





Competitiveness Operational Programme

2014 - 2020

Svetlana GOMBOS

General Director General Directorate for Competitiveness

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- Competitiveness Operational Programme is designed on the relevant European policy documents and based on relevant national strategic documents:
 - National Strategy for Research, Development and Innovation 2014-2020;
 - National Strategy on Digital Agenda for Romania 2014-2020;
 - National Infrastructure Development Plan NGN (Next Generation Network);
- General Objective of the COP is to contribute to the overall objective of the Partnership Agreement by supporting R & D and ICT for competitiveness and development;

COP Structure







☐ COP supports the following priority axes from ERDF:

- Priority Axis 1: Research, development and innovation supporting economic competitiveness and the development of business
 - > Total budget: 952,571,099 euros (60 % from COP)
- 716,309,236 Euros for less developed regions (from which 43,884,366 Euros performance reserve)
- 236,261,863 Euros for more developed regions (from which 14,322,208 Euros performance reserve)
- Priority Axis 2: Information and communication technology (ICT) for a competitive digital economy
 - > Total budget: 630,199,748 euros (40 % from COP)
- 555,101,935 Euros for less developed regions (from which 34,008,072 Euros performance reserve)
- 75,097,813 Euros for more developed regions (from which 4,552,434 Euros performance reserve)







The financial impact of major and non- major projects on COP 2014-2020







The financial impact of major and non-major projects

- ➤ COP 2014-2020 is financing the Phase II of the major projects, which initially started by SOP IEC 2007-2013, ELI NP and RO –NET;
 - ➤ The project ELI NP is financed through Priority Axis 1: Research, development and innovation Action 1.1.1: Major RD infrastructure;
 - ➤ The project RO-NET is financed through Priority Axis 2: Information and communication technology Action 2.1.1 Improvement of broadband infrastructure and internet access;
- By Action 1.1.1: Major RD infrastructure, Priority Axis 1 is financed the phase II for non major projects for Academy of Medical Sciences and the West University of Timisoara.
- ➤ By Action 2.3.1: Strengthening and ensuring the interoperability of the IT systems dedicated to type 2.0 e-government services focused on the citizens and businesses life events, governmental cloud computing development and social media communication, Open Data and Big Data, Priority Axis 2 is financed the phase II for non major projects for Digital Agenda for Romania and National Agency for Cadastre and Land Registration

The financial impact of major and non- major projects







No.	Project title	Beneficiary	Current Operational Programme	Operational Programme	Total amount	Phase I 2007 - 2013	Phase II 2014 - 2020
NO.				on which is phased	approved (Euro)	Total Value (Euro)	Total value (Euro)
	MAJOR PROJECTS						
1	Extreme Light Infrastructure – Nuclear Physics (ELI- NP)	National Institute of research and development in Physics and Nuclear Engineering "Horia Hulubei"	SOP IEC	COP	310,946,690.00	136,429,782.00	174,516,908.00
2	RO-NET: "Building a national broadband infrastructure in disadvantaged areas, by using structural funds"	MCSI	SOP IEC	СОР	69,050,154.00	15,191,647.81	53,858,506.19
		TOTAL			379,996,844.00	151,621,429.81	228,375,414.19

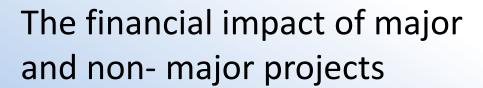
The financial impact of major and non- major projects







No.	Project title	Beneficiar y	Current Operational Programme	Operational Programme on which is phased	Total amount approved (Euro)	Phase I 2007 - 2013 Total amount (Euro)	Phase II 2014 -2020 Total amount (Euro)
	NON – MAJOR PROJECTS – ESTIMATED VALUE						
1	Development of public infrastructure for research, development and creation of new infrastructure	of Medical	SOP IEC	СОР	24,975,489.33	11,884,237.12	13,091,252.21
2	Advanced Environmental Research Institute	West University of Timiosoara	SOP IEC	СОР	10,879,675.55	2,461,424.78	8,418,250.77
		PA 1			35,855,164.88	14,345,661.90	21,509,502.98









Γ								Phase I 2007 - 2013
No. Project		Project t	itle	Beneficiary	Current Operational Programme	Operational Programme on which is phased	Total amount approved (Euro)	Total amount (Euro)
3	3	Collaborative Informatic System for generating a performant acquisition environment	Digital Agenda for Romania	SOP IEC	СОР	6,336,883.00	4,481,123.00	1,855,760.00
	4	Updating the collection, evaluation, analysis and reporting of national agricultural register's data using IT&C information technology	National Agency for Cadastre and Land Registration	SOP IEC	СОР	7,933,014.00	337,080.00	4,595,934.00
	PA 2			14,269,897.00	4,818,203.00	6,451,694.00		
	TOTAL					430,121,905.88	170,785,294.71	256,336,611.17







Priority Axis 1:

Research, development and innovation supporting economic competitiveness and the development of business







Funded areas by PA 1

Priority Axis 1 will support smart specialization priorities identified by National Strategy for Research, Development and Innovation.

COP will support research, development and innovation in:

- Bio-economy;
- Information and communication technologies, space and security;
- Energy, environment and climate change;
- Eco-Nano-Technologies and advanced materials.

In addition, COP will support RDI in the **health field**, identified as national priority in National Strategy for Research, Development and Innovation.







Investment priority and actions

Investment priority 1a - Enhancing research and innovation (R&I) infrastructure and capacities to develop R&I excellence, and promoting centres of competence, in particular those of European interest

- Action 1.1.1: Major RD infrastructure;
- Action 1.1.2: Networking of RD centres, coordinated at national level and connected at European and international networks and ensuring access for researchers to scientific publications and European and international databases;
- Action 1.1.3: Creating synergies with the EU Horizon 2020 framework programme RDI actions and other RDI international programmes;
- Action 1.1.4: Advanced attracting skilled personnel abroad for strengthening R & D capacity.







Investment priority and actions

Investment priority 1b - Promoting business investment in R &I, developing links and synergies between enterprises, research and development centres and the higher education sector, in particular promoting investment in product and service development, technology transfer, social innovation, eco-innovation, public service applications, demand stimulation, networking, clusters and open innovation through smart specialisation, and supporting technological and applied research, pilot lines, early product validation actions, advanced manufacturing capabilities and first production, in particular in key enabling technologies and diffusion of general purpose technologies.

- ➤ Action 1.2.1: Stimulating enterprises demand for innovation through RDI projects carried out by enterprises individually or in partnership with RD institutes and universities, in order to innovate the processes and the products in the economic sectors with growth potential;
- ➤ Action 1.2.2: Lending instruments and risk capital measures in favour of innovative SMEs and research organisations that meet market demands;
- > Action 1.2.3: Knowledge Transfer Partnerships.







Financial allocation on actions

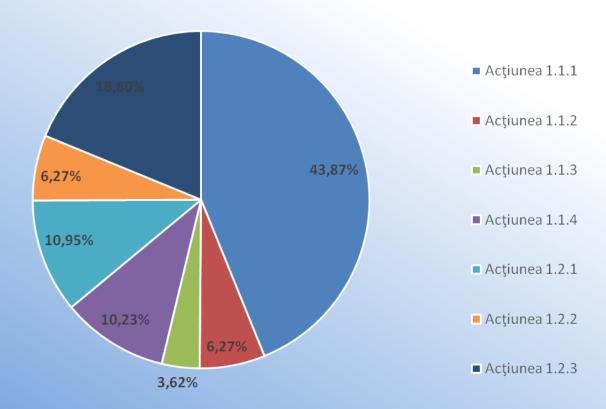
Actions	Value (euros)				
Actions	ERDF	ERDF+BS			
Action 1.1.1	350,000,000	417,795,000			
Action 1.1.2	50,000,000	59,685,000			
Action 1.1.3	28,885,196	34,617,300			
Action 1.1.4	81,602,997	94,052,863			
Action 1.2.1	87,384,147	107,980,935			
Action 1.2.2	50,000,000	59,385,000			
Action 1.2.3	150,000,000	179,055,000			
TOTAL	797,872,340	952,571,099			







Financial allocation on actions









Action 1.1.1 Major RD infrastructure – Type of project: investment projects for the enterprises RD departments – Section A

Total allocated budget: 53,716,500 euro

Budget Call 2015: 29,842,500 euros

Call for proposals launch date 2015: June 27, 2015 – Closing date 2015: August 18, 2015

Budget Call 2016: 23,874,000 euro

Estimated launch date for call: October 2016









In Section A:

≫39 projects have been submitted with a total requested budget of Non-rambursable Financial Aid (NFA) (ERDF + BS) of 132.7 mil. Euro, representing approximately 444 % highly over the 2015 estimated budget;

Scientific and technical evaluation has been conducted by a panel composed of three Romanian external evaluators (2 scientific evaluators form the field of Smart Specialization and a technical evaluator) electronically selected and distributed by the UEFISCDI evaluator's database;

Following evaluation, 30 projects met the criteria for evaluation and selection phase, reaching a NFA budget (ERDF + BS) of 109.6 mil . EUR, representing 367 % of the budget allocated in 2015;

On 03.08.2016, it was published the list of projects selected for funding;

▶12 projects were selected.







Action 1.1.1 Major RD infrastructure – Type of project: Projects for innovative cluster – Section B

Objective: In order to stimulate innovation, the action targets the innovation clusters development in order to promote the joint use of equipment, exchange and knowledge transfer, networking, information dissemination and collaboration among the enterprises and other organisations from the cluster.

Total allocated budget: 53,716,500 euro

Budget Call 2015: 35,811,000 euro

Call for proposals launch date 2015: June 27, 2015 - Closing date 2015: August 18, 2015

Budget Call 2016: 17,905,500 euro (plus the amount after the call in 2015) = 38,392,857 euro

Estimated launch date for call: September 2016







In Section B

>8 projects have been submitted with a total requested budget of Non-rambursable Financial Aid (NFA) (ERDF + BS) of 16.8 mil. EUR, representing approximately 47 % of budget 2015;

Scientific and technical evaluation has been conducted by a panel composed of three Romanian external evaluators (2 scientific evaluators form the field of Smart Specialization and a technical evaluator) electronically selected and distributed by the UEFISCDI evaluator's database;

➤ Following evaluation, 7 projects met the criteria for evaluation and selection phase, reaching a NFA budget (ERDF + BS) of 15.8 mil. EUR;

- ►On 03.07.2016, it was published the list of projects selected for funding;
- Seven projects were selected for funding.







Action 1.1.1 Major RD infrastructure – Type project: Investment projects for RD public institutions /universities – Section F

Total allocated budget: 155,181,000 euro

Budget Call 2015: 83,559,000 euro

Call for proposals launch date 2015: June 27, 2015 - Closing date 2015: August 25, 2015

Budget Call 2016: 51,730,374 euro

Estimated launch date for call: November 2016









In Section F:

▶111 projects have been submitted with a total requested budget of Non-rambursable Financial Aid (NFA) (ERDF + BS) of 910.7 mil. EUR, representing 1091 % of budget 2015;

Scientific and technical evaluation has been conducted by a panel composed of three Romanian external evaluators (2 scientific evaluators form the field of Smart Specialization and a technical evaluator) electronically selected and distributed by the UEFISCDI evaluator's database;

Following the evaluation, a number of 86 projects met the criteria for evaluation and selection phase, reaching a NFA budget (ERDF + BS) of 737.2 mil. EUR representing 883 % of budget 2015;

№ On 04.28.2016, it was published the list of projects selected for funding;

P projects were selected for funding.







Action 1.1.2: Networking of RD centres, coordinated at national level and connected at European and international networks and ensuring access for researchers to scientific publications and European and international databases

Types of projects:

>GRID projects

Project for further development of RoEduNet

Project to continue ensuring the access to international scientific research literature

Total budget: 17,905,500 euro

Estimated launch date for call: September 2016







Action 1.1.2: Networking of RD centres, coordinated at national level and connected at European and international networks and ensuring access for researchers to scientific publications and European and international databases

Types of projects: ensuring the access to international scientific research literature

Total allocated budget: 41,779,500 euro

Estimated launch date for call: June 2016







Action 1.1.3: Creating synergies with the EU Horizon 2020 framework programme RDI actions and other RDI international programmes

Objective: This action contributes to the development of a common strategic perspective, in order to ensure the strengthening, coordination and complementarity between COP, financed through ERDF and the EU framework programme Horizon 2020, in order to unlock the excellency potential at national level in RDI field and to increase the funding impact

Types of project: Public and/or private research organisations, large companies or SMEs wanting to apply and/or have a consistent participation in the EU research framework programmes or other international RDI programmes .

Total allocated budget: 34,617,300 euro

Estimated launch date for call: June 2016







Action 1.1.4 Advanced attracting skilled personnel abroad for strengthening R & D capacity – Type of project: R&D projects for attracting high level personnel from abroad – Section E

Objective: This action aims creating scientific and/or technological competence hubs at European standards within R&D institution, university or host enterprises, and attracting specialists from abroad, of any nationality, with recognised competence.

The projects will be run by a specialist from abroad, who will be recruited by the host institution as scientific researcher for at least the lifetime of the project. The action will aim to build RDI capacity for the preparation of the Horizon 2020 participation.

Total allocated budget: 97,405,920 euro

Budget call 2015: 97,405,920 euro

Estimated launch date for call 2015: June 27, 2015 – Closing date 2015: September 1, 2015







In Section E:

≥204 projects have been submitted with a total requested budget of Non-rambursable Financial Aid (NFA) (ERDF + BS) of 377.3 mil. Euro, representing 387 % of budget call 2015;

Scientific technical evaluation has been conducted by a panel composed of three foreign evaluators (2 scientific evaluators from the field of Smart Specialization and a technical evaluator) selected from the database of scientific evaluators of DG Research COM.

Following evaluation, 137 projects met the criteria for evaluation and selection phase, reaching a NFA budget (ERDF + BS) of 263.4 mil. EUR, representing 270 % of budget 2015;

On 04.28.2016, it was published the list of projects selected for funding;

≯3 projects were selected.







Action 1.2.1. Stimulating enterpises demand for innovation through RDI projects carried out by enterpises individually or in partnership with RD institutes and universities, in order to innovate the processes and the products in the economic sectors with growth potential – Type of project: innovation entreprises by type start-up and spin-off – Section C

Objective: This action aims to encourage private investment in RDI by increasing the number of businesses that follow the introduction of innovation in their own activity through projects that develop new products and/or processes or substantially improved ones, for their production and commercialising, based on research or industrial property rights.

Total allocated budget: 17,905,500 euro

Budget call 2015: 17,905,500 euro

Proposal launch date 2015: June 27, 2015







In Section C:

- In phase I, 44 projects have been submitted with a total requested budget of Non-rambursable Financial Aid (ERDF + BS) of 7.5 mil. EUR, representing 42 % of budget call 2015;
- Scientific and technical evaluation has been conducted by a panel composed of three Romanian evaluators (2 scientific evaluators from the field of smart specialization and a technical evaluator), electronically selected and distributed by the UEFISCDI evaluator's database;
- On 18.12.2015, it was published the list of projects selected for funding Phase I;
- 16 projects were selected for funding with a budget of 2.9 Mil. EUR, representing 17 % of a total budget of 17.9 Mil Euro;
- For phase II , 11 projects are in the evaluation and selection phase.







Action 1.2.1: Stimulating enterprises demand for innovation through RDI projects carried out by enterprises individually or in partnership with RD institutes and universities, in order to innovate the processes and the products in the economic sectors with growth potential – Type of project: Innovative technological projects, which will achieve a product innovation (both for goods and services), or a process innovation – Section D

Objective: This action aims to encourage private investment in RDI by increasing the number of businesses that follow the introduction of innovation in their own activity through projects that develop new products and/or processes or substantially improved ones, for their production and commercialising, based on research or industrial property rights.

Total allocated budget: 23,874,000 euro

Call for proposal budget 2015: 23,874,000 euro

Call for proposals launch date 2015: June 27, 2015 – Closing date 2015: August 18, 2016







In Section D:

>65 projects have been submitted with a total requested budget of Non-rambursable Financial Aid (ERDF+BS) of 73,5 mil. EUR, representing approximately 309% highly over the 2015 estimated budget;

Scientific and technical evaluation has been conducted by a panel composed of three Romanian external evaluators (2 scientific evaluators from the field of Smart Specialization and a technical evaluator) electronically selected and distributed by the UEFISCDI evaluator's database;

Following evaluation, 36 projects met the criteria for evaluation and selection phase, reaching a NFA budget of 41 mil. EUR, representing 172% of the budget allocated in 2015;

№0n 08.03.2016, it was published the list of projects selected for funding;

>22 projects were selected.







Action 1.2.2: Lending instruments and risk capital measures in favour of innovative SMEs and research organisations that meet market demands

Objective:

Squarantees or subsidised interest loans and risk sharing for innovative SMEs and research organisation

>Seed stage for innovative ideas;

Portfolio Risk Sharing Loan for innovative SMEs and research organisation;

Total allocated buget: 59,385,000 euro

Budget Call 2016: 59,385,000 euro

Estimated launch date for call: November 2016









Action 1.2.1: Stimulating enterprises demand for innovation through RDI projects carried out by enterprises individually or in partnership with RD institutes and universities, in order to innovate the processes and the products in the economic sectors with growth potential - Innovative technological projects

Types of projects:

innovative technological projects which will achieve a product innovation (both for goods and services) or a process innovation based on the exploitation and use of scientific and technological knowledge or based on the industrial property rights, own or purchased.

Total allocated budget: 62,848,379 euro

Budget call 2016: 62,848,379 euro

Estimated launch date for call: September 2016







Action 1.2.3 Knowledge Transfer Partnerships — Type of project: Partnership for Knowledge Transfer — Section G

Objectives:

to foster the interaction of higher education institutions and RD institutions with business environment;

to constitute a partnerships between research organisations and enterprises/groups of enterprises interested to acquire knowledge, including skills and competences that will meet the businesses strategic development needs and will provide innovative solutions to obtain products and processes, new/improved technologies identified by enterprises as demanded by the market.

Total allocated budget: 179,055,000 euro

Budget Call 2015: 107,433,000 euro

Call for proposals launch date 2015: June 27, 2015 – Closing date 2015: August 11, 2015

Budget call 2016: 71,622,000 euro

Estimated launch date for call: November 2016







In Section G:

▶75 projects have been submitted with a total requested budget of Non-rambursable Financial Aid (NFA) (ERDF + BS) of 164.1 mil. Euro, representing 153 % highly over the 2015 estimated budget;

Scientific and technical evaluation has been conducted by a panel composed of three Romanian external evaluators (2 scientific evaluators from the field of Smart Specialization and a technical evaluator), electronically selected and distributed by the UEFISCDI evaluator's database;

Following the evaluation, a number of 56 projects met the criteria for evaluation and selection phase, reaching a NFA budget (ERDF + BS) of 125.9 mil. EUR, representing 117% of the budget allocated in 2015;

n 03.08.2016, it was published the list of projects selected for funding;

>47 projects were selected.







Priority Axis 2:

Information and communication technology (ICT) for a competitive digital economy









Priority Axis 2 supports four main areas for development of Information and Communication Technology (ICT):

- E-government, interoperability, networks and IT systems security, cloud computing and social networks;
- Fast and ultra-fast broadband infrastructure;
- > ICT for education, inclusion, health and culture;
- > E-commerce clusters and developing innovation through ICT.

Investment priority and actions







Investment priority 2a - Extending broadband deployment and the roll-out of high-speed networks and supporting the adoption of emerging technologies and networks for the digital economy

Action 2.1.1: Improvement of broadband infrastructure and internet access

Investment priority 2b - Developing ICT products and services, e-commerce and enhancing demand for ICT

Action 2.2.1: Supporting growth of value added of the ICT sector and through the development of innovation clusters in the sector

Action 2.2.2: Support for the use of ICT for business development, in particular for e-commerce

Investment priority 2c - Strengthening ICT applications for e-government, e-learning, e-inclusion, e-culture and e-health

Action 2.3.1: Strengthening and ensuring the interoperability of the IT systems dedicated to type 2.0 e-government services focused on the citizens and businesses life events, governmental cloud computing development and social media communication, Open Data and Big Data

Action 2.3.2: Ensuring ICT systems and computer networks cybersecurity

Action 2.3.3: Improving ICT infrastructure and digital content in the field of systemic e-education, e-culture, e-health and E-inclusion







Financial allocation on actions

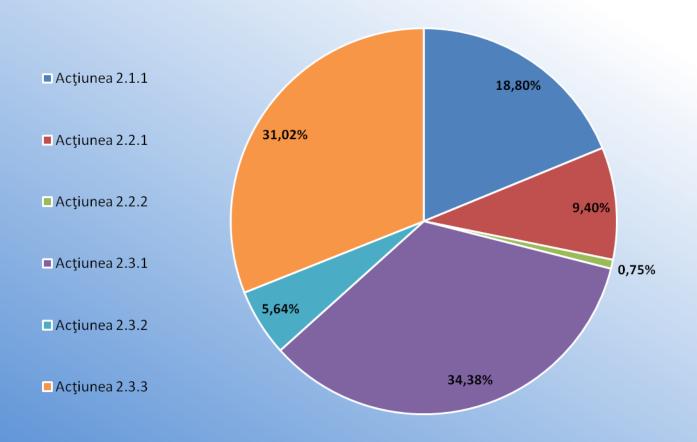
Actions	Value (euros)				
Actions	ERDF	ERDF+BS			
Action 2.1.1	100,000,000	117,647,059			
Action 2.2.1	50,000,000	59,730,801			
Action 2.2.2	4,000,000	4,742,648			
Action 2.3.1	182,914,894	216,875,196			
Action 2.3.2	30,000,000	35,569,853			
Action 2.3.3	165,000,000	195,634,191			
TOTAL	481,914,894	630,199,748			







Percentage allocation on Actions









Action 2.1.1 - Improvement of broadband infrastructure and internet access

Objective:

The general objective of a such measures is to ensure the development of the infrastructure and the access to allow the use of ICT services.

Total budget: 64,608,158 euros

Estimated launch date for call: December 2016

Beneficiaries: The central public authority with responsibilities in the field of ICT

To launch the call for projects therea are in analysis the types of intervention provided by the World Bank report, which can be consulted on the website: http://www.comunicatii.gov.ro/ghiduri/.







Action 2.2.1: Supporting growth of value added of the ICT sector and through the development of innovation clusters in the sector

Objective:

►Increase the contribution of ICT to economic competitiveness

Creating product / service innovative ICT

Total allocated budget: 59,730,801 euro

Call for proposals launch date 2015: November 2, 2015 - Closing date: February 29, 2016

Beneficiaries: Enterprises, enterprises consortia within the clusters centred on ICT

The call was closed on February 29, 2016, receiving the 220 projects that are in the evaluation phase. The total value of projects submitted is approximately 116 million euros.









Acțiunea 2.2.2: Support for the use of ICT for business development, in particular for e-commerce

Objective: Increasing online transactions (at 30 % of the population in 2023);

- Developing the necessary infrastructure of the monitoring process of online transactions;
- Providing trusted certificates for the online stores through market support certification bodies.

Total allocated budget: 4,742,648 euro

Estimated launch date for call: September 2017

Beneficiaries: Central government body with responsibility in the field of ICT and other public authorities responsible for Regulation in the field of communications, consumer protection, the supervision of the personal data processing.







Action 2.3.1: Strengthening and ensuring the interoperability of the IT systems dedicated to type 2.0 e-government services focused on the citizens and businesses life events, governmental cloud computing development and social media communication, Open Data and Big Data

Objective:

∀*ncreasing the use of e-Government systems'*

Total allocated budget: 210,423,501 euro

Call for proposals launch date Section BIG DATA: June 2016

Call for proposals launch date Section LIFE EVENTS and OPEN DATA: August 2016

Call for proposals launch date Section governmental CLOUD: December 2016

Beneficiaries: Central government body which manages/coordinate public services that target the 36 predefined life events, including partnerships between these public institutions.







Action 2.3.2: Ensuring ICT systems and computer networks cybersecurity

Objective:

Increasing Internet's use degree. This action involves the increase of the cyber infrastructure resistance, consisting in IT systems, associated applications, networks and services electronic communications, through the implementation of technical solutions for their protection and establishing and operationalising the national cyber-security security system.

Total allocated budget: 35,569,853 euro

Call for proposals launch date: July 2016

Beneficiaries: CERT Entities, central public authorities with responsibilities in the field of cyber security









Action 2.3.3. "Improving ICT infrastructure and digital content in the field of systemic e-education,

e-culture, e-health and E- inclusion "

Objective: Increasing Internet's use degree

Æ-education - The ICT interventions in education aim:

- E-Learning Platform , including Virtual School Library;
- the development / use at national level of the electronic catalogue as well other national programmes;
- Improving Internet access by implementing wireless campus, with priority in the secondary schools.

Æ-Inclusion − aims the implementation of the Public Internet Access Points (PAPI) in the disadvantaged communities, selected according to criteria linked to the disadvantage of given by the geographical location, poor economic conditions, absence or limited access to resources and Internet communications, such as digital skills of population

Æ-Health − aims the necessary infrastructure for the implementation of health information system and telemedicine, development of an integrated IT system for e-Health follows the development/strengthening actions of existing information systems and enhancing their interoperability.

X-Culture - the necessary infrastructure interventions for :

- a) Implementation of advanced and user-friendly digitisation tools (culturalia.ro platform ,controlled vocabulary, specific exposure applications on mobile devices)
- b) Digitisation and online exposure of analogue cultural products
- c) Maximising the volume of digitised cultural material for the contribution to European Union.

Total allocated budget: 195,634,191 euro

Call for proposals launch date for e-culture, e-Health, e-education: August 2016

Estimated launch date for e-inclusion: Semester II 2017

Beneficiaries: Central government bodies with responsibilities in the fields of education, culture, health and

IT&C







Thank you for your attention!

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