Russia – Country Page

1. Available local programmes or funds that could provide support to Russian Horizon 2020 participants

Horizon 2020 is fully open to the participation of entities from across the world in all parts of the programme, and many topics are flagged as being specifically relevant for cooperation with partners from outside Europe. Russian scientists, universities, research organisations and enterprises are able to team up with their European partners to participate in projects under Horizon 2020 and make the best use of Europe's excellent opportunities in research and innovation.

Russian researchers and organisations are encouraged to participate in all actions of Horizon 2020 as consortium members and to take part in the proposal submission to the European Commission.

Russian Co-Funding Mechanisms for Research and Innovation Projects

To support Russian participation in Horizon 2020 actions and in view of the fact that participants from Russia are no longer automatically funded by the EU, the **Ministry of Education and Science of the Russian Federation** publishes dedicated calls to offer funding support for Russian Horizon 2020 participants in accordance with its own call procedures (Russian Federal Programme (FTP) "R&D in Priority Areas of Development of the Russian S&T Complex 2014-2020"). Russian applicants to these calls will have to provide a document acknowledging their participation in the consortium of the joint Horizon 2020 proposal, submitted under the Horizon 2020 call.

The Ministry of Education and Science of the Russian Federation has established a functional mailbox horizon2020@mon.gov.ru to which the Russian scientific community may send enquiries about support available in Russia for participation in Horizon 2020.

Depending on the nature of their proposed research, Russian participants of Horizon 2020 research and innovation projects are also encouraged to apply to the regular calls of the **Russian Foundation for Basic Research** (www.rfbr.ru), the **Russian Foundation for the Humanities** (www.rfh.ru) and the **Russian Science Foundation** (www.rscf.ru), which may be able to provide funding support in accordance with their own funding rules.

In addition, the **Russian Foundation for Assistance to Small Innovative Enterprises** (www.fasie.ru) may be able to support the participation of small innovative Russian enterprises in Horizon 2020 projects on a case-by-case basis in accordance with its own funding rules.

Enquiries concerning participation in Horizon 2020 may also be directed to the offices of the appointed Russian National Contact Points:
http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html

2. Current priorities / EU roadmap for EU-Russia S&T Cooperation

From the list of calls in the Horizon 2020 Work Programme 2016-2017, the Ministry of Education and Science of the Russian Federation highlight the following subjects of priority interest for the Russian Federation[1].

CALL: FOR NANOTECHNOLOGIES, ADVANCED MATERIALS, BIOTECHNOLOGY AND PRODUCTION

1. NMBP-01-2016 Novel hybrid materials for heterogeneous catalysis
2. NMBP-02-2016 Advanced Materials for Power Electronics based on wide bandgap semiconductor devices technology
3. NMBP-03-2016 Innovative and sustainable materials solutions for the substitution of critical raw materials in the electric power system
4. NMBP-07-2017 Systems of materials characterisation for model, product and process optimization
5. NMBP-11-2016 ERA-NET on Nanomedicine
6. NMBP-17-2016 Advanced materials solutions and architectures for high efficiency solar energy harvesting
7. NMBP-18-2016 Advanced materials enabling the integration of storage technologies in the electricity grid
8. NMBP-19-2017 Cost-effective materials for "power-to-chemical" technologies
9. NMBP-26-2016 Analytical techniques and tools in support of nanomaterial risk assessment
10. BIOTEC-01-2016: ERA-NET Cofund on Biotechnologies
11. BIOTEC-02-2016: Bioconversion of non-agricultural waste into biomolecules for industrial applications
12. BIOTEC-03-2016: Microbial chassis platforms with optimized metabolic pathways for industrial innovations through systems biology
13. BIOTEC-05-2017: Microbial platforms for CO2-reuse processes in the low-carbon economy
14. BIOTEC-06-2017: Optimisation of biocatalysis and downstream processing for the sustainable production of high value-added platform chemicals
15. BIOTEC-07-2017: New Plant Breeding Techniques (NPBT) in molecular farming: Multipurpose crops for industrial bioproducts

CALL - GREENING THE ECONOMY CLIMATE SERVICES

16. SC5-01-2016-2017: Exploiting the added value of climate services ((IA1)
17. SC5-02-2017: Integrated European regional modelling and climate prediction system (RIA)
18. SC5-03-2016: Climate services market research (RIA)
19. SC5-04-2017: Towards a robust and comprehensive greenhouse gas verification system (RIA)
20. SC5-05-2016: A 1.5 million year look into the past for improving climate predictions (CSA)
21. SC5-08-2017: Large-scale demonstrators on nature-based solutions for hydrometeorological risk reduction (IA)
22. SC5-10-2016: Multi-stakeholder dialogue platform to promote innovation with nature to address societal challenges (CSA)

[1] The priority list is not fully-complete and will be complemented by priority topics under calls from FET, ICT, Space, Energy, JTIs, Art 185 projects, and MSCA.

23. SC5-11-2016: Supporting international cooperation activities on water (CSA)
24. SC5-16-2016-2017: Raw materials international co-operation (CSA)
25. SC5-18-2017: Novel in-situ observation systems (RIA)
26. SC5-28-2016: Transformations to sustainability (ERA-NET-Cofund)
27. SC5-20-2016: European data hub of the GEOSS information system

CALL: SMART AND SUSTAINABLE CITIES' (ON SUSTAINABLE CITIES THROUGH NATUREBASED SOLUTIONS)

28. SCC-03-2016: New governance, business, financing models and economic impact assessment tools for sustainable cities with nature-based solutions (urban re-naturing) (RIA)

CALL: BLUE GROWTH – DEMONSTRATING AN OCEAN OF OPPORTUNITIES

29. BG-1-2016: Large-scale algae biomass integrated biorefineries
30. BG-4-2017: Multi-use of the oceans marine space, offshore and near-shore: Enabling technologies
31. BG-5-2016: ERANET COFUND on marine technologies
32. BG-09-2016: An integrated Arctic observation system
33. BG-10-2016: Impact of Arctic changes on the weather and climate of the Northern Hemisphere (RIA)
34. BG-11-2017: The effect of climate change on Arctic permafrost and its socio-economic impact, with a focus on coastal areas

CALL: COMPETITIVE LOW-CARBON ENERGY (ON APPLIED GEO-SCIENCES)

35. LCE-26-2016: Cross-thematic ERA-NET on Applied Geosciences (ERA-NET Cofund)

CALL: SUPPORT TO POLICY AND INTERNATIONAL COOPERATION

36. INFRASUPP-01-2016: Policy and international cooperation measures for research infrastructures
37. INFRASUPP-02-2017: Policy and international cooperation measures for research infrastructures

CALL: SUSTAINABLE FOOD SECURITY – RESILIENT AND RESOURCE-EFFICIENT VALUE CHAINS

38. SFS-01-2016: Solutions to multiple and combined stresses in crop production
39. SFS-02-2016: Teaming up for good: Exploiting the benefits of species diversity in cropping systems
40. SFS-03-2016: Testing and breeding for sustainability and resilience in crops
41. SFS-05-2017: Robotics Advances for Precision Farming
42. SFS-10-2017: Research and approaches for emerging diseases in plants and terrestrial livestock
43. SFS-12-2016: Support for international research on animal health
44. SFS-13-2017: Validation of diagnostic tools for animal and plant health
45. SFS-14-2016: Understanding host-pathogen-environment interactions
46. SFS-15-2016-2017: Breeding livestock for resilience and efficiency
47. SFS-17-2017: Innovations in plant protection
48. SFS-19-2016: ERA-NET Cofund: Public-Public Partnerships in the bioeconomy

49. SFS-21-2016/2017: Advancing basic biological knowledge and improving management tools for commercially important fish and other seafood species
50. SFS-22-2017: Smart fisheries technologies for an efficient, compliant and environmentally friendly fishing sector
51. SFS-26-2016: Legumes - Transition paths to sustainable legume-based farming systems and agri-feed and food chains
52. SFS-31-2016: Farming for tomorrow: developing an enabling environment for resilient and sustainable agricultural systems
53. SFS-32-2017: Promoting and supporting eco-intensification of aquaculture production systems: inland (including fresh water), coastal zone and offshore
54. SFS-33-2016: Understanding food value chain and network dynamics
55. SFS-34-2017: Innovative agri-food chains: unlocking the potential for competitiveness and sustainability
56. SFS-35-2017: Innovative solutions for sustainable food packaging
57. SFS-37-2016: The impact of consumer practices in food safety: risks and mitigation strategies
58. SFS-40-2017: Sweeteners and sweetness enhancers
59. SFS-46-2017: Alternative production system to address anti-microbial drug usage, animal welfare and the impact on health

CALL: BIO-BASED INNOVATION FOR SUSTAINABLE GOODS AND SERVICES - SUPPORTING THE DEVELOPMENT OF A EUROPEAN BIOECONOMY

60. BB-1-2016: Sustainability schemes for the bio-based economy
61. BB-2-2017: Towards a methodology for the collection of statistical data on bio-based industries and bio-based products
62. BB-3-2017: Adaptive tree breeding strategies and tools for forest production systems resilient to climate change and natural disturbances
63. BB-4-2016: Intelligent solutions and tools in forest production systems, fostering sustainable supply of quality wood for the growing bioeconomy
64. BB-5-2017: Bio-based products: Mobilisation and mutual learning action plan
65. BB-6-2016: The regional dimensionof Bio-based industries

CALL: RURAL RENAISSANCE - FOSTERING INNOVATION AND BUSINESS OPPORTUNITIES

66. RUR-13-2017: Building a future science and education system fit to deliver to practice

CALL: PERSONALISED MEDICINE

67. SC1-PM-01-2016: Multi omics for personalised therapies addressing diseases of the immune system
68. SC1-PM-02-2017: New concepts in patient stratification
69. SC1-PM-03–2017: Diagnostic characterisation of rare diseases
70. SC1-PM-04–2016: Networking and optimising the use of population and patient cohorts at EU level
71. SC1-PM-05–2016: The European Human Biomonitoring Initiative
72. SC1-PM-06–2016: Vaccine development for malaria and/or neglected infectious diseases
73. SC1-PM-07–2017: Promoting mental health and well-being in the young
74. SC1-PM-08–2017: New therapies for rare diseases
75. SC1-PM-09–2016: New therapies for chronic diseases

76. SC1-PM-10–2017: Comparing the effectiveness of existing healthcare interventions in the adult population
77. SC1-PM-11–2016-2017: Clinical research on regenerative medicine
78. SC1-PM-12–2016: PCP - eHealth innovation in empowering the patient
79. SC1-PM-13–2016: PPI for deployment and scaling up of ICT solutions for active and healthy ageing
80. SC1-PM-14–2016: EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities
81. SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age
82. SC1-PM-16–2017: In-silico trials for developing and assessing biomedical products
83. SC1-PM-17–2017: Personalised computer models and in-silico systems for well-being
84. SC1-PM-18–2016: Big Data supporting Public Health policies
85. SC1-PM-19–2017: PPI for uptake of standards for the exchange of digitalised healthcare records
86. SC1-PM-20-2017: Development of new methods and measures for improved economic evaluation and efficiency measures in the health sector
87. SC1-PM-21-2016: Implementation research for scaling-up of evidence based innovations and good practice in Europe and low- and middle-income countries
88. SC1-HCO-01-2016: Valorisation of FP7 Health and H2020 SC1 research results
89. SC1-HCO-02-2016: Standardisation of pre-analytical and analytical procedures for in vitro diagnostics in personalised medicine
90. SC1-HCO-03–2017: Implementing the Strategic Research Agenda on Personalised Medicine
91. SC1-HCO-04–2016: Towards globalisation of the Joint Programming Initiative on Antimicrobial resistance
92. SC1-HCO-05–2016: Coordinating personalised medicine research
93. SC1-HCO-06–2016: Towards an ERA-NET for building sustainable and resilient health system models
94. SC1-HCO-07–2017: Global Alliance for Chronic Diseases (GACD)
95. SC1-HCO-08–2017: Actions to bridge the divide in European health research and innovation
    SC1-HCO-09–2016: EU m-Health hub including evidence for the integration of mHealth in the healthcare systems
96. SC1-HCO-10–2016: Support for Europe's leading Health ICT SMEs
97. SC1-HCO-11–2016: Coordinated action to support the recognition of Silver Economy opportunities arising from demographic change
98. SC1-HCO-12–2016: Digital health literacy
99. SC1-HCO-13-2016: Healthcare Workforce IT skills
100. SC1-HCO-14–2016: EU-US interoperability roadmap
101. SC1-HCO-15-2016: EU eHealth Interoperability conformity assessment
102. SC1-HCO-16-2016: Standardisation needs in the field of ICT for Active and Healthy Ageing

CALL: HORIZON 2020 DEDICATED SME INSTRUMENT 2016-2017

103. SMEInst-05-2016-2017 - Supporting innovative SMEs in the healthcare biotechnology sector
104. SMEInst-06-2016-2017 - Accelerating market introduction of ICT solutions for Health, Well-Being and Ageing Well

CALL: UNDERSTANDING EUROPE - PROMOTING THE EUROPEAN PUBLIC AND CULTURAL SPACE

105. H2020-SC6-CULT-COOP-2016-2017 - Virtual museums and social platform on European digital heritage, memory, identity and cultural interaction

CALL: MOBILITY FOR GROWTH

106. MG-1.1-2016 Reducing energy consumption and environmental impact of aviation
107. MG-1.2-2017 Reducing aviation noise
108. MG-1.3-2017 Maintaining industrial leadership in aeronautics
109. MG-1.4-2016-2017 Breakthrough innovation
110. MG-1.5-2016-2017 Identification of gaps, barriers and needs in the aviation research
111. MG-3.1-2016 Addressing aviation safety challenges
112. MG-6.1-2016 Innovative concepts, systems and services toward 'mobility as a service
113. MG-8.1-2016 Research, technology development and market trends for the European transport manufacturing industries

CALL: INDUSTRY 2020 IN THE CIRCULAR ECONOMY

114. H2020-FOF-01-2016 Novel hybrid approaches for additive and subtractive manufacturing machines

CALL: INTEGRATING AND OPENING RESEARCH INFRASTRUCTURES OF EUROPEAN INTEREST

115. INFRAIA-02-2017 Integrating Activities for Starting Communities

For examples of the Russian national call documentation, rules and requirements of the FTP "R&D in Priority Areas of Development of the Russian S&T Complex 2014-2020", please refer to: http://www.fcpir.ru/participation_in_program/contests/list_of_contests/1_published/2016-14-588-0002/

A list of Russian research infrastructures (large-scale research facilities) which have expressed interest in cooperation with European scientific communities and which may be of particular interest to European researchers and scientists is available here: Russian research infrastructures and facilities.

EU priorities for future cooperation with Russia are outlined in the roadmap: http://ec.europa.eu/research/iscp/pdf/policy/annex_roadmaps_sep-2014.pdf

3. Brochures or other local communication materials aiming at to support Russian participation in Horizon 2020

A dedicated Russian-language information brochure about Horizon 2020 has been published and is available on the website of the Science and Technology Section of the Delegation of the European Union to the Russian Federation (see "Horizon 2020 Info Kit, including a practical guide for researchers from Russia (in Russian) zip"):
http://eeas.europa.eu/delegations/russia/documents/eu_russia/fields_of_cooperation/h2020_info_kit_(en).zip

4. Webpage of the Delegation of the European Union to the Russian Federation and functional mailboxes which can be addressed in specific questions

Delegation of the European Union to the Russian Federation: www.EUinRussia.ru

Science and Technology Section of the Delegation of the European Union to the Russian Federation: http://eeas.europa.eu/delegations/russia/eu_russia/fields_cooperation/science_technology/index_en.htm

Questions may be addressed to:

- Science & Technology section: delegation-russia-science@eeas.europa.eu
- Ministry of Education & Science of the Russian Federation: horizon2020@mon.gov.ru

5. List and availability of local National Contact Points including for the European Research Council and Marie Skłodowska-Curie actions

The Ministry of Education and Science of the Russian Federation has selected organizations to represent Russian National Contact Points (NCPs) within the European Framework Programme for Research and Innovations «Horizon 2020». Please note that the NCP status is given to a legal entity, each of which is represented by 1 or several persons.

National NCP coordinator
Organisation name: Ministry of Education and Science of the Russian Federation
Ms Tatiana Viktorovna SHASHKOVA, Tel: +7 495 530 67 92

1. Aeronautics / Smart, green and integrated transport
Organisation name: TsAGI - N.E. Zhukovsky Central Aerohydrodynamic Institue
http://ncp.tsagi.ru
Mr Evgeni Vladimorovich ANDREEV, Tel: +7 495 556 31 62
Ms Anna Alexandrovna RYZHOVA, Tel: +7 495 556 41 18

2. Food security, sustainable agriculture, marine and maritime research and the bio-economy'; & 'Biotechnology'
Organisation name: A.N.Bach Institute of Biochemistry, Russian Academy Sciences
Address: Leninsky Prospect, 33, 119071, Moscow, Russian Federation
http://bio-economy.ru/
Prof. Vladimir Olegovich POPOV, Tel: +7 495 954 44 74
Ms Irina Valerievna SHAROVA, Tel: +7 495 954 44 74

3. Nanotechnology, materials and new industry technologies
Organisation name: National Research Centre 'Kurchatov Institute'
Address: Ploschad Akademika Kurchatova 1, 123182, Moscow, Russian Federation
Dr. Artem Alexandrovich BALYAKIN - Russian Federation, Tel: +7 499 196 7469
Mr Andrey Sergeevich MALYSHEV, Tel: +7 499 196 6640

4. Information & communication technologies (ICT)
Organisation name: ARENA - National Association of Research and Educational e-Infrastructures
Address: Vavilov Street 40, 119333, Moscow, Russian Federation
http://www.e-arena.ru
Dr. Marat Ramilevich BIKTIMIROV, Tel: +7 499-1352598
Mr Vladimir Leonidovich GLEBSKY, Tel: +7 499 135 2598

5. Energy (Non-nuclear) / Secure, clean and efficient energy
Organisation name: MPEI - National Research University 'Moscow Power Engineering Institute'
Address: Krasnokazarmennaya str., 14, 111250, Moscow, Russian Federation
http://www.fp7-energy.ru
Mr Nikolay Dmitrievich ROGALEV, Tel: +7-495 362 72 01
Ms. Elena Nikolaevna CHISTYAKOVA, Tel: +7 916 799 54 66
Mr. Andrey Sergeevich KUZMINOV, Tel: +7 495 363 77 96

6. Health / Health, demographic change and wellbeing
Organisation name: Lomonosov Moscow State University
Address: Lomonosovsky prospect, 31, bldg 5, 117192, Moscow, Russian Federation
Tel: +7-495 932 8814+7-495-932-9904
http://fp7-health.ru
Prof. Vsevolod Arsenyevich TKACHUK, Tel: +7 495 932 8814, +7 495 932 9904
Ms Elena Vladimirovna TARASOVA , Tel: +7 495 932 9904

7. Environment including climate change / Climate action, resource efficiency and raw materials
Organisation name: Puschchino State Institute of Natural Sciences
http://ncp-eco.ru/
Mr Mikhail Borisovich VAINSHTEIN, Tel: +7 4967 73 26 77
Ms Anna Andriyanovna VETROVA , Tel: +7 910 940 6287
Mr Sergey Lvovich SOKOLOV , Tel: +7 916 390 8958
Mr Vadim Ivanovich SHAROV, Tel: +7 985 160 1921

8. European Research Infrastructures
Organisation name: MISIS - National University of Science & Technology
Address: Leninsky prospect, 4, 119049, Moscow, Russian Federation
http://fp7-infra.ru
Prof. Evgeny Alekshandrovich LEVASHOV, Tel: +7 495 638 45 00
Dr. Marine Karapetovna MELKONYAN, Tel: +7 495 638 4629

9. SMEs
Organisation name: FASIE - Foundation for Assistance to Small Innovative Enterprises
Address: Kurchatov str., 47, 249038, Obninsk, Russian Federation
http://www.fasie.ru
http://www.ncp-fp7-sme.ru
Ms Olga Georgievna LEVCHENKO, +7 495 231-3851

10. Science with and for Society / Inclusive, innovative and reflective societies
Organisation name: National Research University - Higher School of Economics
Address: Myasnitskaya, 20, 101000, Moscow, Russian Federation
http://www.hse.ru
http://fp.hse.ru/
Prof. Leonid Markovich GOKHBERG, Tel: +7 495 621 28 73
Ms Liliana Nikolaevna PROSKURYAKOVA, Tel: +7 495 772 95 90 ext. 12495
Ms Elena Gennad'evna NASYBULINA, Tel: +7 495 772 95 90 ext. 11540

11. European Research Council
Organisation name: Organisation name: National Research University - St. Petersburg State Polytechnic University
Address: Universitetskaya nab. 5, 199034, St. Petersburg, Russian Federation
http://www.spbrc.nw.ru

Dr. Sergey Vasilyevich KOZYREV, Tel: +7 812 534 95 13
Prof. Vladimir Anatolyevich YEROKHIN, Tel: +7 812 596 28 31

St. Petersburg Academic University – Science & Education Nano-Technology Centre of the Russian Academy of Science
Mr Mikhail Vladimirovich DUBINA - Russian Federation, Tel: +7-812 534 5850

Lomonosov Moscow State University
Svetlana Vladimirovna MAMAKINA, (+7-495) 939-1250

12. Marie Skłodowska-Curie actions on skills, training and career development
Organisation name: National Research University - Higher School of Economics
Address: Myasnitskaya, 20, 101000, Moscow, Russian Federation
http://www.hse.ru
http://fp.hse.ru/
Prof. Leonid Markovich GOKHBERG, Tel: +7 495 621 28 73
Dr Anna Gennadievna PIKALOVA, Tel: +7 495 628 32 54
Ms Elena Gennad'evna NASYBULINA, Tel: +7 495 772 95 90 ext. 11540