Collaboration Models between the EU and EECA countries in ICT

Dr Tatyana Lyadnova, ICT NCP
Coverage of the full innovation chain

Societal challenges

Industrial leadership

Excellent science

- Basic Research
- Technology R&D
- Demonstration
- Prototyping
- Large scale validation
- Pilots
- Market uptake

HORIZON 2020
Three priorities for ICT

- Excellent science (~25%)
- Industrial leadership (~55%)
- Societal challenges (~20%)
EU - EASTERN EUROPE AND CENTRAL ASIA Cluster - Gateway for ICT Research and Innovation

- **Leadership in enabling and industrial technologies**
  - ICT
  - Nanotech., Materials, Manuf. and Processing
  - Biotechnology
  - Space
- **Access to risk finance**
- **Innovation in SMEs**

**Tackling Societal Challenges**
- Health, demographic change and wellbeing
- Food security, sustainable agriculture and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
  - Climate action, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Secure societies

**Creating Industrial Leadership and Competitive Frameworks**

**Excellence in the Science Base**
- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Skłodowska Curie)
- Research infrastructures

**Shared objectives and principles**

**International cooperation**

**European Research Area**

**Europe 2020 priorities**

**Simplified access**

**Dissemination & knowledge transfer**
The new approach of Horizon 2020

1. ICT research and innovation - in all pillars
2. Innovation goes mainstream
3. The importance of societal challenges
4. Externalised measures
Coupling research to innovation

• Support to Research and Innovation from lab to market
  • Use of 'research and innovation actions' and 'innovation actions' depending on the centre of gravity of the targeted activities

• Promotion of a closer relationship between research and entrepreneurship

• More support to SMEs

• More evaluators from the business world involved in the selection process

• About half of the budget of ICT-related activities allocated to instruments directly aiming at supporting innovation
International Cooperation in H2020

Aims at supporting EU's research and innovation *excellence* and EU's economic and industrial *competitiveness*, through:

- **mobilisation of the "best minds"** (especially from the leading countries in ICT) to work with (and in) EU-funded research

- **position EU industry** in a way that it benefits from ICT market developments, especially in key emerging economies

- **promote global reach, adoption of technology** developments and market innovations in ICT coming from EU players

- **longer term partnerships** with countries of strategic importance to the EU, either due to their geographic position (e.g., *EaP*) or their privileged relationship with *Europe* (Russia, Central Asia).
The EECA Cluster overview:

EECA-2-HORIZON & EAST-HORIZON
Two projects one common aim...

**Aim** - To develop *strategic and mutually beneficial R&I partnerships in ICT* between the EU and the 12 Eastern Europe and Central Asia (EECA) countries.

**Objective** - To strengthen the links and boost cooperation among the *research and industrial communities* of both regions to exploit emerging opportunities for international partnerships and jointly address common societal challenges.
### Identity

<table>
<thead>
<tr>
<th></th>
<th>EECA-2-HORIZON</th>
<th>EAST-HORIZON</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title</strong></td>
<td>Bringing the EU-EECA cooperation and policy dialogue in ICT in the HORIZON 2020 era</td>
<td>Fostering Dialogue and Cooperation between the EU and EECA in the HORIZON 2020 perspective</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Coordination and Support Action</td>
<td></td>
</tr>
<tr>
<td><strong>Programme</strong></td>
<td>FP7-ICT</td>
<td></td>
</tr>
<tr>
<td><strong>Duration</strong></td>
<td>February 1, 2014 - July 31, 2016 (30 Months)</td>
<td></td>
</tr>
<tr>
<td><strong>Coordinator</strong></td>
<td>Q-PLAN International Ltd</td>
<td>PLANET S.A.</td>
</tr>
<tr>
<td><strong>Partners</strong></td>
<td>10 partners <em>(8 from the EECA region)</em></td>
<td>14 partners <em>(10 from the EECA region)</em></td>
</tr>
<tr>
<td><strong>GA No</strong></td>
<td>610793</td>
<td>611063</td>
</tr>
</tbody>
</table>
Targeted countries

Overall:
- 6 partners from EU
- 15 partners from EECA
Objectives (1/3)

Inform and Stimulate

✓ Organize *info-days* and *training sessions* in all EECA countries on emerging opportunities under H2020

✓ Increase awareness on *EECA R&I programmes* that support the participation of EU research and industrial ICT actors

✓ Set-up an *on-line Help Desk* and offer *hands-on support* to EECA R&I teams towards their participation in H2020
Objectives (2/3)

Support Collaboration

✓ Create **sustainable ICT Communities** targeting the ICT areas of:
  ➢ Big Data, Software and Services
  ➢ Interactive Content, Media and Creative industries
  ➢ High Performance Systems
  ➢ Photonics

✓ Facilitate and strengthen **collaboration with relevant European Technology Platforms** in the 4 targeted ICT areas
  ➢ NESSI, NEM, ETP4HPC, Photonics21, etc

✓ Set up an **on-line database** with EECA R&I teams’ profiles

✓ Organize **networking events** to link research and industrial actors from both regions
Objectives (3/3)

Facilitate ICT Policy Dialogue

- Map *EECA ICT R&I priorities in H2020*
- Identify *ICT areas of mutual interest*
- Organize *ICT policy/consultation meetings*
Support collaboration (1/2)

✓ 4 ICT Communities have been jointly created and collaboration with the respective ETPs has been established

- “Big Data Software and Services” → NESSI
  - to be managed by ATC
  - ATC is a member of the NESSI Board

- “Interactive Content, Media and Creative Industries” → NEM
  - to be jointly managed by AEI and Q-PLAN (supported by ATC)
  - ENG is a member of the NEM Board

- “High Performance Systems” → ETP4HPC
  - to be managed by e-ARENA
  - e-ARENA is closely involved in the activities of these ETPs

- “Photonics” → Photonics21
  - to be managed by e-ARENA
  - There is long collaboration with the Russian TP on Photonics, where e-ARENA is involved
Support collaboration (2/2)

✓ The 1st ICT Communities meeting – networking event was organised (12/11/2014, Baku, AZ)

✓ A number of EU experts were supported to attend the cluster activities in Baku, AZ

✓ A number of EECA experts (BY) were supported by EC to attend the event in Baku, AZ

✓ Several on-line tools have been developed
  ➔ On-line database / EECA-W@tch platform / Collaboration space / Help-Desk

✓ The R&I competencies and interests of EECA teams were promoted:
  ➔ The ICT Proposers’ Day (Oct 2014, Florence, IT)
  ➔ Catalogue of Profiles
  ➔ NEM Summit 2014 (Sep 2014, Brussels, BE)
  ➔ NESSI Summit 2014 (Nov 2014, Barcelona, ES)
Facilitate ICT Policy Dialogue

✓ The ICT areas of mutual interest for EU-EECA collaboration have been identified
✓ The EECA ICT R&I priorities have been analysed
✓ Financial support was offered to a number of EU and EECA experts to attend EC workshops focusing on EC-EECA collaboration
  ➔ Digital Market Harmonization
  ➔ Financial support for the current HDM meeting implementation
✓ Supported the organisation of the H2020 EaP Info-day 2014
  ➔ 13/11/2015, Baku, AZ
EECA Cluster action plan to support ICT experts

- Collaboration with ETPs
- H2020 EaP info-day 2015 → Sep 2015, Tbilisi, GE
- ICT event 2015 → Oct 2015, Lisbon, PT
- Info and Training events – 2nd round
- Advanced Services implementation (hands-on support)

- ICT Policy Dialogue - continuation
Collaboration Space

- Big Data, Software & Services
- Photonics
- High Performance Systems
- Interactive Content Media & Creative Industries

Join in

- Get in contact with leading research and industrial actors in key ICT areas
- Get insights into the latest technological achievements and market trends
- Be involved in the activities of European Technology Platforms (industry-led stakeholder fora) and contribute to the definition of the research priorities for international cooperation

EECA-W@tch

An information platform on the ICT Research and Innovation landscape in the EECA region:
- Find out about the ICT sector in the EECA countries
- Get in contact with competent research teams and SMEs from the region and find your business/research partner
- Discover funding opportunities under R&I programmes in the region
ICT Community page

Collaboration Space

Big Data, Software & Services

Photonics

High Performance Systems

Interactive Content Media & Creative Industries

Big Data Software & Services

EECA Cluster Community on

"Big Data, Software and Services"

related to European Technology Platform

NESSI "Networked European Software and Services Initiative" the European Technology Platform for the new Digital Information Society and Economy 2.0, powered by software and services and data (http://nessi-europe.eu)

Join the Community and get in contact with experts with similar research, scientific, technological or business orientation. To do so, just fill the registration form and send it to deloglanis [at] qplan.gr

Responsible for the Community activities:

- Mr Nikos Sarris (Athens Technology Centre, GR - n.sarris [at] ath.gr)

NESSI key documents

- Strategic research and Innovation Agenda (SRIA) of the European contractual Public Private Partnership (cPPP) on Big Data Value - July 2014
- NESSI white paper "Software Engineering - Key Enabler for Innovation" - July 2014
- NESSI Strategic research and Innovation Agenda (SRIA) v2.0 - April 2013
- NESSI white paper "Big Data - A New World of Opportunities" - December 2012

More NESSI publications are available here.

Community activities

- 1st EECA Cluster networking event - ICT Communities building - 12 November 2014, Baku, AZ
  - Conclusions of the discussions
- On-line database of ICT R&I profiles from organisations in the entire Eastern Europe and Central Asia region
  - EECA R&I ICT teams have a unique opportunity to promote their competences so as to increase their visibility and eventually be invited to join international consortia towards H2020 upcoming Calls.
  - EU experts may identify and contact regional key players to form future collaborations via a search engine mechanism.
EECA competence platform
## EECA competence platform (2)

### Competence Platform

<table>
<thead>
<tr>
<th>Team</th>
<th>Organisation</th>
<th>Country</th>
<th>Type</th>
<th>Programme</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big data software and services</td>
<td>Holthaus Consulting</td>
<td>Ukraine</td>
<td>sme</td>
<td>SC4: Smart, green and integrated transport</td>
<td>Electric vehicles' enhanced performance and integration into the transport system and the grid</td>
</tr>
<tr>
<td>Company</td>
<td>BelHard Group</td>
<td>Belarus</td>
<td>sme</td>
<td>Information and Communication Technologies</td>
<td>ICT 16 – 2015: Big data - research</td>
</tr>
<tr>
<td>Company</td>
<td>BelHard Group</td>
<td>Belarus</td>
<td>sme</td>
<td>Information and Communication Technologies</td>
<td>ICT 24 – 2015: Robotics</td>
</tr>
</tbody>
</table>
Inclusion in the catalogue is free of charge.

Help Desk
http://www.eeca-ict.eu
Follow us on LinkedIn
https://www.linkedin.com/groups/EU-EECA-cooperation-in-ICT-8249599?home=&gid=8249599
**ICT 2015** - Innovate, Connect, Transform, 20-22 October 2015 in Lisbon, Portugal


**Registrations will open in May 2015** - to receive updates, check regularly this page or subscribe to the [ICT 2015 newsletter](#)
Planned activities – ICT’2015

The ICT 2015 event will comprise a number of parallel activities:

- **Conference** presenting the new Commission's policies and initiatives on Research & Innovation in ICT (Horizon 2020 Programme);

- An interactive **exhibition** showcasing the best results and impact of most recent EU ICT Research & Innovation;

- Many **networking** opportunities to enhance quality partnerships, helping participants find partners, connect Research and Innovation and trigger collaboration;

- **Face-2-Face Brokerage** Event to find partners to your proposals

- **Funding** opportunities: ICT 2015 will also be the place to gather information on the 2016 Work Programme of Horizon 2020.
ICT 2015
20-22 October 2015 in Lisbon, Portugal

Features of the event:

- Conference
- Exhibition
- Networking

Venue:
CCL – Lisboa Congress Centre

Twitter:
@ICT2015eu
#ICT2015
Your Worldwide ICT Support Network

http://www.ideal-ist.eu/
The network of National Contact Points for ICT in Horizon 2020

- Supports project proposers
- From project idea to successful proposal submission
Ideal-ist Network is worldwide

- Active since **1996**
- More than **88** partners worldwide:
  - EU Member States
  - Associated Countries
  - Eastern European Partner Countries (EEPC)
  - Mediterranean Partner Countries (MPC)
  - Western Balkan Countries (WBC)
  - Emerging Economies
  - Developing Countries
  - Industrialized Countries
- Access to more than **85,000** clients
What do we offer:

- Services for proposers:
  - **Partner Search** - publish projects ideas and proposers’ profiles
How Ideal-ist finds partner for you?

**Step 1**
Proposer inserts a new Partner Search online.

**Step 2**
PS is checked by local representative & Quality Team according to subjective & objective criteria: Quality Label.

**Step 3**
PS is published & distributed to subscribers of national mailing list (~85,000 contacts).

**Step 4**
Potential partners send EoIs (Expression of interest) to proposers (on avg. 50 per PS).

**Step 5**
Proposer replies to EoIs (Standard reply form) & chooses partner(s) to build consortium (98% success rate).

**Step 6**
PS is closed & Proposer fills in feedback form.
Partner Search

• **Targeted** to actual calls;

• Type of information requested:
  • Call identifier, research objective, instrument, evaluation scheme, closure date
  • Proposal – objectives, keywords
  • Partner profile sought – *required skills, expertise*, work to be carried out, type of partner sought, coordinator sought
  • Your FP experience (participation, coordination)
  • If you need a coordinator

• Partner searches should be **Quality** checked (Ideal-ist project offers Quality check) to be published

• [http://www.ideal-ist.eu/partner-search/pssearch](http://www.ideal-ist.eu/partner-search/pssearch)
What do we offer:

- Services for proposers:
  - Networking and Brokerage Events: **F2F event**

<table>
<thead>
<tr>
<th>Event</th>
<th>Meetings</th>
<th>Participants</th>
<th>Countries</th>
<th>Tables</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICT Proposers Day Budapest 2011</td>
<td>1,100</td>
<td>350</td>
<td>43</td>
<td>Around 50</td>
</tr>
<tr>
<td>ICT Event Vilnius 2013</td>
<td>2,600</td>
<td>700</td>
<td>51</td>
<td>Around 75</td>
</tr>
<tr>
<td>ICT Proposers Day Warsaw 2012</td>
<td>1,900</td>
<td>450</td>
<td>51</td>
<td>Around 50</td>
</tr>
<tr>
<td>ICT Proposers Day Florence 2014</td>
<td>3,200</td>
<td>820</td>
<td>50</td>
<td>Around 80</td>
</tr>
</tbody>
</table>

!!! Check: the Call information and *presentations + contacts* on the event website
What we do:

Dissemination activities (incl. EECA Competence Platform)
Funding Opportunities – Twinning Grants

http://www.inco-eap.net/en

Call open – apply now!

Twinning Grants: IncoNet EaP supports 'Clustering of Scientific Projects and Institutions'

Our 'Twinning Grants' will support collaboration with your partners to jointly participate in Horizon2020 calls. Twinning is a core activity of IncoNet EaP and has a long tradition in Europe as a successful instrument in capacity building processes.

- Download for Applicants
  - ↓ Твиннинг-гранты IncoNet ВП (Восточное партнёрство) – Информация на русском языке
  - ↓ Terms of Reference (updated 10 July 2014)
    - ↓ Table: Daily Subsistence Allowances
  - ↓ Application Form
    - ↓ Fact Sheet
    - ↓ Financial Plan

- Call information
  - Call 2014
COST - European COoperation in Science and Technology http://www.cost.eu

Information and Communication Technologies (ICT)

ICT covers scientific and technical research in all areas of information and communication science and technologies.

The ICT research area is best summarised as treating the processing, transmission, storage, retrieval, management, usage, and exchange of information and knowledge, with emphasis on fundamental aspects and pre-competitive technology development.

New ideas and initiatives are welcome as well those with high interdisciplinary elements and close links and overlaps with other domains.

News

4 April 2014
April 2014 Newsletter now online

Stay up-to-date with COST’s latest news and opportunities!

read more
COST Actions - ICT

- Information and Communication Technologies (ICT)
- Actions

- IC1405 | Reversible computation - extending horizons of computing | 30 April 2015 - 29 April 2019
- IC1407 | Advanced characterisation and classification of radiated emissions in densely integrated technologies (ACREDIT) | 10 April 2015 - 09 April 2019
- IC1406 | High-Performance Modelling and Simulation for Big Data Applications (CHIPS) | 08 April 2015 - 07 April 2019
- IC1408 | Computationally-intensive methods for the robust analysis of non-standard data (CRoNoS) | 30 March 2015 - 29 March 2019
- IC1402 | Runtime Verification beyond Monitoring (ARVI) | 17 December 2014 - 18 December 2018
- IC1403 | Cryptanalysis of ubiquitous computing systems (CRYPTACUS) | 12 December 2014 - 11 December 2018
- IC1401 | Monitors - Devices, Models, Circuits, Systems and Applications (MonMoS) | 10 December 2014 - 09 December 2018
- IC1404 | Multi-Paradigm Modelling for Cyber-Physical Systems (MPM4CPS) | 25 November 2014 - 24 November 2018
- IC1306 | Cryptography for Secure Digital Interaction | 07 April 2014 - 06 April 2018
- IC1305 | Network for Sustainable Ultrascale Computing (NESUS) | 28 March 2014 - 27 March 2018
- IC1304 | Autonomous Control for a Reliable Internet of Services (ACROSS) | 14 November 2013 - 13 November 2017
- IC1301 | Wireless Power Transmission for Sustainable Electronics (WPIE) | 24 October 2013 - 23 October 2012
The grant management and experts services may experience issues **Wednesday 23rd of September**, between 7:50 AM (CET) and 10:30 AM (CET), while system maintenance is being performed.

We apologise for any inconvenience this may cause.

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**Experts**

Join the database of independent experts for European research and innovation.

The European Commission appoints independent experts to assist with research and innovation assignments including the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.

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**New experts**

**Who can be an expert?**

You have a chance of being selected as an expert if you:

- Have experience in the fields of interest of the European Commission.
- Are independent and able to provide an objective opinion.
- Are not involved in the European Commission's research and innovation activities.

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**What do expert assignments involve?**

Experts, as peer reviewers, assist in the:

- Evaluation of proposals.
- Monitoring of projects.
- Evaluation of programmes.
- Design of policy.
Register as Evaluator

New experts

Who can be an expert?
You have a chance of being selected as an expert if you:

- have high-level of expertise in the relevant fields of research and innovation (see call for details on types of expertise).
- can be available for occasional, short-term assignments

What do expert assignments involve?
Experts, as peer reviewers, assist in the:

- evaluation of proposals
- monitoring of actions

In addition, experts assist in the:

- preparation, implementation or evaluation of programmes and design of policies. This includes the Horizon 2020 Advisory Groups.

Assignments mainly concern research and innovation, falling within the Horizon 2020 programme designed to address the challenges Europe is facing through funding excellent science, technology and innovation.

Take a look at the most recently funded projects.

Business innovation coaches support SMEs funded via the SME instrument. An expression of interest for experts willing to become Business Innovation Coach for the SME instrument is available on the EASME website. Candidate coaches will also be asked to provide more detailed information on their competence and experience here.
Brief summary: available collaboration models/tools

• ETPs – ICT Communities
• EECA Cluster services
• Self promotion: Competence Platform; EECA Catalogue; LinkedIn
• Networking: ▶ Cluster event in Georgia
  ▶ ICT’2015 Conference in Lisbon
• Trainings
• Partner Search: Idealist services
• IncoNetEaP-STI – Twinning Grants
• COST Actions
• Register as evaluator
Publica

tion in Russian

От идеи до заявки: пять шагов навстречу «Горизонту» (PDF, 3 Mb)
http://fp7-nip.org.by/ru/nip/public/5stepsToH2020.html
Find out more

• On the Horizon2020 web site
  • http://ec.europa.eu/programmes/horizon2020

• On the participants portal
  • http://ec.europa.eu/research/participants/portal/desktop/en/home.html

• H2020 Helpdesk, including FAQ
  • http://ec.europa.eu/research/index.cfm?pg=enquiries

• Contact your National Contact Points
  • http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html
EECA Cluster members

www.eeca-ict.eu
Thank you for your attention!

http://www.eeca-ict.eu
info@eeca-ict.eu

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