



TECHNOPROM

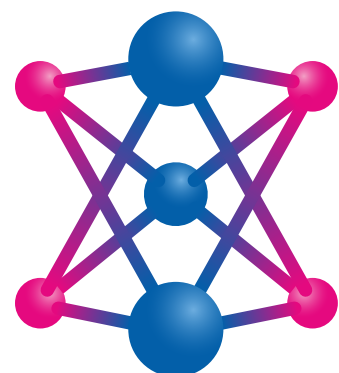


RUSSIAN  
SCIENCE AND TECHNOLOGY  
WEEK

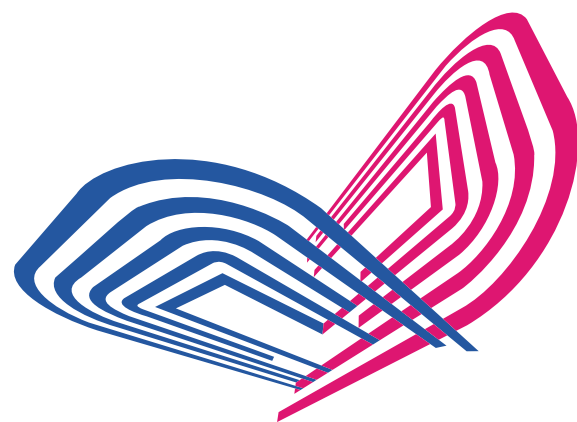
August 23–26, 2022  
Novosibirsk

IX International Forum  
of Technological Development "Technoprom"

# TECHNOLOGICAL SOVEREIGNTY AND SUSTAINABLE DEVELOPMENT OF RUSSIA



**RUSSIAN  
SCIENCE AND TECHNOLOGY  
WEEK**



# TECHNOPROM

IX INTERNATIONAL FORUM  
OF TECHNOLOGICAL DEVELOPMENT



Government  
of the Russian  
Federation



Ministry of Science  
and Higher Education  
of the Russian Federation



Government  
of the Novosibirsk Region



**SB RAS**

Siberian Branch  
of the Russian Academy  
of Sciences

The first Forum  
was held  
in 2013



## FORUM HISTORY

2013 · 2014 · 2015 · 2016 ·

### **2013 - THE SIXTH TECHNOLOGICAL PARADIGM IS A STRATEGIC VECTOR OF THE DEVELOPMENT OF RUSSIA**

Report to the President of the Russian Federation on the measures to ensure technological leadership of the Russian economy and the need to develop the National Technology Policy

### **2014 - THE ERA OF TECHNOLOGICAL DEVELOPMENT: TIME FOR NEW VICTORIES**

The mechanisms for the transition to the sixth technological paradigm were proposed through the active development of science, technology and engineering

### **2015 - THE ENERGY OF A TECHNOLOGICAL BREAKTHROUGH**

The proposal to prepare the Strategy of scientific and technological development of the Russian Federation was launched

### **2016 - DEVELOPMENT OF THE ARCTIC**

Proposals for the Development Strategy for the Arctic Zone of the Russian Federation were prepared



# 2017 2018 2019 2021

## 2017 - MAKE IN RUSSIA!

Proposals were made on the diversification of the Russian economy in the context of the "new industrial revolution", challenges of import substitution in traditional markets and entry into foreign markets of high-tech products

## 2018 - SCIENCE AS AN INDUSTRY IN THE CONTEXT OF THE "PERFECT STORM"

The President of the Russian Federation supported the initiative to develop the Novosibirsk Scientific Center - the Akademgorodok 2.0 project

## 2019 - NEW ERA SCIENCE: TRANSFORMATION TECHNOLOGIES

Stimulating technological leadership of Russia by deepening international cooperation in science and industry

## 2021 - SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT: RESPONDING TO NEW CHALLENGES

Retention of the scientific and technological leadership of the country under the new conditions, updating the existing national scientific and technological agenda

# 2022

**FORUM  
ORGANIZERS:**



Government  
of the Russian  
Federation



Ministry of Science  
and Higher  
Education  
of the Russian  
Federation



Government  
of the Novosibirsk  
Region



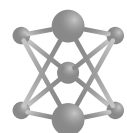
**SB RAS**

Siberian Branch  
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**IX INTERNATIONAL FORUM  
OF TECHNOLOGICAL DEVELOPMENT  
"TECHNOPROM"  
IN THE FORMAT OF RUSSIAN  
SCIENCE AND TECHNOLOGY WEEK**

**GOAL:**

Facilitation of technological sovereignty, sustainable economic and social development of the Russian Federation by increasing technological security, development of national scientific and industrial infrastructure





01

- Identification of problems in technological chains related to potential external risks, search for technological solutions and import substitution opportunities in the field of microelectronics, scientific instrumentation, medicine and other relevant areas

02

- Assistance in the execution of the instructions of the President of the Russian Federation based on the results of the joint meeting of the State Council of the Russian Federation and the Council under the President of the Russian Federation for Science and Education on 12/24/2021 (Pr-290)

#### ISSUES:

03

- Development of technological frontiers, promotion of cross-industry cooperation, presentation of full-cycle projects, ensuring efficient dialogue between representatives of the industry, business, science, education and government

04

- Development of strategic solutions to improve the competitiveness of Russian science and industry according to the priorities of scientific and technological development

# FORUM CONCEPT



# TARGET AUDIENCE

Heads and representatives of federal state authorities and regions of the Russian Federation

State Corporations, Industrial Companies, Holding Companies

R&D and Educational Institutions

Institutes for development in the fields of science, technology and innovation

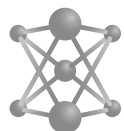
Entities of scientific, technological and innovative infrastructure: Research Equipment Sharing Centers, Engineering Centers, prototyping Centers, Technology Transfer Centers, Technoparks, Clusters

Researchers, scientists, engineers, developers, inventors

Venture investors and technology entrepreneurs

Academic towns, science towns, special economic zones, territories of advanced social and economic development

Lecturers, Ph.D. candidates, students





# OPPORTUNITY SPACE

## STATE AUTHORITIES:

To present the results of the execution of the instructions of the President of the Russian Federation based on the results of the joint meeting of the State Council of the Russian Federation and the Council under the President of the Russian Federation for Science and Education on 12/24/2021 (Pr-290)

To get information about the needs of high-tech sector representatives, to present and discuss state-led initiatives and decisions, to receive feedback

## CORPORATIONS:

To present their development strategies, discuss technological barriers and engage SMEs and science to overcome them, receive up-to-date information on state policy trends, initiatives and mechanisms

To discuss technological frontiers with leaders of other industries, to discuss cross-industry cooperation in long-chain projects, to exchange experience in innovation management and interaction with partners, to attract ideas and qualified specialists

## SCIENTIFIC INSTITUTIONS:

To get a chance to affect the national agenda of scientific and technological development, to receive information on state policy priorities and state order elaboration

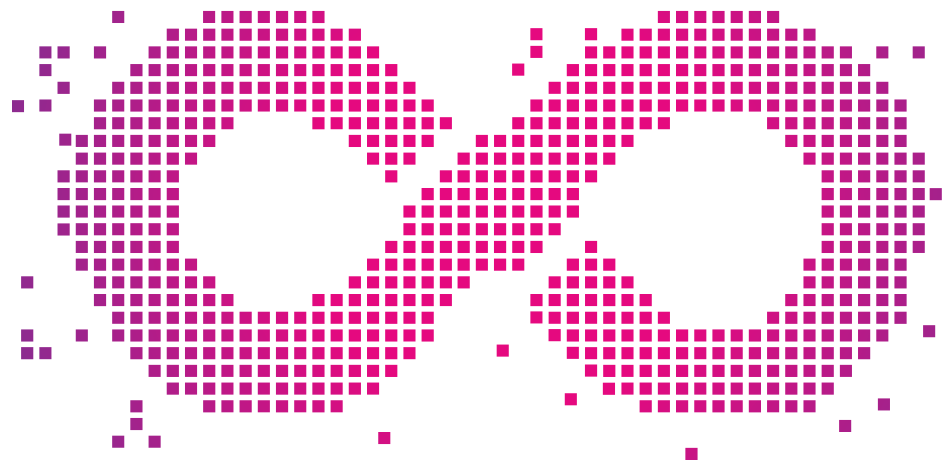
To attract investments, to find partners, to get information on state support options

## TECH ENTREPRENEURS:

To find opportunities, to present new products and markets, to pitch projects, to find investors and supporting measures

## PROFESSIONALS AND STUDENTS:

Career growth, information on big projects, priorities and trends, search for opportunities and investments



# Russian Science and Technology Week

## EVENTS ECOSYSTEM

### FORUM EVENTS:

- XVI Siberian Venture Fair
- II National Technology Transfer Forum
- Scientific and Industrial Film Festival Si
- Forum of the Association of Clusters, Technoparks and SEZS of Russia
- Science and Industry Symposium

### EVENTS OF DEVELOPMENT INSTITUTES:



**THE ECOSYSTEM  
WILL ALSO  
INCLUDE  
OTHER EVENTS**





# FORUM ARCHITECTURE

Congress and Exhibition  
Program



# MAIN TOPICS

## Scientific and Technological Policy Issues:

- Federal and regional aspects of the implementation of the State Program "Scientific and Technological Development of the Russian Federation"; efficiency evaluation system for scientific programs and projects; territories with high scientific and technological potential
- Mechanisms of interaction between industry, business, science, education and government: presentation of NTI Competence Centers, Technology Transfer Centers; World-Class Research and Research and Educational Centers (WCRC and REC)
- Russian HR policy in the field of science and innovation: our "points of growth", programs for schoolchildren and youth; scientific volunteering and scientific tourism; presentation of the best university development projects under the "Priority 2030" program
- International cooperation in the field of science and innovation under the current macroeconomic and geopolitical conditions

## Biotechnologies and biosafety, agrotechnologies and food security

## MegaScience projects in the field of nuclear physics: fundamental science and applied issues

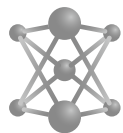
## Creative industries in the hi-tech sphere

## Digitalization of science and industry:

Digital twins, artificial intelligence technologies, import substitution of civil electronics, search for technological solutions in the field of scientific instrumentation, medicine and other relevant areas

## Global energy transition: yesterday and today (how priorities change - the global market for Russian energy products in the face of external sanctions):

- Hydrogen energy
- State-of-the-art technologies of extraction and processing hydrocarbons and solid minerals
- New markets for climate projects, carbon farms and landfills



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## Plenary session TECHNOLOGICAL SUSTAINABILITY AND ECONOMIC SECURITY OF THE RUSSIAN FEDERATION

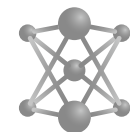
- Competitiveness of Russian technological solutions
- Digitalization of science and industry
- Sustainable development technologies
- Russian power resources and global power industry
- Closed-loop economy
- Import substitution in the production of civil electronics, scientific instrumentation, medicine
- Technological development of the agro-industrial complex

FORUM CONCEPT



# ТЕХНОПРОМ

VIII МЕЖДУНАРОДНЫЙ ФОРУМ  
ТЕХНОЛОГИЧЕСКОГО РАЗВИТИЯ



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## Discussions about scientific and technological policy

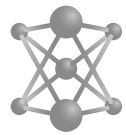
- Conference on the technological development of the regions of the Siberian Federal District with participation of the governors
- Joint meeting of the Commission of the State Council of the Russian Federation and the Commission for Scientific and Technological Development of the Russian Federation

### Strategic sessions:

- Science and Technology decade in the Russian Federation
- Development of scientific instrumentation for civil purposes
- Mechanisms to evaluate research and development efficiency
- The project of 25 campuses for educational institutions
- Elaboration of the national rating of scientific and technological development of the territorial entities of the Russian Federation

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## Events with Industrial Partners

- Expert sessions on energy transfer and hydrogen energy
- Technological foresight sessions on engine building issues
- Strategic sessions on the development of biotechnologies and biosafety issues
- Round tables to discuss the best practices of REC and WCRC, mechanisms to evaluate the performance and principles of REC rotation, practical aspects of technology transfer
- Panel discussions on megascience project development
- Master classes on the best cases of digitalization of regions
- Strategic session on attracting leading scientists to Research and Educational Institutions and State Research Centers of the Russian Federation



Rosatom



Gazprom



Rusnano



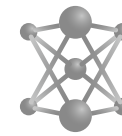
Rostec



Siberian Branch  
of the Russian  
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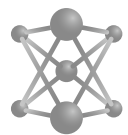


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## Presentations

- NTI Competence Centers
- Technology Transfer Centers
- NTI Sovereign Technology Companies
- The best technological solutions in import substitution
- The best cases of the "Priority 2030" program
- Outcomes of the federal project "Platform of University Technological Entrepreneurship"





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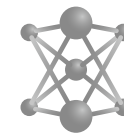


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## Promotion of Scientific and Technological Knowledge

- Events of the Congress of Young Scientists (preparation for the annual event in Sochi)
- The final of the Competition of youth innovative projects UMNIIK
- 3D Technology Olympiad
- Intellectual Competitions "Science Slam"
- Festival of Scientific and Industrial Cinema Si
- Lectures of the Russian Society "Knowledge"
- Discussion of the development of the executive candidate pool in the area of research and education
- Strategic session on the development of scientific volunteering
- Strategic session on the development of popular science tourism





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## Exhibition Program

The exhibition is represented by a series of thematic stands where an event area for 10-30 participants is located.

Within four days, the following events will take place:

- Presentation of technological achievements of Russian Companies, State Corporations and Development Institutes
- Job fair of Companies, State Corporations and Development Institutes
- Presentation of REC, WCRC, TTC projects, Basic Universities and leading Scientific Institutes of the Russian Academy of Sciences
- Joint events of industrial partners with Institutes of the Russian Academy of Sciences, signing scientific memorandums with Russian and foreign partners
- Events of the Forum educational program

## STRATEGIC PARTNERS OF THE FORUM:



Ministry of Digital Development, Communications and Mass Media of the Russian Federation



Ministry of Economic Development of the Russian Federation



Ministry of Industry and Trade of Russia



Russian Academy of Sciences



Rosatom



Rostec



National priorities



NTI platform



Российский научный фонд  
Russian Science Foundation



Russian Foundation for Advanced Research Projects



Agency for Strategic Initiatives



Foundation for the Promotion of Innovation



Российское общество "Знание"  
Russian Society "Knowledge"



Skolkovo

## INFORMATION PARTNERS:



ТАСС  
The Russian News Agency



VGTRK  
All Russia State Television and Radio Broadcasting



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