HORIZON 2020 Work Programme for Research & Innovation 2018-2020
#InvestEUresearch

# Flagships from the 2018-20 Work Programme of Horizon 2020

**Societal Challenge 1 Health, demographic change and wellbeing**

- International flagship collaboration with Canada for human data storage, integration and sharing to enable personalised medicine approaches

- Translational collaborative cancer research between Europe and the Community of Latin American and Caribbean States (CELAC)

- Research on HIV, tuberculosis (TB) and/or hepatitis C (HCV) in patients with mono-, co-infections and/or comorbidities in the context of fostering collaboration with the Russian Federation

**Societal Challenge 2 Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bioeconomy**

- All Atlantic Ocean Research Alliance Flagship

- EU-Africa Partnership on Food and Nutrition Security and Sustainable Agriculture (FNSSA)

- EU-China FAB Flagship initiative

- The Future of Seas and Oceans Flagship Initiative

**Societal Challenge 3 Secure, clean and efficient energy**

- Increased international cooperation in the context of Mission Innovation

- Cooperation with African countries on renewable energies

**Societal Challenge 4 Smart, green and integrated transport**

- Greener and safer aviation

- Road transport automation

- Integrated, multimodal, low-emission freight transport systems and logistics

- Urban mobility and sustainable electrification in large urban areas in developing and emerging economies

**Societal Challenge 5 Climate action, environment, resource efficiency and raw materials**

- Climate action in support of the Paris Agreement

- Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems

- EU-India water co-operation

- Towards operational forecasting of earthquakes and early warning capacity for more resilient societies

- International network to promote cultural heritage innovation and diplomacy

**Societal Challenge 6 Europe in a changing world - inclusive, innovative and reflective societies**

- Addressing the challenge of forced displacement

- Drivers and contexts of violent extremism in the broader MENA region and the Balkans

- Trends and forward-looking scenarios in global governance

**SC7 Secure societies - protecting freedom and security of Europe and its citizens**

- Human factors, and social, societal, organisational aspects for disaster-resilient societies

- Technologies for first responders

**Leadership in Enabling and Industrial Technologies -  ICT**

- EU-Japan joint call on advanced technologies, 5G and beyond

- EU-Korea joint call on Cloud, IoT and AI technologies and 5G

- EU-China 5G Collaboration

- EU-Taiwan 5G collaboration

- Unconventional Nanoelectronics

**Leadership in Enabling and Industrial Technologies - NMBP**

- Cooperation with China on New biotechnologies for environmental remediation and on Microorganism communities for plastics bio-degradation

- Nanosafety

**Research Infrastructures**

- Structuring of the cooperation with the Russian Federation in the Research Infrastructure domain

- EU-CELAC Research Infrastructure Working Group

- SESAME beam-line

- Integrating Activities for Advanced Communities