

Association of megaprojects participants: a bridge between material scientists and megascience facilities

Moscow,
2019

Preparation of Federal Scientific and Technical Program for the Development of Synchrotron and Neutron Research and Research Infrastructure for 2019-2027

Ensure during the development and implementation of the Program the “...*training of **professionals in the field of development, design and construction of synchrotron and neutron radiation sources, as well as scientific personnel for conducting synchrotron and neutron R&D to obtain world-class scientific results ...***”

A Decree of the President of the Russian Federation
July 25th , 2019

Material scientists training in Russian universities

Bachelor course:

22.03.01 Materials Science and Materials Technology

Master course:

22.04.01 Materials Science and Materials Technology

More than **60** universities

Around **2 000** graduates annually

Only **6** universities already participate in megascience projects!

Establishment of Association of megaprojects participants



The ceremony of signing the Association Agreement at the meeting of the International Committee for Science Policy of the Kurchatov Institute.

Peterhof, the 7th of December, 2013.

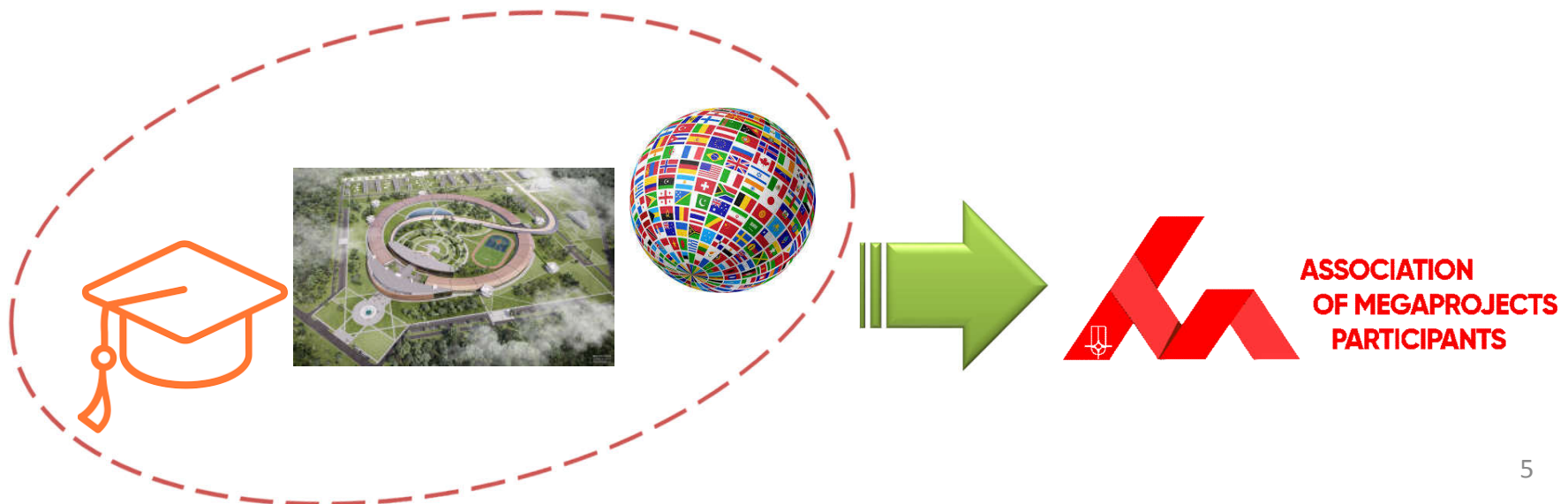
No	Event	Participants	Place and year
1.	Signing of agreement on creating of Association	NRC “Kurchatov Institute” and 16 Russian universities	Peterhof, St. Petersburg State University, 2013
2.	Accession of new members to the Association	15 Russian universities	Moscow, NRC “Kurchatov Institute”, 2014-2018
3.	Registration of the Association as a legal entity	31 Russian universities	Moscow, 2018

Objectives of the Association work:

developing an **integrated research and educational space**;

HR support of research conducted at megascience facilities;

generation of **international scientific and technical cooperation model**, which ensures the identity of the Russian scientific sphere.



Association's participants

Participants



Potential participants



Key activity factors for universities in modern megascience projects

**Basic and partner departments
with leading research
organizations**



**Rich academic mobility
and scientific links**



**Flexibility and constant
updating of educational
programs**



**Professional development
programs and professional
retraining**



Advantages of interaction with the Association

Association of megaprojects participants

- the platform for joint
work of universities and
research centers

- national
interdisciplinary
education system

- forum for updating
higher education
programs according to
the needs of science

- organization of
internships for students
at megascience facilities

Opportunities for universities

- strengthening the
professional demand
of a university
graduate

- expansion of scientific
cooperation

- participation in Russian
and international
megaprojects

Brief plan of Association's work

Action	Time period	Advantages for participants
Meeting of Rector's of participating universities	October 2019	Establishment of student-oriented environment around megascience facilities
Start of website work	November 2019	Access to accumulated information on top events and opportunity to register for experiments
Development of academic mobility	December 2019 – December 2020	Internships, practical events for students and PhDs
Organization of events, conferences, round tables	December 2019 – December 2020	Synchronization of educational politics of Russian scientific and educational organizations



Thank you for your attention!

Andrey Nikolaenko,
Director of Association of megaprojects participants