



Modernizacija Univerziteta Zapadnog Balkana kroz
jačanje struktura i usluga za transfer znanja,
istraživanje i inovacije



HORIZON 2020 – šansa za sve nas kroz finansiranje inovativnih projekata

Milan Radovanović

Info dan “Od znanja i istraživačkih rezultata do uspešnih inovativnih poduhvata”

5. Jun 2014.

- ▶ **HORIZON 2020** je novi strateški program Evropske komisije koji se nadovezuje na FP7 za period od 2014–2020.
- ▶ Budžet je oko 78 milijardi EUR
- ▶ U okviru Horizon 2020 postoje 3 prioriteta:
 - **Izvrsnost u nauci**
 - **Liderstvo u Industriji**
 - **Društveni izazovi**
- ▶ Tipovi aktivnosti
 - **Istraživanje** (max 100% finansiranje od EC)
 - **Demonstracije i inovacije** (max do 70% – 100% za neprofitne organizacije)
 - **Kordinacija i podrška** (max 100% finansiranje od EC)

Struktura radnog programa

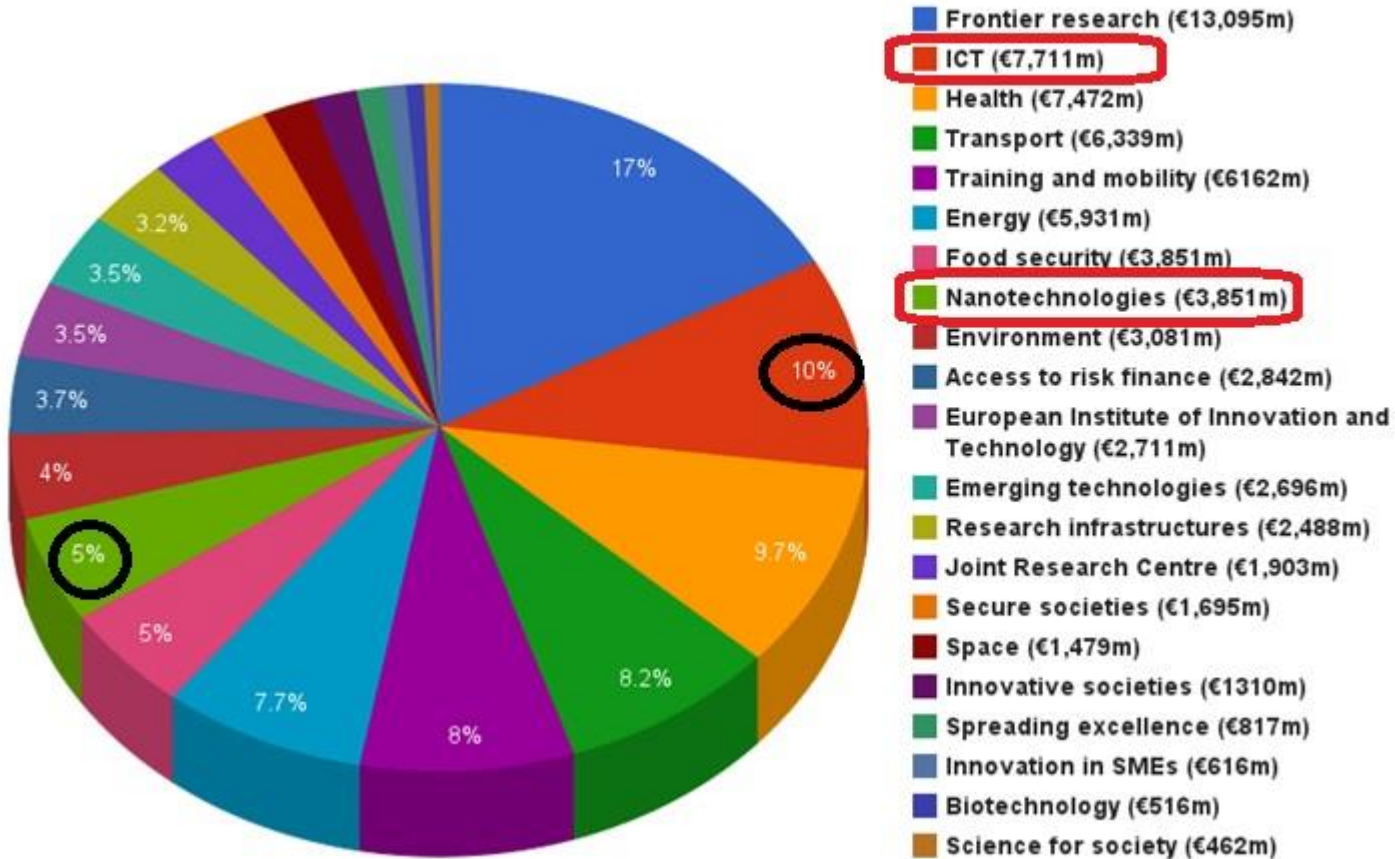
Opise tema čine sledeći delovi

- ▶ **Specific Challenges** – problem koji treba rešiti i kontekst
- ▶ **Scope** – smernice, granice u kojima se treba kretati, koje aktivnosti treba/ne treba izvoditi, koje aktere treba/ne treba uključiti, nivoi tehnološke spremnosti koje treba dostići i dr.
- ▶ **Expected Impact** – uticaj koji će projekat imati, rezultati koji se očekuju postići datom temom
- ▶ **Type of Action** – vrsta opšte aktivnosti u projektu koja određuje stopu finansiranja – istraživanje, inovacije, koordinacija i podrška i dr.

Posebni uslovi koji mogu biti navedeni:

- **Faze predaje projekta** – 1 ili 2 faze (projekti koji imaju 1 fazu predaju se celokupni do naznačenog roka; projekti koji imaju 2 faze – u prvoj fazi samo siže projekta, u slučaju da bude uspešno ocenjen, ceo projekat ulazi u drugu fazu evaluacije)
- **Saradnja sa Trećim zemljama** (zemlje van EU i pridruženih zemalja)
- **Nivoi tehnološke spremnosti (Technology Readiness Levels)**
- **Specifični zahtevi** – biznis plan, plan komercijalizacije, plan eksploatacije rezultata projekta...

Horizon 2020



Otvoreni pozivi u okviru akcije Informacione i komunikacione tehnologije

Call ID	Topics	Call Opens	Call Deadline	Budget (MEUR)
<u>H2020-ICT-2014-2</u>	<u>ICT-14-2014: Advanced 5G Network Infrastructure for the Future Internet</u>	11-12-2013	25-11-2014	125

Call ID	Topics	Call Opens	Call Deadline	Budget (MEUR)
<u>H2020-NMP-PILOTS-2015</u>	<p><u>MP-02-2015: Integration of novel nano materials into existing production lines</u></p> <p><u>NMP-03-2015: Manufacturing and control of nanoporous materials</u></p> <p><u>NMP-06-2015: Novel nanomatrices and nanocapsules</u></p> <p><u>NMP-07-2015: Additive manufacturing for tabletop nanofactories</u></p>	11-12-2013	26-03-2015	66
<u>H2020-NMP-GV-2014</u>	<p><u>NMP-17-2014: Post-lithium ion batteries for electric automotive applications</u></p>	11-12-2013	07-10-2014	16
<u>H2020-NMP-ERA-NET-2015</u>	<p><u>NMP-14-2015: ERA-NET on Materials (including Materials for Energy)</u></p>	11-12-2013	26-03-2015	10
<u>H2020-NMP-CSA-2015</u>	<p><u>NMP-32-2015: Societal engagement on responsible nanotechnology</u></p> <p><u>NMP-38-2015: Presidency events</u></p>	11-12-2013	26-03-2015	2.2
<u>H2020-NMP-2015-two-stage</u>	<p><u>NMP-11-2015: Nanomedicine therapy for cancer</u></p> <p><u>NMP-12-2015: Biomaterials for treatment and prevention of Alzheimer's disease</u></p> <p><u>NMP-15-2015: Materials innovations for optimisation of cooling in power plants</u></p> <p><u>NMP-16-2015: Extended in-service service of advanced functional materials in energy technologies (capture, conversion, storage and/or transmission of energy)</u></p> <p><u>NMP-19-2015: Materials for severe operating conditions, including added-value functionalities</u></p> <p><u>NMP-22-2015: Fibre-based materials for non-clothing applications</u></p> <p><u>NMP-23-2015: Novel materials by design for substituting critical materials</u></p> <p><u>NMP-24-2015: Low-energy solutions for drinking water production</u></p> <p><u>NMP-29-2015: Increasing the capacity to perform nano-safety assessment</u></p> <p><u>NMP-30-2015: Next generation tools for risk governance of nanomaterials</u></p>	11-12-2013	26-03-2015 08-09-2015	152

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Horizon 2020

Excellent Science
 European Research Council
 Future and Emerging Technologies
 Marie Skłodowska-Curie actions
 Research infrastructures

Industrial Leadership
 Leadership in enabling and industrial technologies (LEIT)
 Access to risk finance
 Innovation in SMEs

Type
 Proposal
 Tender

Status
 Open
 Closed
 Forthcoming

Filter a call FILTER

Filters only programme and call titles and IDs, for extended search go to the [Search Topics page](#).

Sort by Title Call Id Publication Date Deadline Date

Indirect actions EURATOM Fission NFRP-2014-2015 Deadlines: 17/09/2014 Pub.Date: 11/12/2013	Societal Challenges The Young Generation in an Innovative, Inclusive and Sustainable Europe H2020-YOUNG-SOCIETY-2015 Deadlines: 07/01/2015 Pub.Date: 11/12/2013	Societal Challenges The Young Generation in an Innovative, Inclusive and Sustainable Europe H2020-YOUNG-SOCIETY-2014 Deadlines: 03/06/2014 Pub.Date: 11/12/2013
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Spreading excellence and widening Spreading excellence and widening Societal Challenges

Ukupan broj otvorenih poziva: 105!

Industrial Leadership

Call for SILC II - Sustainable Industry Low Carbon II

H2020-SILC-II-2014

Deadlines: 02/09/2014

Pub.Date: 30/04/2014

Excellent Science

COFUND - Co-funding of Regional, National and International Programmes

H2020-MSCA-COFUND-2014

Deadlines: 02/10/2014

Pub.Date: 10/04/2014

Excellent Science

Individual Fellowships (IF)

H2020-MSCA-IF-2014

Deadlines: 11/09/2014

Pub.Date: 12/03/2014

Societal Challenges

MOBILITY for GROWTH 2014-2015

H2020-MG-2015_TwoStages

Deadlines: 31/03/2015

Pub.Date: 11/12/2013

Societal Challenges

MOBILITY for GROWTH 2014-2015

H2020-MG-2015-Singlestage-B

Deadlines: 27/08/2015

Pub.Date: 11/12/2013

Societal Challenges

MOBILITY for GROWTH 2014-2015

H2020-MG-2015_SingleStage-A

Deadlines: 31/03/2015

Pub.Date: 11/12/2013

Societal Challenges

MOBILITY for GROWTH 2014-2015

H2020-MG-2014_SingleStage_B

Deadlines: 28/08/2014

Pub.Date: 11/12/2013

Societal Challenges

GREEN VEHICLES 2015

H2020-GV-2015

Deadlines: 27/08/2015

Pub.Date: 11/12/2013

Societal Challenges

GREEN VEHICLES 2014

H2020-GV-2014

Deadlines: 28/08/2014

Pub.Date: 11/12/2013

Industrial Leadership

BIOTECHNOLOGY

H2020-LEIT-BIO-2015-1

Deadlines: 24/02/2015

Pub.Date: 11/12/2013

Industrial Leadership

Horizon 2020 dedicated SME Instrument - Phase 2 2014

H2020-SMEINST-2-2014

Deadlines: 09/10/2014 17/12/2014

Pub.Date: 11/12/2013

Societal Challenges

Water Innovation: Boosting its value for Europe

H2020-WATER-2015-two-stage

Deadlines: 16/10/2014

Pub.Date: 11/12/2013

Societal Challenges

Water Innovation: Boosting its value for Europe

H2020-WATER-2015-one-stage

Deadlines: 10/03/2015

Pub.Date: 11/12/2013

Industrial Leadership

Horizon 2020 dedicated SME Instrument - Phase 2 2015

H2020-SMEINST-2-2015

Deadlines: 18/03/2015 17/06/2015
17/09/2015 16/12/2015

Pub.Date: 11/12/2013

Industrial Leadership

Horizon 2020 dedicated SME Instrument - Phase 1 2015

H2020-SMEINST-1-2015

Deadlines: 18/03/2015 17/06/2015
17/09/2015 16/12/2015

Pub.Date: 11/12/2013

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Other Funding Opportunities

CALL FOR NANOTECHNOLOGIES, ADVANCED MATERIALS AND PRODUCTION

H2020-NMP-PILOTS-2015 Sub call of: [H2020-NMP-2014-2015](#)

Publication date	2013-12-11	Deadline Date	2015-03-26 +17:00:00 (Brussels local time)
Budget	€66,000,000	Main Pillar	Industrial Leadership
Status	Open	OJ reference	OJ C361 of 11 December 2013

Call description [Call documents](#) [Get support](#) [Subscribe to Notifications](#)

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- [2014-05-27 11:37:15](#)

The Work Programme for Leadership in Enabling and Industrial Technologies, "Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing" has been revised on 29 April 2014.

See the revised Work Programme in "Call documents" or click [here](#).

- [2014-05-02 09:14:27](#)

Clarification for NMP+B project proposers and evaluators on "Business Plan" and "Synergies with ESIF" - See "Call Documents"

- [2014-04-02 10:58:58](#)

Important message on the Budget for the proposal :

In the administrative forms (Part A of the proposal) – Form "3. Budget for the Proposal" ; Column K (Requested grant) is NOT filled in automatically with the value of column J (Max. grant). Coordinators should indicate the grant requested by each participant in Column (K).

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In H2020, a proposal is submitted to a specific topic. The full set of information for preparing a proposal for a topic (eligibility and evaluation conditions, proposal templates, evaluation forms, etc.) is available on the topic conditions page. Select a topic from the call description page or go to [Search Topics](#).






[Download all documents](#)
(EN only, incl. the additional docs.)

- [Legal basis - Specific Programme H2020 en](#)
- [WP H2020 - 1. Introduction en](#)
- [WP H2020 - draft corrigendum en](#)
- [WP H2020 - 5. Introduction to Leadership in enabling and industrial technologies \(LEITs\) en](#)
- [WP H2020 - 5ii. Nanotechnologies, advanced materials, advanced manufacturing and processing, biotechnology en](#)
- [Legal basis - Framework Programme H2020 en](#)
- [Legal basis - Rules for Participation en](#)
- [WP H2020 - 18. General Annexes en](#)
- [Clarification Business Plan and Synergies ESIF en](#)



Name	Type	Modified	Size
1595116-h2020-eu-establact-oj_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	1,607,893
1597683-part_01_introduction_v1.1_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	513,427
1587757-05_leit-5_intro_wp_2014-2015_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	571,516
1605114-clarification_business_plan_and_synergies_esif_20march14_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	77,046
1595113-h2020-rules-participation_oj_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	1,274,011
1607603-h2020-wp1415-leit-nmp_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	1,343,591
1597669-draft_corrigendum_h2020_wp_pp_feb_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	184,252
1595115-h2020-sp-oj_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	1,360,406
1597678-part_18_general_annexes_incl_corr_en.pdf	Adobe Acrobat 7.0 Document	5/27/2014 11:37 AM	872,887

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Topics and submission service

- [NMP-02-2015: Integration of novel nano materials into existing production lines](#)
- [NMP-03-2015: Manufacturing and control of nanoporous materials](#)
- [NMP-06-2015: Novel nanomaterials and nanocapsules](#)
- [NMP-07-2015: Additive manufacturing for tabletop nanofactories](#)

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Call for Nanotechnologies, Advanced Materials and Production

H2020-NMP-PILOTS-2015		Sub call of: H2020-NMP-2014-2015	
Publication date	2013-12-11	Deadline Date	2015-03-26 17:00:00 (Brussels local time)
Total Call Budget	€66,000,000	Main Pillar	Industrial Leadership
Status	Open	OJ reference	OJ C361 of 11 December 2013

Topic: Manufacturing and control of nanoporous materials **NMP-03-2015**

Topic Description | Topic Conditions & Documents | Submission Service

For reference documents applying to the entire call for proposals, please see [here](#)

Please read carefully all provisions below before the preparation of your application.

- List of countries and applicable rules for funding:** described in [part A of the General Annexes](#) of the General Work Programme.
- Eligibility and admissibility conditions:** described in [part B](#) and [C of the General Annexes](#) of the General Work Programme, with the following exceptions:

Proposals for Research & Innovation and for Innovation Actions should include an outline of the initial exploitation and business plans, which will be developed further in the proposed project.

For topics NMP 1, 2, 3, 4, 5, 8, 13, 18, 21, 24, these initial plans may address private funds, or assess synergies and possible cumulative funding with relevant national / regional research and innovation programmes and/or European Structural and Investment Funds related to smart specialisation strategies. For this purpose the tools provided by the Smart Specialization Platform, Eye@RIS3 may be useful. The results of these activities as well as the envisaged further activities in this respect should be described in the final report of the project.

3. Evaluation

3.1 Evaluation criteria and procedure, scoring and threshold: described in [part H of the General Annexes](#) of the General Work Programme, with the following exceptions:

For single-stage and second-stage evaluations, the threshold for the criteria Excellence and Impact will be 4. The overall threshold, applying to the sum of the three individual scores, will be 12.

In case of equal overall scores in the ranked list, the priority order of proposals will be established in

Topics: Manufacturing and control nanoporous materials NMP-03-2015

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NMP-03-2015

ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2530-nmp-03-2015.html

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Topic Description Topic Conditions & Documents Submission Service

Specific challenge: There is a constantly growing interest in nanostructured porous materials, thanks to the many applications that can benefit from controlled porosity at the nanoscale. Nanoporous materials can have many kinds of pore geometries, structures and chemical compositions and possess unique surface, structural, and bulk properties that underline their important uses in various fields. While various methods are available for creating nanoporous materials in a laboratory environment, scaling-up and meeting the industrial demands in terms of quality and costs remain a challenge.

Scope: Proposals should address the development and demonstration in relevant industrial environments of reliable processes control and manufacturing routes, to obtain nanoporous materials with controlled porosity distribution or gradient aiming at improved mechanical properties, reliable permeation rate, different electrical properties, anti-fouling or other bio-, photo- or thermo-chemical/physical properties.

Proposals should demonstrate the effectiveness of the developed approaches and technologies, through a pilot line aimed at the production of semi-finished products. The process and the material proposed should support and reflect developing guidance and standards relating to nanomaterials aspects.

For this topic, proposals should include an outline of the initial exploitation and business plans. Wherever possible, proposers could actively seek synergies, including possibilities for cumulative funding, with relevant national / regional research and innovation programmes and/or European Structural and Investment Funds in connection with smart specialisation strategies. Exploitation plans, outline financial arrangements and any follow-up should be developed during the project.

The implementation of this proposal is intended to start at TRL 4-5, target TRL 6. Implemented as cross-KET activities.

The Commission considers that proposals requesting a contribution from the EU between EUR 5 and 8 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact:

- Supporting European competitiveness through accelerated market uptake of nanoporous materials in one or more of the following application fields: transport; energy; construction and building; biomedical; catalysis; sensors; filtration, purification and chromatography; This non-exhaustive list does not preclude submission and selection of proposals addressing other application fields;
- Improvement in cost-effectiveness and sustainability of nanoporous materials with a verified market viability of the pilot line;
- New market opportunities through introduction of novel products enabled by nanoporous materials;
- Demonstrated scaling-up of production of nanoporous materials, leading to higher production volumes, improved reliability and repeatability of products with lower production cost;
- Improvement in technical knowledge concerning manufacturing processes of nano porous structuring of materials with innovative methods and solutions.

Thursday, June 05, 2014

start

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anti-fouling or other bio-, photo- or thermo-chemical/physical properties.

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- Demonstrated scaling-up of production of nanoporous materials, leading to higher production volumes, improved reliability and repeatability of products with lower production cost;
- Improvement in technical knowledge concerning manufacturing processes of nano porous structuring of materials with innovative methods and solutions.
- Contribution to on-going and future standardisation work in the field[1]
- Promoting safe-by-design approaches in collaboration with the EU nano-safety cluster and contributing towards the framework of EU nanosafety and regulatory strategies[2].

Type of action: Innovation Actions

[1] See Mandate M/461 addressed by the European Commission to CEN/CENELEC and ETSI. <http://www.cen.eu/cen/Sectors/Sectors/Nanotechnologies/Documents/M461.pdf>

[2] EU Nano-safety strategy 2015-2020 and NanoReg project

Kriterijumi ocenjivanja se primenjuju na sledeći način:

Type of action	Excellence The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme.	Impact The extent to which the outputs of the project should contribute at the European and/or International level to:	Quality and efficiency of the implementation The following aspects will be taken into account:
All types of action	<p>Clarity and pertinence of the objectives;</p> <p>Credibility of the proposed approach.</p>	The expected impacts listed in the work programme under the relevant topic	<p>Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources;</p> <p>Complementarity of the participants within the consortium (when relevant);</p> <p>Appropriateness of the management structures</p>

A new generation of components and systems

- ▶ **ICT 1 – 2014: Smart Cyber–Physical Systems**
- ▶ **ICT 2 – 2014: Smart System Integration**
- ▶ **ICT 3 – 2014: Advanced Thin, Organic and Large Area Electronics (TOLAE) technologies**

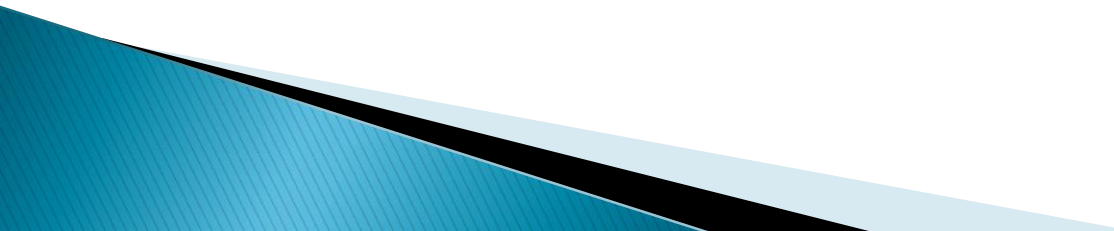
ICT 3 – 2014: Advanced Thin, Organic and Large Area Electronics (TOLAE) technologies

Specifični izazov: TOLAE je tehnologija u razvoju i predstavlja osnov za napredne proizvode u oblasti elektronike koje su tanki, lagani, fleksibilni i/ili rastegljivi, pogodni za velike tržišne sektore, kao što su tekstilna industrija, automobilska, zdravstvo, papirna industrija, plastika i građevinska industrije.

Obim:

- a. Istraživačke i inovativne akcije
- b. Inovativne akcije
- c. Tehnologija Take-up i podrška inovativnim akcijama
- d. Podrška za inovacije kroz pre-komercijalne akcije

Micro- and nano-electronic technologies, Photonics

- ▶ **ICT 25 – 2015: Generic micro- and nano-electronic technologies**
 - ▶ **ICT 26 – 2014: Photonics KET**
 - ▶ **ICT 29 – 2014 Development of novel materials and systems for OLED lighting**
- 

Hvala Vam na pažnji!

rmilan@uns.ac.rs