

Innovation Activities

The innovation programme of JINR for 2017–2023 is developed to serve the interests of its Member States and implies a framework of measures to be realized in collaboration with Russian development institutions as well as public and private organizations of the Member States. The innovation programme covers the following scope of goals and activities.

I. Technology transfer and commercialization

1. Innovation initiatives based on JINR's fundamental and applied science resources and expertise (including the NICA project) in the area of accelerator physics, low-temperature physics, solid-state and condensed matter physics, biophysics and radiobiology, radiation medicine, computational mathematics and cybernetics, materials science, nanotechnologies, security and special purposes systems and big data.

Collaboration with businesses, science and technology centres and universities of the JINR Member States to develop technologies with commercial potential.

2. Establishment of a favorable environment for spin-offs and start-ups based on JINR technologies and for the growth of JINR's innovative potential, in collaboration with the Member States and in compliance with JINR's intellectual property policy.

Establishment of "open innovations" environment in accordance with best practices to accelerate intellectual property transformation into technology business.

3. Attraction of Russian federal funding and international funding for JINR innovation projects.

4. Partnership with development institutions, venture funds in Russia and other Member States to accelerate investment into innovation projects on different stages.

5. JINR high-tech services to businesses, government agencies, science and technology institutions on the base of unique expertise and technological infrastructure.

6. Effective collaboration with other elements of Dubna innovation ecosystem, including nanotechnology centers network (firstly JSC "IINC"), territorial technology cluster "Dubna" and special economic zone "Dubna".

II. Global innovation collaboration

1. International innovation activities within the framework of international innovation ecosystem in accordance with the "Innovation partnership project" approved by the JINR Committee of Plenipotentiaries in 2013.

2. Development of partnership with European Union innovation institutions on the basis of JINR's membership in the "Knowledge4Innovation" Association, including European Institute for Innovation and Technology. Active participation in European Innovation Summits and other initiatives.

3. Joint initiatives with national contact points of the Russian Federation and other Member States in accordance with the European science and innovation program "Horizon 2020".

4. Leading science and innovations agenda in professional communities and committees of interstate organizations including JINR Member States, such as CIS, EAEU, BRICS, SCO, RF-Belarus State etc.

5. Supporting scientific and innovation education and training programmes for young scientists from the CIS countries jointly with the International Innovation Centre of Nanotechnology (CIS base organization for science and innovations) and the Intergovernmental Foundation for Educational, Scientific and Cultural Cooperation (IFESCC).

6. Organizing international events in the Member States to promote JINR innovation projects and create effective communication channels with various stakeholders.

7. Mapping database of innovation organizations of the Member States (government agencies, development institutions, business incubators, business accelerators, universities' entrepreneurship centres, technoparks, special economic zones, etc.).

8. Building network of technology transfer/technology business professionals and officials from Member States (similar to CERN's ENET) to identify and pursue the most promising opportunities from JINR laboratories to industries in the Member States.

9. Organizing secondments of Member States students and young specialists at JINR and Russian innovation centres.

10. Participating in relevant international conferences, exhibitions and other innovation related events.

Particular action plans and timeframe for 2017–2023 depend on various factors and are to be developed in JINR innovation plans on an annual basis.