



Overview of ICT priorities in the EECA region

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Objectives & Methodology

- Identification of EECA ICT Research Priorities in relation to HORIZON 2020 LEIT and Social Challenges Topics
- Mapping of EECA national Innovation Policies
- Identification of International Cooperation current status (both among EECA countries and between EU and EECA)

Cross – check H2020 priorities with

- EECA Priorities stemming from societal needs
- EECA Priorities stemming from Industrial Needs
- EECA Priorities set forth by the Administrations



Listing of EECA ICT Research Priorities in relation to HORIZON 2020 LEIT and Social Challenges topics

ICT priorities in 'Leadership in Enabling and Industrial Technologies' Topics

Topics – area / Countries	AM	AZ	BY	GE	KZ	KG	MD	RU	UA	UZ
Future Internet										
Advanced Cloud Infrastructures and Services	X	X	X	X	X		X	X		X
Tools and Methods for Software Development		X	X		X				X	
Content technologies and information management										
Big data – research	X	X	X					X	X	
Technologies for better human learning and teaching	X	X	X	X	X	X	X		X	X
Micro- and Nano-electronic technologies, Photonics										
Generic micro- and Nano-electronic technologies			X	X				X	X	
ICT Cross-Cutting Activities										
Cyber security, Trustworthy ICT	X	X	X	X	X			X		
Factories of the Future										
ICT-enabled modeling, simulation, analytics and forecasting technologies			X			X		X	X	



Listing of EECA ICT Research Priorities in relation to HORIZON 2020 LEIT and Social Challenges topics

ICT priorities in 'Social Challenges' Topics

Topics - area / Countries	AM	AZ	BY	GE	KZ	KG	MD	RU	UA	UZ
ICT in 'Excellent science'										
Research infrastructure										
Development, deployment and operation of ICT-based e-infrastructures	X	X	X	X	X	X	X	X	X	X
ICT in 'Societal challenges'										
SC1: Health, demographic change and wellbeing										
Advanced ICT systems and services for Integrated Care	X		X	X			X			
Digital representation of health data to improve disease diagnosis and treatment		X	X					X	X	
SC3: Secure, clean and efficient energy										
New ICT-based solutions for energy efficiency		X		X		X	X			
SC6: Europe in a changing world - Innovative, inclusive and reflective societies										
ICT-enabled open government	X	X	X	X	X		X	X		X



EECA – EU Bilateral Cooperation

	Armenia	Azerbaijan	Belarus	Moldova	Ukraine	Georgia	Kazakhstan	Russia	Uzbekistan	Kyrgyzstan
Austria			✓				✓	✓		
Belgium			✓					✓		
Bulgaria			✓			✓	✓	✓		
Czech Republic			✓				✓	✓		
Denmark			✓					✓		
Estonia			✓			✓	✓			
France	✓	✓	✓	✓		✓		✓		
Germany	✓	✓	✓	✓		✓	✓	✓	✓	✓
Greece			✓			✓		✓		
Hungary			✓					✓		
Italy	✓		✓	✓		✓		✓		
Netherlands			✓				✓	✓		
Poland			✓				✓	✓		
Portugal				✓				✓		
Romania			✓	✓			✓	✓		
Slovakia			✓					✓		
Slovenia		✓		✓				✓		
Spain		✓	✓				✓	✓		
UK			✓				✓	✓		



EECA – EU Cooperation – Main targets

The main objectives and expectations:

- **exchange of know-how**
- **financial and technical support**
- **creation of joint research centers and organizations**
- **more region oriented calls and activities**



EECA intra-regional Cooperation

	Russia	Armenia	Azerbaijan	Belarus	Moldova	Ukraine	Georgia	Kazakhstan	Uzbekistan	Kyrgyzstan
Russia		✓		✓		✓		✓	✓	✓
Armenia	✓			✓	✓	✓	✓			
Azerbaijan	✓			✓	✓	✓	✓	✓	✓	✓
Belarus	✓	✓	✓		✓	✓	✓	✓	✓	✓
Moldova	✓			✓				✓		
Ukraine	✓	✓	✓	✓	✓		✓	✓		
Georgia	✓	✓	✓			✓				
Kazakhstan	✓		✓	✓		✓			✓	✓
Uzbekistan	✓			✓		✓				
Kyrgyzstan	✓		✓			✓			✓	



EECA intra-regional Cooperation - targets

- Main ICT objectives among EECA R&I collaboration include:
 - agreements on scientific and technical cooperation
 - protocols of intention
 - memorandums of cooperation and understanding
 - working groups
 - Joint Commissions
- Easy and long term collaboration due to common scientific background, cultural and linguistic common ground
- Regional cooperation benefits from cross border programmes under the European Neighborhood Policy Instrument (ENPI)



Conclusions



- Identified the EECA ICT Research Priorities in relation to HORIZON 2020 LEIT and Social Challenges Topics
- Increased the number of FP7 and H2020 proposals in the region
- Mapped of EECA national Innovation Policies
- Identified of International Cooperation current status (both among EECA countries and between EU and EECA)
- Increased the visibility of EECA ICT Priorities



- No holistic consideration of the national innovation system
- Less emphasis on innovation in SMEs as an important driver of economic dynamism
- No real linkages between subsystems, between the science and business sectors
- Policies and Programmes decided but partially implemented
- No extended venture capital or public funding available for risky innovative plans



Thank you!

