16th Meeting of the Eastern Partnership Platform 3 on Energy Security

Brussels, 20/12/2016

Andrea Carignani Di Novoli

European Commission

DG Research and Innovation

andrea.carignani-di-novoli@ec.europa.eu

European Commission

HORIZON 2020

Association to H2020

4 EaP countries associated to H2020

Moldova (01/01/2014)
Ukraine (17/08/2015)
Georgia (01/01/2016)
Armenia (07/11/2016)

+ Ukraine became associated to the Euratom research programme on 28/10/2016

Research and Innovation

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

Association = Full access to all activities

Excellent Science

- European Research Council
- Future and Emerging Technologies
- Marie Curie Actions
- Research Infrastructures

Industrial Leadership

Leadership in Enabling & Industrial Technologies

- Information and communication technologies
- Nanotechnologies
- Advanced materials
- Biotechnology
- Advanced manufacturing and processing
- Space

- Access to Risk Finance
- Innovation in SME

Societal Challenges

- Health, Demographic Change and Wellbeing
- Food security, sustainable agriculture, marine and maritime research and the bio- economy
- Secure, clean and efficient Energy
- Smart, Green and Integrated Transport
- Climate Action, Resource Efficiency and Raw Materials
- Europe in a changing world: Inclusive, Innovative and Reflective Societies
- Secure Societies - Protecting Freedom and Security of Europe and its Citizens

- **Joint Research Centre (JRC)**
- **Widening Participation**
- **Science with & for Society**
- **European Institute of Innovation and Technology (EIT)**
- **Joint Programming P2P**
- **Joint Technology Initiatives P2B**

Association = Full access to all activities

- **FULL ACCESS TO ALL H2020 FUNDED ACTIVITIES**
  (SAME CONDITIONS AS EU MSs), including now parts only limited to EU MS and ACs, e.g. ERC grants, SME instrument, Access to risk finance, capacity-building instruments,..

- **PARTICIPATION IN THE PROGRAMME GOVERNANCE STRUCTURE**
  (14 PROGRAMME COMMITTEES + JRC Board of Governors)

- **PARTICIPATION TO EUROPEAN RESEARCH AREA (ERA) STRATEGIC GROUPS**
  (ERA COMMITTEE; EUROPEAN STRATEGIC FORUM ON RESEARCH INFRASTRUCTURES; STRATEGIC FORUM on INTERNATIONAL COOPERATION)

- **PARTICIPATION TO EURAXESS**
  (Researchers Mobility)

HORIZON 2020

Research and Innovation

Association = Full access to all activities

- **INTEGRATION OF NCPs in ALL (22) EU NCP NETWORKS, COORDINATION ACTIVITIES and TRAININGS**

- **POSSIBLE PARTICIPATION IN P2B, P2P INITIATIVES:**
  JOINT PROGRAMMING INITIATIVES, JOINT TECHNOLOGY INTIATIVES, EUROPEAN INNOVATION PARTNERSHIPS

- **INTEGRATION OF INDUSTRY/ S&T COMMUNITY IN RELEVANT EU STRATEGIC NETWORKS (e.g. TECHNOLOGY PLATFORMS, KICs)**

Research and Innovation

New possibilities:
Spreading Excellence and Widening Participation through H2020

- **Teaming for Excellence (CoEs)**

- **Twinning** (institutional networking)

- **ERA Chairs** (bringing excellence to institutions)

- **NCPs** (information, communication, support)

- **Policy Support Facility** (support for R&I Policy design)

- **COST** (stimulating cross border science networks)

Total budget: EUR 816 million

Research and
Innovation

European
Commission

Peer-reviews / H2020 Policy Support Facility (PSF)

- **STI Policy Mix peer reviews (INCONET EaP)**: Georgia and Armenia (March-November 2015)

- H2020 association: **PSF peer-reviews** launched in Moldova (results presented in July 2016 in Chisinau) and Ukraine (results to be presented on 19 December in Kiev)

- H2020 association: request from Georgia for support in implementing the INCONET-EaP peer-review; request from Moldova to join a **PSF Mutual Learning Exercise (MLE) on "open science policy"**

Research and Innovation

European Commission

New H2020 Support actions

➢ **Bilateral level (Ukraine)**: new RI-LINKS-2UA, 02/2016, 3 years

➢ **Regional level**: new EaP Plus Platform (follow-up INCONET EaP), 09/2016, 3 years

- Info days (promotion of open calls)
- Brokerage events
- NCPs training
- Study/Technical visits
- Monitoring H2020 participation
- Twinnings with EU MSs / Policy events

Research and Innovation

European Commission

Participation out of 308 H2020 Calls

Country	Proposals submitted	Applicants	Success rate	Mainlisted proposals	Mainlisted applicants + Total EC funding	Signed GA	Retained applicants + Total EC Funding
ARMENIA	71	80	13,8%	11	11 1,09M€	8	9 0,35M€
AZERBAIJAN	37	39	12,8%	5	5 0,44M€	3	3 0,16M€
BELARUS	161	173	13,3%	23	23 4,46M€	14	14 2,48M€
GEORGIA	115	137	10,9%	13	15 1,21M€	12	14 1M€
MOLDOVA	192	229	9,2%	20	21 2,05M€	19	20 1,69M€
UKRAINE	624	824	9,7%	62	80 11,55M€	46	60 7,52M€

8th EaP IPD, Yerevan 17 November 2016

Focus on integrating EU and EaP countries R&I systems and boosting cooperation in the innovation domain

- National measures: staff dedicated to ERA/H2020 policy Units and establish STI liaison offices in Brussels, professionalize NCP networks, launch national programmes to support H2020 participation;

- Exploit existing instruments: promote support to be provided by EaP Plus on training and clustering, promote the Horizon 2020 innovation funding instruments (open to EaP associated countries), strengthen support in the smart specialization domain;

- New initiatives: explore cooperation opportunities in energy efficiency (SPIRE cPPP), EU4INNOVATION.

Research and Innovation

EU4Innovation: supporting the reinforcement of innovation capacities in EaP countries

- Inventory of all EU innovation related instruments and on-going/planned activities in each country and at regional level;
- Coordination between different EU/EC services (EEAS, DG NEAR, RTD, EAC, GROW, JRC, CNECT) + coordination at country/regional level;
- Identification of synergies + gaps to be covered (notably in line with peer-reviews recommendations).

EU4Innovation — ANYONE CAN INNOVATE — FINDING SOLUTIONS TOGETHER — Research and Innovation

EU4Innovation — CREATE SMART SUSTAINABLE AND INCLUSIVE GROWTH IN ARMENIA

4th Meeting of EaP Panel on Research and Innovation, Brussels, 14/12/2016

- Increase ERC promotion activities (next ERC Info-day in April 2017) as well as info-sessions about COST actions;
- Promote synergies with EaP Platform 3 on energy efficiency (meeting with SPIRE cPPP with the support of the EaP Plus platform, scheduled in Brussels for February [tbc])
- Upcoming events:
  - o training for STI policy-makers to be organised by the EaP Plus platform in Vienna in April 2017
  - o 2017 EaP Panel event on funding for innovative companies (to be held in Minsk, end of June 2017[tbc])
- Next focus on Open Science, Resource Materials, Smart Specialisation.

Research and Innovation

Energy among the top priority areas for cooperation with EaP countries

- Eastern Partnership Summit (Riga, May 2015) reaffirmed the importance of focusing on multilateral cooperation projects aiming at **ensuring energy security** and **improving the interconnections for energy and transport**;

- EaP Panel on Research and Innovation has recognised **Secure, Clean and Efficient Energy** as priority for collaborative research and innovation activities;

Research and Innovation

European Commission

FP7 Projects with topic id Energy

Project Title	EaP country	EC contribution (EUR)
BEE - Biomass Energy Europe	Ukraine (2 participations)	58,598
APOLLON - Multi-APprOach for high efficiency integrated and inteLLigent cONcentrating PV modules (Systems)	Ukraine	226,555
CEUBLOM - Classification of European Biomass Potential For Bioenergy Using Terrestrial And Earth Observations	Ukraine	35,909
CoMeth - Coal mine methane new solutions for use of CMM-reduction of GHG emissions	Ukraine (2 participations)	130,796
HESCAP - New generation, High Energy and power density SuperCAPacitor based energy storage system	Ukraine	326,800
EFENIS - Efficient Energy Integrated Solutions for Manufacturing Industries	Ukraine	70,075
H2ESOT - Waste Heat to Electrical Energy via Sustainable Organic Thermoelectric Devices	Moldova	88,980
S2Biom - Delivery of sustainable supply of non-food biomass to support a "resource-efficient" Bioeconomy in Europe	Ukraine	36,280

H2020 Projects with topic id Energy

Project Title	EaP country	EC contribution (EUR)
Bioenergy4Business - Uptake of Solid Bioenergy in European Commercial Sectors (Industry, Trade, Agricultural and Service Sectors)	Ukraine	68,186
EnPC-INTRANS - Capacity Building on Energy Performance Contracting in European Markets in Transition	Ukraine	121,943
Train-to-NZEB - The Building Knowledge Hubs	Ukraine	51,562
uP_running - Take-off for sustainable supply of woody biomass from agrarian pruning and plantation removal	Ukraine (2 participations)	254,315
FORBIO - Fostering Sustainable Feedstock Production for Advanced Biofuels on underutilised land in Europe	Ukraine	86,812
SEEMLA - Sustainable exploitation of biomass for bioenergy from marginal lands in Europe	Ukraine (2 participations)	211,184
ENABLE.EU - Enabling the Energy Union through understanding the drivers of individual and collective energy choices in Europe	Ukraine	95,687