operational management meeting

Time: Tuesday, 06.01.2015, 9.30 – 10.30
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. 31 000 euro SAEIMA budget vote, the delegation of fundamental geodynamic Observatory of infrastructure and virtual
2. Location of the Riga photonics center: Action Plan.

63th operational management meeting

Time: Tuesday, 13.01.2015, 9.15 – 10.00
Place: LU ASI, Šķūņu 4. auditorija, 4. st. Rīga
Chair: A. Ūbelis

Actual Questions:

1. *Project report preparation;*
2. *FOTONIKA-LV LU Section Annual Conference;*
3. *University of Science Centre for preparation of the draft statute!*

66th operational management meeting**Time:** *Tuesday, 10.02.2015, 9.15 –10.00***Place:** *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga***Chair:****Actual Questions:**

1. *The project three work packages run-time extension on 3 months and the employment contract extensions;*
2. *Project report preparation process.*

67th operational management meeting**Time:** *Tuesday, 17.02.2015, 9.15 –10.00***Place:** *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga***Chair:** *A. Ūbelis***Actual Questions:***Project report preparation process and photonics-GB capacity inventory:*

- ☐ *Human Resources;*
- ☐ *Physical infrastructure and experimental equipment;*
- ☐ *Application in collaboration with small businesses;*
- ☐ *Current and future projects;*
- ☐ *International commitments and strategic partnerships.*

*Closing Conference.***57th operational management meeting****Time:** *Tuesday, 03.03.2015, 9.15 –10.00***Place:** *LU ASI, Šķūņu 4. auditorija, 4. st. Rīga***Chair:** *A. Ūbelis***Actual Questions:**

1. *Project report preparation;*
2. *Closing Conference*
3. *University of National Science Centre Regulations*
4. *The project report preparation process*

5. *Contingent MSCA scholarship holders*
6. *FOTONIKA-LV capacity inventory:*
 - ☐ *Human Resources;*
 - ☐ *Physical infrastructure and experimental equipment;*
 - ☐ *Application in collaboration with small businesses;*
 - ☐ *Current and future projects;*
 - ☐ *International commitments and strategic partnership*
7. *Foresight process*

70th operational management meeting

Time: **Tuesday, 10.03.2015, 9.15 –10.00**
Place: **LU ASI, Šķūņu 4. auditorija, 4. st. Rīga**
Chair: **A. Ūbelis**

Actual Questions:

1. *FOTONIKA-LV- applied research projects in collaboration with SMS and Horizon -2020 SMEs projects*
2. *FOTONIKA-LV2020 HORIZONTS projects: RISE call (28/04/2015) Twinning call (05/07/2015) ERC advanced grant (06.06.2015), MSC Fellowships (17/09/2015)*
3. *University of National Science Centre Regulations.*

74th operational management meeting

Time: **Tuesday, 13.01.2015, 9.15 –10.00**
Place: **LU ASI, Šķūņu 4. auditorija, 4. st. Rīga**
Chair: **A. Ūbelis**

Actual Questions:

1. *FOTONIKA-LV- 2020 HORIZONTS projects: Congratulations to the Institute of Astronomy and A.Grapu to finance the participation of RI H-2020 project Nr.654208 EPA 2020-RI - EUROPLANET;*
2. *Project reports and the final conference;*
3. *FOTONIKA-LV- HORIZONTS 2020 projects:*
 - ☐ *RISE call (4/28/2015):*
 - o ION SPECTRA;*
 - o GEODYNAMICS;*
 - o Molecular beam project;*
 - o bio indicators projects.*
 - ☐ *Twinning call (05.07.2015):*
 - o PHOTONICS BALTICUM*
 - ☐ *ERC advanced grant (06.06.2015)*
 - o Two insertion*
 - ☐ *M-S-C Fellowships (10.09.2015)*
 - o Three bidders*
4. *Competence Centre project.*
5. *University of National Science Centre Regulations.*
6. *Foresight process.*

2. Summaries of Scientific Committees meetings



The project FP7-REGPOT-2011-1, FOTONIKA-LV, Nr. 285912
Unlocking and Boosting Research Potential for Photonics in Latvia
– Towards Effective Integration in the European Research Area

The 1st Scientific Steering Committee meeting

Monday, 27.08.2012, 10.00 – 11.45
LU ASI, Šķūņu 4, 4th floor, Riga, Latvia

Agenda – Dienaskārtība

10.00-10.15	Prof. <u>Andrejs Silinš</u> , Chair of SSC, Welcome speech ZVC Pr-jis, <u>ievada runa</u>
10.15- 10.30	Dr. <u>Arnolds Ūbelis</u> , Project Coordinator (<u>Projekta kordinātors</u>) FOTONIKA-LV, Nr. 285912 in the landscape of 149 projects in the European Research Area financed by FP7-REGPOT seven calls <u>Projekta</u> FOTONIKA-LV, Nr. 285912 <u>vieta starp</u> 149 FP7-REGPOT <u>septiņu</u> <u>konkursu finansētiem projektiem Eiropas Vienotā zinātnes telpā</u>
10.30-11.00	Dr. <u>Arnolds Ūbelis</u> , Project Coordinator (<u>Projekta kordinātors</u>) The project FOTONIKA-LV, Nr. 285912 - Efforts and main outcomes of the first 6 months. Vision and Strategy towards future <u>Projekts</u> FOTONIKA-LV, Nr. 285912 – <u>pirmo 6 mēnešu darba pūles un galvenie</u> <u>sasniegumi. Nākotnes vizijas un stratēģija</u>
11.00-10.15	Key players in the project – introduction and short reports <u>Projekta komandas līderi – iepazīšanās un īsi ziņojumi</u>
11.15-11.45	Questions, discussions and statement



(Nr. 5) - Šķūņu 4



FP7-REGPOT-2011-1, FOTONIKA-LV, Nr. 285912, Arnolds Ūbelis,




The project FP7-REGPOT-2011-1, FOTONIKA-LV, Nr. 285912
Unlocking and Boosting Research Potential for Photonics in Latvia
– Towards Effective Integration in the European Research Area

**2nd Virtual Scientific Steering Committee
Meeting and consultations**

March 2013

Agenda – Dienaskārtība

Point 1.	Dr. Arnolds Ūbelis, Project Coordinator, PPT presentation file <i>The project FOTONIKA-LV, Nr. 285912</i> <i>Efforts and main outcomes of the first 12 project months</i> <i>Vision and Strategy towards future</i>
Point 2.	<u>The Section:</u> <u>The project „FOTONIKA-LV – FP7-REGPOT-CT-2011-285912”</u> the first year scientific outcomes <i>71st annual scientific conference of University of Latvia</i> <i>1st of February, 2013, 9.00 – 15.00</i> Riga Photonics Center, Skunu str.4, Riga, Latvia PDF files: The agenda; Abstract book
Point 3.	Virtual discussions and consultations: a) Letters of questions and comments b) Advices and suggestions for future
Point 4.	Next meeting: During the forthcoming conference organized by the project, eventually Wednesday, August 28, 2013, 14.00. <i>Second Announcement</i>  1st International Conference Biophotonics - Riga 2013 <i>with associated research training course and exhibition</i> Biophotonic Technologies - Baltics 2013 26 – 31 August 2013 Riga, Latvia





The project FP7-REGPOT-2011-1, FOTONIKA-LV, Nr. 285912
Unlocking and Boosting Research Potential for Photonics in Latvia
– Towards Effective Integration in the European Research Area

**3rd Virtual Scientific Steering Committee
Meeting and consultations**

July 2013

Agenda – Dienaskārtība

Point 1.	Dr. Arnolds Ūbelis, Project Coordinator, PPT presentation file <i>The project FOTONIKA-LV, Nr. 285912 Efforts and main outcomes of the first 18 project's months Vision and Strategy towards future</i>
Point 2.	The Section: <u>The project „FOTONIKA-LV – FP7-REGPOT-CT-2011-285912” – the first</u> year scientific outcomes <i>71st annual scientific conference of University of Latvia</i> <i>1st of February, 2013, 9.00 – 15.00</i> Riga Photonics Center, Skunu str.4, Riga, Latvia PDF files: Abstract book –final version
Point 3.	Internal Quality control events and various workshops, promotion activities and contribution to policy developments: 1) Colloquiums FOTONIKA-LV (<i>now counts 36, see ZIP file attached</i>); 2) Commercial workshops to promote cooperation with SMEs (<i>see agenda for 2 in attached files</i>); 3) Meeting of Saeima Parliamentary Innovation committee in premises of FOTONIKA-LV (<i>minutes in Latvian available, see attached file</i>); 4) Pending workshops concerning smart specialization domain in Latvia and in Baltics: Photonics and Quantum Technologies (<i>See agendas in attached files – outcome files will follow</i>)
Point 3.	Virtual discussions and consultations: a) Letters of questions and comments b) Advices and suggestions for future
Point 4.	Next meeting: During the forthcoming conference organized by the project, eventually Wednesday, August 28, 2013, 14.00. Please provide information about your capacity to come to Riga. The project will cover the costs <i>Second Announcement</i>   1st International Conference Biophotonics - Riga 2013 <i>with associated research training course and exhibition</i> Biophotonic Technologies - Baltics 2013 26 – 31 August 2013 Riga, Latvia



The project FP7-REGPOT-2011-1, FOTONIKA-LV, Nr. 285912
Unlocking and Boosting Research Potential for Photonics in Latvia
– Towards Effective Integration in the European Research Area

4th Scientific Steering Committee Meeting

Wednesday August 28, 2013, 14.00
Venue: Institute of Atomic Physics and Spectroscopy
Skunu 4, Riga, 4.floor
Chair: Prof.Andrejs Silins

Agenda – Dienaskārtība

14.00-14.20	Prof. Andrejs Silins: Welcome address
14.20-14.40	Dr.Arnolds Ūbelis, Project Coordinator The project FOTONIKA-LV, Nr. 285912 Efforts and main outcomes of the first 18 project's months Vision and Strategy towards future
14.40-15.10	Questions and discussions related to scientific part of the project
15.10-15.30	Coffee break and communications
15.30-15.50	Dr.Arnolds Ūbelis, Project Coordinator The project FOTONIKA-LV, Nr. 285912: Efforts related to corporate responsibility and partnerships with industry
15.50-16.00	Questions and discussions related to corporate responsibility and partnerships with industry
16.00-16.15	Dr.Arnolds Ūbelis, Project Coordinator The project FOTONIKA-LV, Nr. 285912: Main milestones in the roadmap for the second half of the project.
16.15- 16.30	Intervention from SSC members, general discussions, conclusions



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**5th Virtual Informative Scientific Steering Committee
Meeting**

Wednesday December 18, 2013,
Chair: Prof. Andrejs Silins

Agenda

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1. Circular e-mail letter from the project coordinator to highlight access to DROPBOX folder.
<https://www.dropbox.com/sh/yp8rb2kuiz8qf6u/tzXAA9dnjD> where overview presentations and other related information will be allocated for easy access.
2. Comments and suggestions are expected.
3. FOTONIKA-LV project task force is ready to take on board any idea and to contribute in design of project proposals for HORIZON 2020 together with partner institutions



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6th Virtual Message to Steering Committee

Friday, March 21, 2014,
Chair: of SSC Prof. Andrejs Silins

On the Agenda of this message the following:

1. Meeting of SSC of the project in Riga of April 25 at 12.00 with 4 points on agenda:
 - Welcome speeches related to 4 years anniversary of FOTONIKA-LV (*founded on April 24, 2011*)
 - Coordinator's and WP leaders reporting on the status of implementation;
 - Association FOTONIKA-LV eventually becoming legal person in the status of University Center;
 - New project design for HORIZON 2020 in cooperation with partnership organizations
2. The Project past it's 2 years term on February 1, 2014 and special section was devoted to this milestone within the scope of 72. annual conference of the university – see attached file;
3. Latvia – Research performance Exercise was performed by 5 International peer review panels led by TEHNOPOLIS. The association FOTONIKA-LV received high recognition and was specifically mentioned in the Panel report: Natural Sciences and Mathematics, see page 77 in the report:

technopolis image

In April 2011, three institutions of the University of Latvia (Atomic Physics and Spectroscopy, Astronomy and Geodesy and Geoinformatics) established the association FOTONIKA –LV with the aim to take responsibility for sustainable advancement of the sector of photonics in Latvia. The association submitted an ambitious FP7 project of basic and applied research in traditional and innovative fields of photonics: REGPOT–2011-1 which was eventually granted €3.8million. Other laboratories should follow this example.

http://izm.izm.gov.lv/upload_file/2014/29012014/1843_Final_Report_Panel_M_140115_2-84.pdf. Panel Report: Natural Sciences and Mathematics. Professor Mats Gyllenberg, chairmen



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**7th Meeting of Scientific Steering Committee
Including virtual presence**

Friday, April 25, 2014, 12.00-14.00
VENUE, Skunu 4, Old Riga, 4th floor
Chair: of SSC Prof. Andrejs Silins

Agenda

12.00-12.10:

1. Welcome speeches related to 4 years anniversary of FOTONIKA-LV (*founded on April 24, 2011*) (10 minutes).
2. Coordinator's and WP leaders reporting on the key aspects of implementation;

WP1 - Partnerships, exchange of know-how and experience

WP leader: Sandra Smalina (10 minutes).

WP-2 - Repatriation and recruitment of experienced researchers;

WP leader: Kalvis Salmins (10 minutes).

WP3 - Upgrading, development or acquisition of research equipment: -

WP leader: Edgars Smalins (10 minutes).

WP4 - Knowledge transfer and training, organisation of workshops, conferences and summer schools- (10 minutes).. WP leader: Dina Berzina

WP5 =Dissemination, promotion, contribution to innovation-Public access

Riga Photonics Centre - (10 minutes). WP leaders: Ojars Balcers,

Vidvuds Beldavs, assistant Natalija Lesina, Policy development,

WP6 - Management and Quality Assessment - WP leader: Sandra Smalina
(10 minutes)

13.15 -13.30 Summary from Coordinator Arnolds Ubelis

13.30 -14.00

- Roadmap of new project design for HORIZON 2020 calls in cooperation with partnership organizations and expected commercial projects. Coordinator A.Übelis
- Association FOTONIKA-LV in line with national and University of Latvia development policy should become a legal person in the status of national scale University Center;
- Association FOTONIKA-LV sustain the bottom-up idea on Pan-Baltic regional smart specialization in the domain: "Photonics quantum sciences and technologies"; .

Concluding remarks from Chair person

3. Project progress meeting

**Minutes of the
FP7 Project Fotonika LV progress meeting
Riga, December 20, 2013**

Venue: Skunu st.4, Riga, 9.30. o'clock,

Agenda

- 9.00 – 14.00 Evaluation Meeting of the project: FP7-REGPOT-2011-1, FOTONIKA-LV, reg. Nr. 285912 - Unlocking and Boosting Research Potential for Photonics in Latvia – Towards Effective Integration in the European Research area.
Riga Photonics Center Skunu 4, Riga
Chair:..Dr.A.Ubelis
- 9.00 – 9.15. Welcome addresses. Dr.A.Ekers, Dr. G. Ambroziewicz
- 9.15 - 9.45 Partnerships, exchange of know-how and experience –WP1;
WP leader: Sandra Smalina
- 9.45 – 10.15 Repatriation and recruitment of experienced researchers - WP2;
WP leader: Kalvis Salmins
- 10.15 – 10.45 Upgrading, development or acquisition of research equipment - WP3;
WP leader: Edgars Smalins
- 10.45-11.15 Coffee break
- 10.15 – 11.45 Knowledge transfer and training, organisation of workshops, conferences and summer schools- WP4;
WP leader: Dina Berzina
- 11.45 – 12.15 Dissemination, promotion, contribution to innovation-Public access
Riga Photonics Centre - WP5;
WP leader: Ojars Balcers, assistant Natalija Lesina, Ojars Balcers
- 12.15 - 12.45 Policy development, Management and Quality Assessment - WP6;
WP leader: Sandra Smalina, Reporting Dr.A.Ubelis
- 12.45 – 13.00 Summary Coordinator Arnolds Ubelis
- 13.00 – 13.15 Discussion
- 13.15 - 14.00 FP7 project management. Expectations of results of FOTONIKA
Grzegorz AMBROZIEWICZ
- 14.00-15.00 Lunch
- 15.0 - 17.30 Tour of FOTONIKA-LV facilities – Visit to Laser Center facilities to see contribution from FP7 REGPOT project to the improvement of experimental set-up for molecular beam research.