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# Horizon 2020 Work Programme for Research & Innovation 2018-2020

*EU - Sri Lanka Cooperation on  
Research and innovation*

Colombo, 21  
October

Jaffna, 23 October

Kandy, 24 October

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Research and  
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# R&I cooperation with Sri Lanka

- Cooperation on R&I is integral part of overall EU – Sri Lanka relations.
- Engaging on R&I is integral part of EU-SL Partnership and will facilitate its implementation.
- Sri Lanka is a full partner of EU Horizon 2020 programme.
- Cooperation so far: limited; room for improvement.



# Why engage on R&I with EU?

- R&I are drivers for economic development and competitiveness.
- More R&I is needed for the world to develop in a sustainable way and ensure quality of life for all.
- All countries need to increase efforts on R&I.
- R&I is a great tool to understand and build linkages between culturally different people; address common societal challenges and find innovative solutions.
- Through R&I cooperation Sri Lanka will increase capacity on R&I and in general but also increased efforts at national level necessary: 0.11 % of GDP investment in 2014 is not enough.



# Why collaborate with the EU? (1/2)

- Because the EU is a world leader in Research and Innovation:
    - ✓ 24% of global expenditure on research generated by Europe
    - ✓ 32% of high impact publications,
    - ✓ 32% of patent applications
    - ✓ Some of the best universities (25 in top 100)
    - ✓ Some of the most innovative companies (1/4 of world's top 2000 R&D investors)
  - The world's largest trading bloc.
  - And the largest multilateral R&I funding programme – Horizon 2020.
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## Why collaborate with the EU? (2/2)

- EU researchers and innovators are used to cultural/linguistic diversity and cross-border cooperation → facilitates cooperation with other countries/Sri Lanka;
- R&I actors in European Union create networks which are open to non- Europeans;
- The EU is home to many first-rank R&I institutions and research infrastructures;
- Innovation: twelve of 20 best ranked countries in GII from Europe.





# How to Collaborate: Horizon 2020 (1/2)

- EU funding programme for Research and Innovation for 2014-2020
- H2020 Open to the World: Science is universal → Multilateral Cooperation
- From Lab to Market: focus innovation
- Funding opportunities published in multi-annual **Work Programmes**
- Latest Work Programme 2019 published on 2 July 2019: see EU Participants Portal and the EU Delegation website
- All calls open to Sri Lankan **participation** (university, institutes, SMES, NGOs and individual scientists)
- **Funding:** Sri Lankan entities are automatically funded by EU/H2020



# How to Collaborate: Horizon 2020 (2/2)

- **Collaborative research & innovation projects:**

- ✓ Carried out by consortia of organisations working together
- ✓ Must include at least **3 participants from 3 different** EU Member States or Associated countries
- ✓ In addition to these three partners, any legal entity from anywhere in the world can be included in the consortium.

- **Individual researcher projects:**

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- ✓ The European Research Council
  - ✓ Marie Skłodowska-Curie actions



offer unparalleled funding opportunities for individual researchers who want to work in Europe.





# With whom to collaborate?

## EU Member States & H2020 Associated Countries with the rest of the world

- 28 EU Member States (MS)

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, **United Kingdom (?)**.

- 16 Countries associated to Horizon 2020 (AC)

Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, Republic of North Macedonia, Georgia, Iceland, Israel, Moldova, Montenegro, Norway, Serbia, Switzerland, Tunisia, Turkey, Ukraine.

**Open to the World: non Member States/not associated countries = all other countries/international partners.**



# Horizon 2020 structure

## Excellent Science

- **European Research Council**
  - Frontier research by the best individual teams
- **Future and Emerging Technologies**
  - Collaborative research to open new fields of innovation
- **Marie Skłodowska Curie actions**
  - Opportunities for training and career development
- **Research infrastructures** (including e-infrastructure)
  - Ensuring access to world-class facilities

## Industrial Technologies

- **Leadership in enabling and industrial technologies**
  - ICT, nanotechnologies, materials, biotechnology, manufacturing, space
- **Access to risk finance**
  - Leveraging private finance and venture capital for research and innovation
- **Innovation in SMEs**
  - Fostering all forms of innovation in all types of SMEs

## Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research & the bio-economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Security society

European Institute of Innovation and Technology (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)



## Ways of Collaborations

1. **Collaborative research:** Health, Water, Bio-economy, Biotechnology, Nanotechnologies, Advanced materials, ICT, Energy, ICT etc.: consortia for RIA or IA
2. **Researchers Mobility:** Marie Skłodowska-Curie Action : PhD, Post-Doc and short-term mobility of research and innovation staff;
3. **European Research Council (ERC)** grants support individual researchers of any nationality and age who wish to pursue their frontier research.

# Join Now!

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[www.ec.europa.eu/research](http://www.ec.europa.eu/research)

Participant Portal

<http://ec.europa.eu/research/participants/portal/>

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