



International cooperation

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International Cooperation Strategy: Enhancing and focusing EU international cooperation in research and innovation

Tackle global societal challenges

Support the Union's external policies

International Cooperation
Mainstreamed across
Horizon 2020

Strengthen the Union's excellence and competitiveness (growth and jobs)

Horizon 2020 - Open to the world

1. Most topics are open to partners from non-European countries;
2. Targeted opening (participation of organisations from specific countries in some topics is either encouraged or required);
3. Joint/Coordinated calls (used for specific actions, e.g., EU-Japan R&D Cooperation in Net Futures)
4. Twinning of Projects





Commissioner Moedas: Open to the World, June 2015

"To remain relevant and competitive, we need to engage more in science diplomacy and global scientific collaboration. It is not sufficient to only support collaborative projects; we need to enable partnerships between regions and countries."





Geographic & thematic targeting

Developed countries:

- ✓ *focus on those areas where there is a need to work on common technologies (e.g. 5G, IoT) and/or significant potential for economies of scale - U.S., Japan, Korea, Taiwan*

Emerging economies:

- ✓ *EU's partnership facilitates market access and alignment with EU in new technological developments (e.g. FI-WARE), standards, policies, regulation - China, Brazil, Mexico*

Developing countries:

- ✓ *Markets with growth potential, opportunities for new innovation paradigms - Sub-Saharan Africa, ASEAN*





International cooperation: LEIT ICT WP 2016-2017

- **International partnership building in low and middle income countries (13,8 M€)/Target: sub-Saharan Africa and ASEAN**
- **Coordinated calls**
 - EU-Brazil (7 M€)
 - *Cloud computing*
 - *IoT pilots*
 - EU-Japan (7 M€)
 - *5G – Next Generation Communication Networks*
 - *IoT/Cloud/Big Data platforms in social application contexts*
 - *Experimental test-beds on Information-Centric Networking*
 - EU-South Korea (6 M€)
 - *5G – Next Generation Communication Networks*
 - *IoT joint research*
 - *Federated Cloud resource brokerage for mobile cloud services*
- **Cooperation with Taiwan** on 5G PPP topic on Convergent Technologies (5 M€)
- **Other international cooperation activities**
 - Mexico: Collaboration on ICT (with a focus on FI-WARE) (1 M€)





International cooperation: LEIT ICT WP 2016-2017

- EUJ: EU-Japan Joint Call (5G, IoT, Testbeds)- 7M€);
- EUB: EU-Brazil Joint Call (Cloud, IoT pilots - 7M€);
- EUK: EU-South Korea Joint Call (5G, IoT, Cloud – 6M€)
- ICT-37: China – Collaboration on Future Internet - 1 M€;
- ICT-38: Mexico – Collaboration on ICT – 1 M€;
- ICT-39: International partnership building in low and middle income countries – 13.8 M€;

- Cooperation encouraged:
- ICT-07: 5G PPP Research and Validation: China, Japan, South Korea, Taiwan, USA;
- ICT-08: 5G PPP Convergent technologies: China, Japan, South Korea, Taiwan, USA;
- (5M€ earmarked for collaboration with Taiwan on test-beds)
- ICT-13: FIRE: USA, Japan, Brazil, South Korea;
- ICT-31: Micro-and Nano Technologies: Japan, South Korea, Taiwan, USA

- Societal Challenges:
- SC7-DS-05: EU collaboration on Cyber Security: USA, Japan- 0,5 + 0,5 M€;
- SC1-PM-14: Robotics for Healthy Ageing: Japan – 5 M€.





ICT-39-2017

International Partnership Building in Low and Middle Income Countries (sub-Saharan Africa and ASEAN)

EC Communication on International Cooperation, Sep 2012

'Science diplomacy' will use international cooperation in research and innovation as an instrument of soft power and a mechanism for improving relations with key countries and regions.

ICT-39-2017

- Specific challenge: to reinforce cooperation and strategic partnership with selected countries and regions in areas of mutual interest.
- Targeted countries/regions: low and middle income countries in sub-Saharan Africa and South East Asia (ASEAN)



ICT-39-2017

Scope: Actions will address the requirements of **end-user communities** in developing countries. This may include technological improvements and adaptations as well as innovative service creation based on existing technologies. Proposals could include specific technological targets such as co-design, adaptation, demonstration and validation (e.g. pilots) of ICT related research and innovation in relevant thematic areas addressed by Horizon 2020.

ICT-39-2017

Expected impact: development of relevant technologies responding to specific needs of target countries; sustainable uptake of results beyond project completion date; reinforced international cooperation on ICT R&D with low and middle income countries, focussing on areas that are beneficial to the target countries/regions.

ICT-39-2017

- Type of action: Innovation Action (IA)
- Budget: €13 million
- Other conditions: €1-2 million per proposal
- Call opening/closing: 8 Dec 2016 – 25 Apr 2017

Find out more

- Horizon2020 website
 - ✓ <http://ec.europa.eu/programmes/horizon2020>
- Participants' portal
 - ✓ <http://ec.europa.eu/research/participants/portal>
- H2020 Helpdesk, including FAQ
 - ✓ <http://ec.europa.eu/research/index.cfm?pg=enquiries>
- National Contact Points
 - ✓ http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html



