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REPORT ON THE DEVELOPMENT
OF NUCLEAR TOWNS AND CITIES

RUB 7.856
BILLION

FUNDING FOR NATIONAL
PROJECTS

IN 27 TOWNS AND CITIES
WHERE ROSATOM OPERATES

STATEMENT OF THE HEAD OF DEPARTMENT FOR LIAISON WITH REGIONS

Today, an important strategic task is to ensure the technological sovereignty of Russia, and ROSATOM's enterprises can contribute to its achievement. Key industry enterprises are concentrated in 27 towns and cities where nuclear facilities are located. We proudly call them nuclear towns and cities. Their residents make high demands with regard to the standards of consumption, quality of services and the standard of living, expecting them to match those in large metropolitan cities. The world is changing, regional capitals are improving, and towns and cities need to keep pace with these changes; the more attractive nuclear towns and cities are as a place for people to live in, the higher their economic and social potential.

Competition for high-quality human capital necessitates, among other things, a rethinking of approaches to the management of urban development, the modernisation of urban spaces, and the creation of an attractive and comfortable urban environment. We have been doing this systematically for more than five years, and the residents of nuclear towns and cities see how exciting our towns and cities are becoming and appreciate it. Moreover, as part of our efforts to create a comfortable urban environment,

we address a wide range of issues, from urban improvement to the development of digital urban services. All senior officials of nuclear towns and cities are concerned with creating a new image of these towns and cities, the digitisation of services, the modernisation of public spaces and the rethinking of the urban culture in general, which directly contributes to improving the quality of life in the modern world.

Our key priority is to increase the effectiveness of participation of our host towns and cities in the implementation of national projects and the achievement of the Sustainable Development Goals. For instance, in 2022, the total volume of funding for national projects in 27 towns and cities where ROSATOM operates increased by 37% year on year and reached RUB 7,856.31 million, including capital investments totalling RUB 4,669.49 million.

In 2022, eight nuclear towns and cities won the 6th National Competition for the Best Projects to Create a Comfortable Urban Environment, which totals 5% of the nationwide figures.

22 out of 27 nuclear towns and cities (81%) have been assigned an urban environment quality rating indicating a favourable urban environment.

22.7 RUB BILLION

RETURNED IN TAXES BY ORGANISATIONS OF THE CONSOLIDATED TAXPAYER GROUP

The closed administrative and territorial formation (CATF) of Sarov was given the highest score (235 points).

We have continued to support and develop the town of Usolye-Sibirskoye, where over 20 large-scale initiatives have been implemented.

A set of measures taken to support the healthcare sector in nuclear towns and cities has made it possible to increase the level of satisfaction of their residents with medical care provided to them to 61% (2021: 36%).

GRI 203-2 However, there have also been certain decisions that are beyond our control. More specifically, the institution of the consolidated taxpayer group (CTG) has been abolished as from 1 January 2023. Under agreements with regions that have been in force since 2013 and have been implemented by the entities forming part of ROSATOM's CTG, over RUB 222.5 billion has been reinvested in nuclear towns and cities, which has greatly facilitated their modernisation. In 2022, RUB 22.7 billion was returned in taxes.

Due to these circumstances, we are constantly taking steps to leverage other social and economic support mechanisms and attract investments for urban development. For instance, at year-end 2022, the number of registered resident companies in all of the Corporation's PDAs, including single-industry towns and cities, totalled 160 companies; investments under agreements grew to RUB 75.9 billion, and the number of new jobs reached 9,397.

Thanks to a systematic approach to investor relations, the number of PDA residents in closed nuclear towns and cities has increased from two to 87 since 2019. During 2022, 23 new resident companies were attracted, and the area of the PDAs was expanded by 166 hectares.

In the reporting year, ROSATOM established its representative offices in all federal districts in order to promote civilian products of the Corporation and its integrators on regional markets.

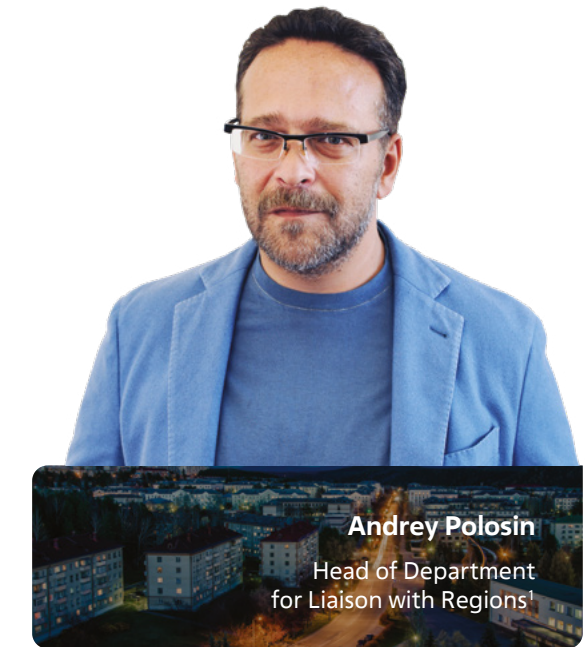
The 6th Forum of Towns and Cities with High Science and Technology Potential in 2022 was structured as a series of expert discussions that were distributed over time (during six months) and held in various

Russian cities (Moscow, Cherepovets, Obninsk and Sevastopol).

Given the main focus of its efforts to promote social development, the Corporation implements industry-wide social initiatives in nuclear towns and cities, such as ROSATOM's School, ROSATOM's Territory of Culture and numerous projects of the Nuclear Towns and Cities Union. In 2022, as part of these initiatives, organisational and methodological support was provided for more than 350 events.

Throughout the past year, commissions and community liaison offices of ROSATOM's Public Council were active in the field of environmental protection, healthcare, environmental education and the development of nuclear towns and cities.

I am confident that information presented in the report will be useful to stakeholders. ROSATOM's efforts to create a comfortable and exemplary social environment in nuclear towns and cities will accelerate progressively. After all, it is the residents of our host towns and cities who drive scientific progress, help to ensure technological sovereignty and promote innovative development in the nuclear industry and the country as a whole.



1. In 2022.

Key Results in 2022

- Funding for national projects in 27 towns and cities where ROSATOM operates increased by 37% (RUB 7.856 billion).
- 22 towns and cities were assigned an urban environment quality rating indicating a favourable urban environment.
- The level of satisfaction of local residents with medical care provided to them stood at 61% (2021: 36%);
- Investments by PDA residents grew to RUB 75.9 billion.
- The number of new jobs to be created was projected at 9,397.

Key Events in 2022

- ROSATOM established its representative offices in federal districts in order to promote the Corporation’s civilian products on regional markets.
- As part of industry-wide social initiatives, organisational and methodological support was provided for more than 350 events.
- Eight nuclear towns and cities won the 6th National Competition for the Best Projects to Create a Comfortable Urban Environment.

GRI 3-3 4.1. DEVELOPMENT PRIORITIES

The operations of ROSATOM’s largest organisations determine the social and economic climate in towns and cities where nuclear power plants are located, in closed administrative and territorial formations (CATFs) and priority development areas (PDAs). Therefore, the Corporation attaches great importance to improving the quality of life in nuclear towns and cities, promoting effective communication and cooperation with governments at all levels and with local communities, maintaining the talent pipeline and encouraging investments.

One of the key sustainable development objectives for ROSATOM and its organisations is to drive systematic improvement in the standard of living of employees and their families by promoting social and economic development in the regions where nuclear facilities are located.

Initiatives focused on the development of nuclear towns and cities are implemented by ROSATOM’s Department for Liaison with Regions (hereinafter referred to as the Department).

Key objectives of the Department are:

- To coordinate the activities and enable effective cooperation between the Department and civil society organisations, governments and the relevant departments of organisations operating in nuclear towns and cities;

Given the scale of its operations in Russia and abroad, the Corporation recognises its responsibility towards a wide range of stakeholders for protecting the environment, ensuring industrial and radiation safety, ensuring the safety and protecting the health of employees in the nuclear industry, contractors and the general public, and for operating in a manner promoting long-term sustainable development in its regions of operation.

- To involve civil society organisations and local governments in joint initiatives aimed at creating a favourable social and political climate in the regions where nuclear facilities are located, matching a new stage in the development of the nuclear industry; to switch from the policy of control to cooperation.

Unified Industry Policy on Sustainable Development of ROSATOM and Its Organisations:



The performance of the Department is assessed annually on the basis of KPI targets. The assessment is conducted by ROSATOM’s Director General. In 2022, all KPI targets were achieved.

GRI 3-3 4.2. CONTRIBUTION TO THE IMPLEMENTATION OF NATIONAL PROJECTS

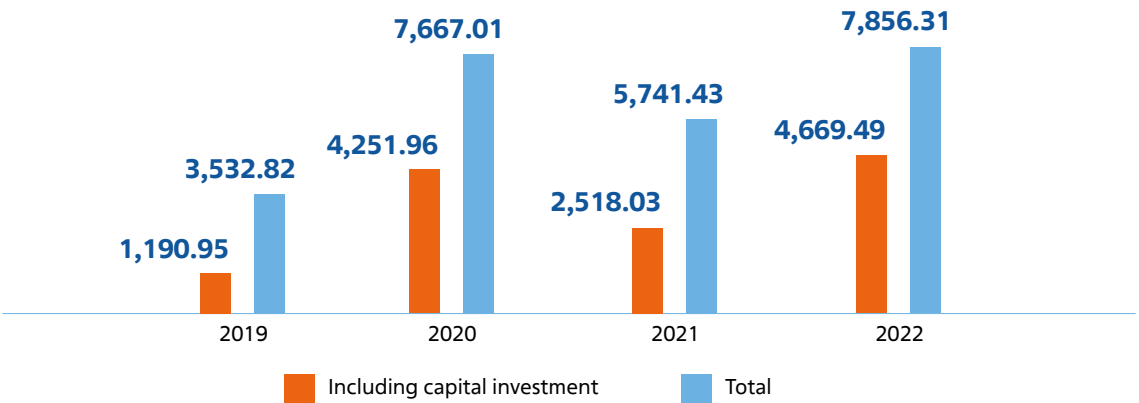
In 2022, ROSATOM continued to support the participation of nuclear towns and cities in national and federal projects aimed at implementing Decree No. 474 of the President of the Russian Federation dated 21 July 2020 on the National Development Goals of the Russian Federation until 2030.

ROSATOM continues to provide methodological support to the towns and cities in order to increase the efficiency of their participation in the implementation of national projects.

In 2022, a practical workshop involving experts of the Institute for Urban Economics Foundation was held in order to inform municipal administrations about ongoing changes at the federal level which are relevant to the national projects. As part of the workshop, an updated methodology for the participation of towns and cities in the implementation of national and federal projects was presented. In addition, illustrations were provided of changes in the regulatory framework which had been implemented or were scheduled for implementation and which affected the municipalities.

In 2022, total funding for national projects in 27 of ROSATOM’s host towns and cities increased by 37% year on year.

Total funding of national projects in ROSATOM’s host towns and cities, RUB million



There was a significant increase in the amount of funding for national projects in 13 towns and cities, with the biggest increase recorded in the following towns and cities: the CATFs of Zelenogorsk, Zheleznogorsk, Lesnoy and Sarov; Balakovo, Bilibino, Volgodonsk, Dimitrovgrad, Zarechny (Sverdlovsk Region), Kovrov, Polyarnye Zori, Udomlya and Elektrostal.

The largest number of towns and cities are involved in the implementation of the following national projects: Housing and Urban Environment, Education, Culture, and Ecology.

In 2022, all nuclear towns and cities continued to implement the Housing and Urban Environment National Project. Funding for this project increased by a factor of 2.5, from RUB 1,188.1 million in 2019 to RUB 2,944.1 million in 2022.

The federal project titled ‘Creating a Comfortable Urban Environment’, which forms part of this national project, is being implemented in all nuclear towns and cities, except for Bilibino. The cost of measures implemented over four years totals RUB 6,031.6 million, including RUB 1,554.1 million in 2022.

As part of the Housing and Urban Environment National Project, work is underway in 10 nuclear towns and cities to reduce the substandard housing stock (the CATF of Zelenogorsk, Balakovo, Bilibino, Polyarnye Zori, Dimitrovgrad, Obninsk, Glazov, Kovrov, Usolye-Sibirskoye and Elektrostal).

The Clean Water Federal Project was included in the Housing and Urban Environment National Project in 2021. Its implementation between 2019 and 2021 enabled a significant improvement of the water supply and sewerage system in the CATF of Ozersk (RUB 497.5 million). In 2022, similar work began in the CATF of Seversk.



Number of towns and cities implementing activities forming part of other federal projects



The majority of towns and cities take part in the Culture National Project (25 towns and cities). The average annual cost of measures implemented as part of the project totals RUB 140 million, including RUB 180.3 million in 2022. As part of the project, culture development centres, modular municipal libraries and virtual concert halls have been established; children’s art schools have been provided with musical instruments; grants are awarded every year to support creative teams.

In 2022, the four towns that have been participating in the implementation of the Ecology National Project since 2019 (the CATFs of Ozersk, Snezhinsk and Tryokhgorny, and Bilibino) were joined by eight more towns and cities (the CATFs of Lesnoy, Novouralsk and Sarov; Kurchatov, Sosnovy Bor, Dimitrovgrad, Usolye-Sibirskoye and Volgodonsk). 11 towns and cities actively participate in the Clean Country and the Integrated System for the Management of Municipal Solid Waste Federal Projects. Large-scale work is underway as part of the Environmental Improvement of the Volga River Federal Project in the town of Sarov (RUB 1,307.5 million) and in the city of Dimitrovgrad (RUB 103.1 million).

Urban environment

Between 2018 and 2022, nuclear towns and cities received methodological assistance in shaping and developing the urban environment. Lectures and expert discussions were held; master plans were developed for six projects in five towns and cities (Zelenogorsk, Zheleznogorsk, Novouralsk, Elektrostal and Krasnokamensk); applications were prepared for participation in the National Competition for the Best Projects to Create a Comfortable Urban Environment (hereinafter referred to as the Competition), which is held by the Russian Ministry of Construction, Housing and Utilities.

Systematic methodological work with municipal administrations and the participation of nuclear towns and cities in the Competition have made it possible to develop a comprehensive vision of projects focused on urban improvement and the development of the urban environment and the towns’ and cities’ long-term plans to develop the urban environment, which successfully combine solutions for urban improvement and business development.

In 2022, eight nuclear towns and cities won the 6th National Competition for the Best Projects to Create a Comfortable Urban Environment, which totals 5% of the nationwide figures, 15.6% in the Towns with Population of 50,000 to 100,000 People category and 5.1% in the Towns with Population of 20,000 to 50,000 People category.

A total of RUB 730 million was raised from the federal budget.

Mechanisms for the funding of projects aimed at developing a comfortable urban environment, modern infrastructure and services include the concession mechanism.

As part of efforts to develop services improving the standard of living in towns and cities, an initiative has been launched to develop projects focused on creating modern social infrastructure in nuclear towns and cities using the concession mechanism. Two working groups have been formed; a quadripartite agreement on strategic cooperation has been signed with companies that establish senior centres.

Winning projects of the 6th National Competition for the Best Projects to Create a Comfortable Urban Environment
Towns (Population of 50,000 to 100,000 People) category
The amount of the grant is RUB 95 million for each town.

Five winners:

- Sosnovy Bor (Leningrad Region), a project titled ‘Landscaping of the Mini Park near the Stroitel Community Centre and the Children’s and Youth Sports School’;
- Usolye-Sibirskoye (Irkutsk Region), a project titled ‘The Town Viewed from a Tram Window: Concept of Improvement of Internatsionalnaya Street’;
- Zelenogorsk (Krasnoyarsk Territory), the Lake Park project;
- Glazov (Republic of Udmurtia), a project titled ‘Cultural Neighbourhood: Kirov Street Improvement Project, Stage 2’;
- Zarechny (Penza Region), a project titled ‘Zarechye Park: Discover for Yourself’.

Towns (Population of 20,000 to 50,000 People) category
The amount of the grant is RUB 85 million for each town.

Three winners:

- Desnogorsk (Smolensk Region), a project titled ‘Landscaping of the Atompark 2 Public Space’;
- Novovoronezh (Voronezh Region), a project titled ‘Landscaping of the Town Embankment’;
- Zarechny (Sverdlovsk Region), a project titled ‘Landscaping of the Zarechny Park Public Space’.

The working groups have determined the focus areas for pilot projects (schools, housing and utilities, cultural facilities, digital economy, senior centres, management of municipal solid waste and medical waste).

Preliminary agreement has been reached with the Government of the Krasnoyarsk Territory to establish a senior centre in the CATF of Zheleznogorsk.

Urban environment quality ratings assigned to nuclear towns and cities

The average urban environment quality rating for 1,117 towns and cities of the Russian Federation in 2022 stood at 192 points¹.

22 out of 27 nuclear towns and cities have been assigned an urban environment quality rating above the benchmark (180 points).



NUCLEAR TOWNS AND CITIES HAVE BEEN
ASSIGNED AN URBAN ENVIRONMENT
QUALITY RATING ABOVE THE BENCHMARK

More than 80% of nuclear towns and cities have a favourable urban environment. In 2022, the average urban environment quality rating of nuclear towns and cities increased by 10 points compared to 2021 and stood at 205 points. Furthermore, the average rating assigned to closed towns and cities stood at 213 points, while the average rating assigned to open towns and cities stood at 205 points, which indicates a favourable urban environment (a score of up to 180 points indicates an unfavourable urban environment, while a score of 181 points and more indicates a favourable urban environment). In 2022, the average rating assigned to open towns and cities increased by 24 points compared to 2018, when the average urban environment quality rating stood at 175 points, which indicated an unfavourable urban environment.

The highest urban environment quality rating among nuclear towns and cities in 2022 was assigned to the CATF of Sarov, which was given a score of 235 points. The CATF of Lesnoy ranked second with a score of 233 points. The CATF of Zarechny (Penza Region) ranked third with a score of 229 points.

Activities in Usolye-Sibirskoye

In 2022, ROSATOM continued to implement an approved industry-wide project to promote the development of Usolye-Sibirskoye pursuant to Order No. 189-rp of the President of the Russian Federation dated 30 July 2020. The project is scheduled to run until 2024.

The goal of the project is to facilitate the implementation of industry-wide projects in Usolye-Sibirskoye and implement a set of measures between 2021 and 2024 to ensure that Usolye-Sibirskoye contributes to the achievement of seven of the development targets established by Decree No. 68 of the President of the Russian Federation dated 4 February 2021.

1. Methodology for calculating the urban environment quality rating: <http://static.government.ru/media/files/wbRiqrDYKeKbPh9FzCHUwWoturf2Ud0G.pdf>

The project combines measures aimed at determining and developing the town’s economic specialisation and industry-wide social initiatives covering Usolye-Sibirskoye since 2021 (ROSATOM’s School, ROSATOM’s Territory of Culture, educational projects of ROSATOM’s Corporate Academy, etc.).

In addition to the achievement of the main goal, all activities are aimed at creating a favourable environment for restoring the town’s chemical manufacturing cluster.

The key outcome of this work were instructions from the Deputy Prime Minister of the Russian Federation, Minister of Industry and Trade Denis Manturov¹ to develop a federal project to establish a Federal Chemical Industry Hub in Usolye-Sibirskoye (Irkutsk Region).

Pursuant to the instructions, strategic sessions were held in 2022 with major producers and consumers of chemicals in the industry, leading scientific, educational and research organisations specialising in the chemical industry in the Russian Federation. The potential for developing the business of JSC Rusatom Greenway at the Usolyekhimprom site was assessed taking into account the construction of the Vostok industrial facility and the establishment of the federal chemical industry hub.

The work initiated in 2022 to identify key measures for the development of the federal project will continue in 2023.

Key results of industry-wide social initiatives in 2022 included the following:

- The Usolye-Sibirskoye Town Festival was organised, which was attended by 12,000 residents of Usolye-Sibirskoye;
- The Atomfest 2022 town sports festival was held, in which 6,200 people took part;
- Funding was provided for the construction of a pump track.

Support for education and culture in the town:

- Repairs were carried out in the building of a school and a kindergarten included in the ROSATOM’s School Innovative Network of Educational Organisations;
- Equipment was provided for a chemical laboratory of the Mendeleev class;
- The Running Book educational campaign was conducted, in which 100 people took part;
- Online classes were provided for 4,000 residents of Usolye-Sibirskoye;
- 80 college and school teachers completed training and advanced training (remotely and in person) as part of the ROSATOM’s School programme;
- 50 students and schoolchildren from the town took part in AtomSkills / WorldSkills competitions;
- A competition of volunteer and social projects was held; 25 applications were processed, and grants were awarded to the winners in January 2023.

Healthcare development in nuclear towns and cities

In 2022, work continued to prevent the spread of COVID-19 in nuclear towns and cities and in enterprises in the industry. 88% of ROSATOM’s employees were vaccinated and received booster shots, and 75% of local residents were vaccinated.

1. Instructions No. MD-P9-16735 dated 5 October 2022.

In 2022, ROSATOM and the Federal Medical and Biological Agency (FMBA) of Russia launched a joint project to upgrade primary healthcare in the Corporation's host towns and cities; the aim of the project is to implement a modern organisational model for municipal, onsite and children's clinics which is based on the principles of accessibility, openness and the use of state-of-the-art technologies.

The project has been piloted in Sarov, Snezhinsk, Dimitrovgrad, Novouralsk and Desnogorsk. In 2022, RUB 426.9 million was allocated for the project by ROSATOM, and RUB 882.9 million was allocated by the FMBA of Russia.

Healthcare institutions in pilot regions have met the 'basic' criteria set as part of a federal project titled 'New Model of a Healthcare Institution', which has produced the following transformation effects:

- The amount of time required for employees to undergo regular and pre-shift medical examinations has been halved;
- The waiting time for scheduled hospital admission has been reduced three-fold;
- The waiting time for receiving information has been reduced five-fold;
- New operating standards have been implemented for reception areas in organisations of the FMBA of Russia.

Major repairs have been carried out in municipal, children's and onsite clinics with a total floor area of 5,789 m². The required medical furniture, medical equipment and specialised vehicles have been purchased.

One of the indicators characterising the accessibility of medical care is the availability of medical personnel to the population. As part of the project, personnel training and retraining programmes have been developed and approved. 13 apartments have been purchased in the towns and cities for arriving medical specialists. Joint efforts made it possible to attract 68 medical specialists in 2022, including 21 under the Rural Doctor programme. The target (75%) for the availability of medical personnel, taking into account a ratio of positions to personnel numbers of 1.2, was achieved in Sarov, Dimitrovgrad and Desnogorsk. In Snezhinsk and Novouralsk, this figure stood at 73% and 71% respectively.

This set of measures has made it possible to increase the level of satisfaction of local residents with the medical care provided to them to 61% (2021: 36%).

4.3. CONTRIBUTION TO THE ECONOMY

4.3.1. Improving the management of nuclear towns and cities

Implementation of agreements with constituent entities of the Russian Federation in 2022

The Corporation enters into cooperation agreements with constituent entities of the Russian Federation to support their participation in the development of nuclear towns and cities and implementation of investment programmes and projects.

As part of implementation of the agreements, in 2022, programmes were approved to promote social and economic development of nuclear towns and cities. They had been developed by municipalities in coordination with ROSATOM's organisations.

Implementation of the Corporation's agreements with regions in 2022

Funded activities by focus area (as at 31 December 2022)	2022 (RUB million)	Share in total funding, %
Capital construction (renovation)	1,566.6	45.2
Major repairs of infrastructure facilities (housing and utilities)	124.8	3.6
Urban improvement	1,236.7	35.7
Major repairs of residential buildings and buildings of state-funded organisations	289.5	8.4
Support for education, culture and sports programmes	214.3	6.2
Support for small and medium-sized enterprises	32.0	0.9
Total	3,464.0	100.0

Between 2013 and 2022, organisations forming part of ROSATOM's CTG transferred RUB 465.3 billion to the budgets of the constituent entities of the Russian Federation with which such agreements had been signed. This includes additional tax payments for the period totalling RUB 222.5 billion.

RUB 27.3 billion was allocated for the implementation of activities under the agreements between 2013 and 2022.

Funding of initiatives between 2013 and 2022 by expenditure item.

Focus areas of funded initiatives	Amount, RUB million	Share in total funding, %
Capital construction (renovation)	9,995.6	36.6
Major repairs of infrastructure facilities (housing and utilities)	2,583.0	9.4
Urban improvement	5,737.2	21.0
Major repairs of residential buildings and buildings of state-funded organisations	4,001.4	14.7
Support for education, culture and sports programmes	1,846.8	6.8
Support for small and medium-sized enterprises	1,076.2	3.9
Providing support to local budgets to maintain the financial stability of housing and utility organisations	2,062.0	7.6
Total	27,302.2	100.0

The institution of the CTG has been abolished as from 1 January 2023. The Corporation is preparing for the signing of new cooperation agreements with constituent entities of the Russian Federation which provide for their involvement in the development of ROSATOM's regions of operation and support for the implementation of investment programmes and projects as part of ROSATOM's strategy, as well as the implementation of measures aimed at achieving the goals set in Decree No. 474 of the President of the Russian Federation dated 21 July 2020 on the National Development Goals of the Russian Federation.

GRI 203-2 Priority development areas (PDAs)

Priority development areas (PDAs) have been created under the resolution of the Government of the Russian Federation in eight out of 10 CATFs where ROSATOM operates (Sarov in the Nizhny Novgorod Region; Ozersk and Snezhinsk in the Chelyabinsk Region; Lesnoy and Novouralsk in the Sverdlovsk Region; Zarechny in the Penza Region, Seversk in the Tomsk Region, and Zheleznogorsk in the Krasnoyarsk Territory) in order to preserve competences and maintain a high level of social and economic development in nuclear towns and cities.

In 2022, the management company JSC ATOM-TOR started to provide support to PDAs in single-industry towns and cities where the Corporation’s enterprises operate: Glazov in the Udmurt Republic, Dimitrovgrad in the Ulyanovsk Region, Krasnokamensk in the Zabaykalsky Territory, and Usolye-Sibirskoye in the Irkutsk Region.

At year-end, the number of registered resident companies in all of ROSATOM’s PDAs, including single-industry towns and cities, totalled 160 companies; investments under agreements grew to RUB 75.9 billion, and the number of new jobs to be created by the resident companies reached 9,397.

Number of registered resident companies and total investment in PDAs in CATFs and single-industry towns and cities (as at 31 December 2022)

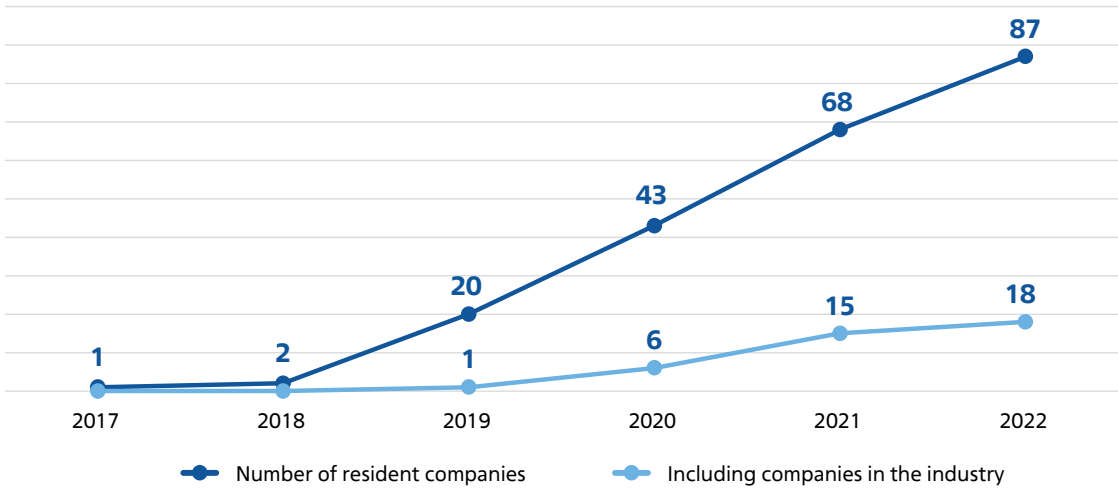
CATFs / PDAs	Number of resident companies	Investment, RUB million		Number of jobs		Taxes and customs duties paid, RUB million	Benefits, RUB million
		Stipulated in the agreement	Actual	Stipulated in the agreement	Actual	Actual	Actual
CATFs, total	87	55,350.2	4,595.2	3,379	1,618	625.9	333.0
Single-industry towns and cities, total	73	20,621.0	4,769.4	6,018	4,771	1,377.2	665.1
TOTAL	160	75,971.2	9,364.6	9,397	6,389	2,003.1	998.1

Services provided to resident companies include the following:

- Construction, development and operation of PDA infrastructure;
- Provision of property for the sites;
- Granting of the PDA resident status;
- Provision of resident companies with land plots;
- Comprehensive support of resident companies’ projects;
- Promotion of resident companies’ products and assistance in entering new markets;
- Advisory support (obtaining the supplier status, etc.);
- Organisation of events for resident companies (round-table discussions, conferences, etc.).

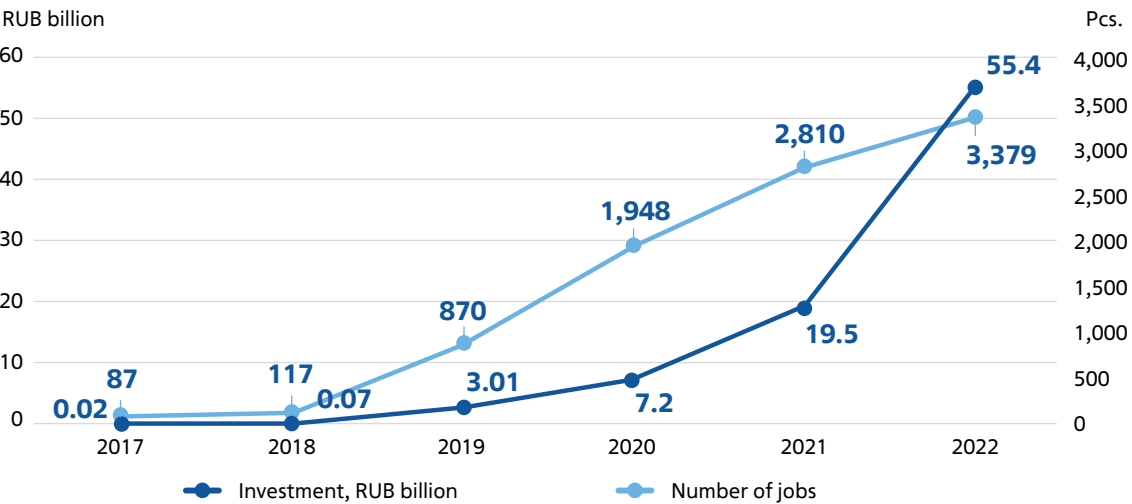
Thanks to a systematic approach to investor relations, the number of PDA residents in closed nuclear towns and cities has increased from two in 2019 to 87 at present. During 2022, 23 new resident companies were attracted.

GRI 203-2 Growth of the number of PDA residents in CATFs



Planned investments by PDA residents in the CATFs will total RUB 55.4 billion, and 3,379 new jobs are to be created.

Growth of investments and the number of jobs created under agreements



Business plans for 28 potential residents are being prepared.

Supplementary agreements were signed for 21% of the projects, including those providing for a significant increase in project parameters.

In 2022, the area of the PDAs was expanded by 166 hectares.

Success stories

Enterprises in various segments are successfully developing in almost all of ROSATOM’s PDAs in CATFs.

Examples of the largest investment projects (RUB 250 million or more):

Project name	Aim of the project	Investment, RUB billion	Number of jobs
RG-Western Siberia (Seversk PDA)	Building an environmental technology park for the treatment and recycling of hazard class 1 and 2 waste	20.2	250
MikAtom (Seversk PDA)	Launch of batch production of gallium nitride electronic components	18	251
Siberian Titanium (Seversk PDA)	Launch of production of titanium dioxide pigment based on the fluoride process	5.5	99
Aurora Chemicals (Seversk PDA)	Development of technologies for the production of fluorine-containing products for the nuclear fuel cycle	4.4	59
EcoAlliance (Novouralsk PDA)	Manufacture of automotive catalysts	2.6	18
Tefra (Seversk PDA)	Processing of ash and slag waste from coal-fired combined heat and power plants	431.6	55
CentroTech Research and Production Association (Novouralsk PDA)	Modernisation of production facilities, pilot R&D site for the development of electrolysis units	405.1	203
Industrial Equipment Plant (Seversk PDA)	Manufacture of loader excavators	300.0	91
Atommashcomplex (Novouralsk PDA)	Launch of production of pipe assemblies (up to 650 mm)	251.5	138
Medtekhologii-N (Novouralsk PDA)	Launch of Russia-based production of automatic microbiological analysers and vials with a growth medium for the needs of healthcare institutions	251.0	51
AK-PROF (Zarechny PDA)	Production and painting of aluminium alloy extrusions	250.0	50
NPK VAB-70 (Seversk PDA)	Establishment of a modern machinery factory	250.0	150
Standartstroy (Zarechny PDA)	Establishment of an industrial facility to produce construction materials	248.9	100

ROSATOM’s representative offices in federal districts

In September 2022, a network of ROSATOM’s Representative Offices was created under Private Institution Atom-Region in federal districts of the Russian Federation in order to promote civilian products of ROSATOM and its integrators on regional markets.

During the four months since the establishment of the new entity, 57 meetings were held with representatives of regional governments, as well as 10 quadripartite meetings involving ROSATOM’s integrators, representatives of the coordination centre, directors of the Corporation’s representative offices in the federal districts and representatives of regional governments. Meetings with the authorities of constituent entities of the Russian Federation were held to discuss the promotion of products of the following organisations: the Nuclear Weapons Division (civilian products), JSC Rusatom Infrastructure Solutions, JSC Rusatom Healthcare, JSC NovaWind, JSC Atomenergomash, JSC Medscan, LLC Rusatom Digital Solutions, Private Enterprise Cifrum (ROSATOM’s digital products), etc.

An agreement has been reached to discuss the matter of servicing traction batteries in the Sakhalin Region and to hold trilateral negotiations in 2023. The construction of medium-sized NPPs in the Primorsky and Khabarovsk Territories is being discussed.

In the Republic of Bashkortostan, negotiations are underway for JSC Rusatom Healthcare to continue the construction of a medical facility. The construction of a campus at Novosibirsk State University is being negotiated jointly with the NWD.

As a result of a meeting in the Government of the Republic of Tyva, agreement has been reached to discuss the start of mining at a number of mineral deposits in the Republic, as well as the construction of the necessary infrastructure.

At the same time, the Representative Offices in the federal districts have examined the matter of conducting business missions in Russian regions in 2023, including in the Krasnodar and Krasnoyarsk Territories and the Novosibirsk Region.

JSC Rosenergoatom is taking part in developing a plan to systematically develop charging infrastructure in the regions and to make ROSATOM’s charging infrastructure available in constituent entities of the Russian Federation.

In addition, the Representative Offices in federal districts have compiled information on promising start-ups and developments in regional universities in areas that may be of interest to JSC InnoHub, JSC Rusatom Healthcare and other divisions of the Corporation.

Sixth Forum of Towns and Cities with High Science and Technology Potential in Russia

In 2022, the 6th Forum of Towns and Cities with High Science and Technology Potential was structured as a series of expert discussions that were distributed over time (during the first six months of the year) and held in various Russian cities (Moscow, Cherepovets, Obninsk and Sevastopol).

Partners of the Forum organised by ROSATOM in 2022 included large industrial enterprises, the Commission of the Civic Chamber of the Russian Federation for Economic Development and Corporate Social Responsibility, and deputies of the State Duma of the Russian Federation.

Regular expert engagement involved contacts not only at the level of partner companies, but also at the level of host towns and cities. In June 2022, a business visit to the city of Cherepovets was organised. During the visit, the participants were provided with an overview of best practices of cooperation and communication between businesses and the municipal government, the practices of economic integration of resources of large and medium-sized enterprises in order to improve the standard of living in the city and provide employment for the core working-age population.

In July 2022, the Archipelago 2022 Project and Educational Workshop was held, which was focused on the technological foresight for the next 10 years. Its participants included management teams comprising leaders of various professions and specialisations from constituent entities of the Russian Federation.

In accordance with the decision of the Supervisory Board of the Agency for Strategic Initiatives, the Corporation assisted in the preparation of pilot projects focused on service and infrastructure development in towns and cities (15 pilot towns and cities, all of which have high science and technology potential).

The 6th Forum of Towns and Cities concluded with an expert discussion forming part of the Archipelago 2022 Project and Educational Workshop. The participants of the Forum searched for solutions that will help to ensure Russia’s technological sovereignty and strategic leadership in the long term through a service- and infrastructure-oriented approach to cooperation with regions. Discussion at the forum centred on the results achieved as part of the track of regional development teams, best practices of leading Russian corporations in the development of their regions of operation, as well as the possibility of incorporating products and solutions offered by technological leaders participating in the National Technology Initiative into services provided for population.

4.3.2. ROSATOM’s impact on other areas of development in nuclear towns and cities

ROSATOM’s organisations make significant contributions to budget revenue in nuclear towns and cities. The Corporation is a major taxpayer in Russia. In 2022, it paid RUB 291.4 billion to budgets of all levels..

Generating employment through NPP construction

The construction and commissioning of nuclear facilities, including NPP power units, create new jobs, as organisations often hire employees from local communities.

Employment in key NPP construction projects (as at 31 December 2022)

Region	Actual headcount, including contractor organisations, persons (2022)	Including employees recruited from local communities, persons* (2022)	Number of local building contractors engaged in construction between 2020 and 2022
Russia (Kursk NPP-2**)	9,439	8,426	31
Foreign NPPs (Belarusian NPP, Rooppur, El Dabaa, Paks)	31,432	23,154	34
TOTAL	40,871	31,580	65

* Employees who are nationals of the countries where the NPPs are being built.
** The figure for Kursk NPP-2 represents the number of employees who are Russian nationals.

4.4. SOCIAL DEVELOPMENT

Improving the standard of living in towns and cities is one of the top priorities of ROSATOM’s strategic agenda.

ROSATOM’s School

As part of the project titled ‘ROSATOM’s School’, in 2022, systematic work was organised to design effective education models for preschoolers and schoolchildren; this involves using a mobile application, Russia Begins Here, developed as part of the project. It enables children and adults to work together to develop a value-based understanding of such concepts as ‘Motherland’, ‘one’s birthplace’, ‘compatriot’, ‘citizen of the country’. Two campaigns were held covering 100% of towns and cities participating in the project. Towns and cities participating in the Atom Class programme across the country, from Kamchatka to Kaliningrad, also joined the campaign.

As part of the campaign, in the reporting year, 10 AR objects were created based on sketches made by children’s teams. Members of winning teams participating in the campaign took part in an educational event, New Year with ROSATOM’s School, in December 2022. They will also participate as co-organisers of the campaign titled ‘Russia Begins Here’ as part of industry shifts for gifted children from ROSATOM’s host towns and cities at the Orlyonok Russian Children’s Centre and the Artek International Children’s Centre in 2023.

The Corporation has implemented a pilot project titled ‘Together across Our Russia’, which involved schoolchildren from its host towns and cities working together to design an educational and tourist route for exploring the country and conducting creative volunteer events at its destination. Two teams from Volgodonsk and Sarov, who became the winners of the pilot project, qualified for an educational trip.

In the reporting year, as part of a focus area titled ‘Design of Digital Didactics to Make Education More Efficient’, more than 50 remote events were held for students of the Atom Class Network of ROSATOM’s School, with more than 5,000 schoolchildren participating in the events. The events are aimed at developing the formats and content of subject-oriented teaching of students in mathematics, physics, chemistry, biology and computer science and at developing students’ transferrable skills such as teamwork, the ability to leverage up-to-date knowledge, process information, communicate successfully, etc.

To support and develop children’s talents, over 60 events were held in a variety of areas: the Project School, the Snowy Cartoons festival for preschoolers, the Spaceball Championship for Preschoolers, the Engineering and Technology Festival, the Metadisciplinary Academic Competition, as well as a wide range of competitions for preschoolers and schoolchildren. A total of over 25,000 children and over 400 educational institutions from all 23 towns and cities participating in the project took part in the events. The models used in these events are being rolled out in the towns and cities as formats for their own municipal initiatives aimed at developing children’s talents.

As part of ROSATOM’s School, annual events are held to develop children’s creative talents:

- A Festival of Original Music and Poetry ‘U-235. New Songs’ (for children aged between 5 and 18);
- The Olympus Theatre Art Festival of School Theatre Groups (for children aged between 7 and 18);
- The Snowy Cartoons Festival of Children’s Animation (for children aged between 3 and 11).

These events held on an annual basis have determined the relevant focus areas for educational institutions.

At year-end 2022, the Innovative Network of Educational Organisations included 10 schools that had been selected on a competitive basis and had introduced technologies that help to ensure the fullest possible compliance with the requirements of Federal State Educational Standards (FSES) for general education

levels (the CATFs of Zarechny, Novouralsk, Sarov, Zelenogorsk, Tryokhgorny, Novouralsk, Snezhinsk and Lesnoy (two schools), and the town of Usolye-Sibirskoye).

Each of the schools received RUB 12 million over three years to equip the OpenSpace state-of-the-art high-technology open space, with equal amounts of funding provided by the municipality and ROSATOM's School. In 2022, equipment was provided for two out of ten schools forming part of the Innovative Network (Municipal State-Funded Educational Institution General Secondary School No. 64 in Lesnoy and Municipal State-Funded Educational Institution Gymnasium No. 9 in Usolye-Sibirskoye). The provision of equipment for these schools will continue in 2023.

In 2022, the staff of all ten educational institutions received training to prepare for the introduction of effective Russian technologies that ensure the fullest possible compliance with FSES requirements for general education levels. All 10 schools forming part of the Innovative Network are currently leaders in the educational systems in their respective towns and cities and constituent entities of the Russian Federation. Two schools received recognition at the federal level and were ranked in the top 30 schools in the Big Break competition, a presidential platform project: Municipal Autonomous Educational Institution Lyceum in Lesnoy (in 2020, 2021 and 2022) and Municipal State-Funded Educational Institution Gymnasium No. 2 in Sarov (in 2022).

Municipal State-Funded Educational Institution General Secondary School No. 135 in Snezhinsk and Municipal State-Funded Educational Institution General Secondary School No. 109 in Tryokhgorny served as regional innovation platforms. Absolutely all schools forming part of the Innovative Network have become regional reference platforms for the implementation of effective educational technologies in general education, which reflects the recognition of the credibility of the Innovative Network at the level of constituent entities of the Russian Federation.

At year-end 2022, the Innovative Network of Educational Organisations included 16 kindergartens that had been selected on a competitive basis and had introduced technologies that help to ensure the fullest possible compliance with the requirements of Federal State Educational Standards for preschool education.

Each of the kindergartens forming part of the Innovative Network received RUB 6 million over three years to equip the OpenSpace state-of-the-art high-technology open space, with equal amounts of funding provided by the municipality and ROSATOM's School. In 2022, equipment was provided for seven out of 16 kindergartens forming part of the Innovative Network (in Polyarnye Zori, Usolye-Sibirskoye, Dimitrovgrad, Lesnoy, Zarechny (Sverdlovsk Region), Tryokhgorny and Sarov).

In the reporting year, the staff of all 16 educational institutions received training to prepare for the introduction of effective Russian technologies that ensure the fullest possible compliance with FSES requirements for preschool education. All 16 kindergartens forming part of the Innovative Network are currently leaders in the educational systems in their respective towns and cities and constituent entities of the Russian Federation.

The participants of the ROSATOM's School Innovative Network (16 kindergartens and 10 schools) arrange practical training for teachers from their towns and cities and the relevant constituent entities of the Russian Federation and for teachers from all towns and cities participating in the ROSATOM's School project.

ROSATOM's Territory of Culture programme

Launched 15 years ago, the programme titled 'ROSATOM's Territory of Culture' includes projects involving famous artists and ensembles, workshops held by leading experts, educational and awareness campaigns, large-scale social and cultural projects, some of which have expanded beyond nuclear towns and cities and have become a major nationwide phenomenon. The programme also involves providing methodological assistance to theatres, museums, libraries and other cultural institutions in nuclear towns and cities, implementing innovative managerial and strategic decisions, holding professional development events for specialists in the relevant areas of expertise to enable gradual modernisation in the sphere of culture 'from the inside'.

In 2022, as part of the programme, a total of more than 100 events of various scale were held across various areas, styles and genres. An official celebration of the 15th anniversary of ROSATOM's Territory of Culture was held in the form of a gala concert at the Et Cetera Theatre in Moscow. The key project in the sphere of musical education in 2022 was the 5th Music Academy of Nuclear Towns and Cities under the auspices of Yuri Bashmet in Obninsk. 2022 saw the launch of a collaboration between ROSATOM's Territory of Culture and the State Museum and Exhibition Centre ROSIZO, which resulted in a major exhibition project run in a number of nuclear towns and cities.

#ROSATOMVMESTE ('ROSATOM Together') competition of social projects

In 2022, the competition programme included three focus areas: the competition of social projects, the Urban Project competition and the Day of Nuclear Towns and Cities.

The competition of social projects featured 49 video interviews with social project coordinators, which garnered a total of 78,500 views. The competition of social projects was won by the coordinator of the School Science Parks project from Novouralsk.

18 towns and cities participated in the Urban Project competition. About 490,000 people voted for the best urban project. The competition was won by the town of Novouralsk with a project titled 'Movement with ROSATOM'.

The Day of Nuclear Towns and Cities was held online in 2022.

'Glory to Creators!' National Creativity Competition

This is a communication project involving both senior citizens and young people. Its goal is to preserve the memory of the residents of ROSATOM's host towns and cities who have contributed to the establishment and development of the nuclear industry and nuclear towns and cities.

Since 2021, the competition has been held online on the VKontakte social media platform. This year there were two categories in the competition: 'Just like the Creator' and 'A Comic about the Creator', in which 1,056 and 405 schoolchildren competed respectively. Every year, the Parades of Creators are held in nuclear towns and cities, featuring the heroes and authors of creative works. Since the launch of the competition, more than 14,500 video interviews and video stories have been filmed (the total reach of the competition has exceeded 63,000 people); 23,500 essays have been written, and more than 3,000 online applications have been submitted via the VKontakte platform

Best Municipal Practices competition

The competition has been held since 2017, with 27 nuclear towns and cities participating every year. Since the launch of the competition, a total of 508 practices and initiatives focused on social and economic development have been submitted; over 23 training events have been held for leaders of municipal practices. 34 practices have been declared winners and received financial support.

Official website of the #ROSATOMVMESTE project:



Website of the 'Glory to Creators' competition:



Website of the Best Municipal Practices project:



Citizen of ROSATOM’s Country project

The key objective of the project is to enable effective communication between governments and the public to promote the development of 28 nuclear towns and cities. Information is posted on the official portal of the project and is made available via the Grazhdanin Strany ROSATOM (‘Citizen of ROSATOM’s Country’; GSR) mobile application, which serve as permanent discussion platforms for the community of proactive citizens. The project has been run since 2016. The application was launched in 2019. Between 2020 and 2022, about 160 online quizzes were held using the GSR application, with more than 25,000 participants. The media platforms of the project contain both news items and background information on current events in the towns and cities.

Official website of the Citizen of ROSATOM’s Country project:



Social Design: Accelerator of Social Projects

Representatives of 13 nuclear towns and cities took part in the project in 2022. 318 social projects were presented as part of the Accelerator. 108 best social projects received financial support in the form of grants.

GRI 203-2 School for Leaders training programme

The programme is targeted at representatives of the nuclear industry, senior municipal officials and representatives of local governments. Its aim is to improve core management competences. The training programme was launched in 2020. More than 100 senior municipal officials of ROSATOM’s regions of operation have participated in the project.

Training website of the School for Leaders programme:



In 2022, educational materials were developed which are designed to support the development of professional skills and new competences and improve the performance of representatives of the nuclear industry and local governments; these included materials on the following topics: ‘Urban Development and Participatory Budgeting’ and ‘Urban Landscape Development’. An online forum titled ‘Self-Employment as a Trend of the Future’ was held to discuss topical issues of participation of self-employed individuals in government contracts and procurement, measures to support self-employed individuals, as well as successful practices for the development of self-employment in ROSATOM’s regions of operation.

Atomic Quiz project

In 2022, about 8,000 people registered to participate in the project, including about 3,500 residents of nuclear towns and cities. Residents of Volgodonsk, Glazov and Balakovo showed the greatest interest in the project. More than 4,300 people successfully completed the quiz and were awarded diplomas.

School: Third Age – the Whole World Ahead

The project titled ‘School: Third Age – the Whole World Ahead’ is aimed at encouraging senior citizens to be socially active in order to implement social projects, find opportunities to acquire new knowledge and skills and generate new employment ideas, and develop creative abilities.

The project has been run since 2019 in 13 nuclear towns and cities. More than 700 people have participated in the project. In 2022, 173 online and offline meetings were arranged and held for the participants of the project, and two handbooks titled ‘Handicraft Therapy’ and ‘Windowsill Gardening for Beginners’ were developed.

Atomic Workout project

The Atomic Workout project is designed to promote a healthy lifestyle by offering local residents an accessible way to exercise and do sports in the courtyards, parks and sports grounds near their homes.

The tournament programme includes power workout competitions, prize contests with spectators, workshops and a show programme by the Russian Street Workout Federation. The project has been run since 2018. In 2022, eight nuclear towns and cities took part in the project, and over 5,500 people participated in more than 50 competitions.

In 2022, the project finals were held in Glazov. The runners-up were from Snezhinsk and Zheleznogorsk, and an athlete from Novouralsk won the top prize.

GRI 2-29 4.5. Work of ROSATOM’s Public Council and Community Relations

ROSATOM’s Public Council was established in 2006 as a collective expert body tasked with providing support for communication and cooperation between the Corporation’s organisations and individuals, non-profit organisations, regional and local governments in Russia and abroad.

The Public Council includes representatives of the Corporation, the scientific community, non-governmental and environmental organisations. The Council members work on a pro bono basis. The Public Council is chaired by ROSATOM’s Director General.

The work of the Public Council is governed by the Regulations on ROSATOM’s Public Council, as well as by the Constitution of the Russian Federation, universally recognised principles and norms of international law, federal laws and other regulations of the Russian Federation.

Key areas of work of the Public Council include:

- Organising annual meetings of ROSATOM’s representatives with government bodies and the general public represented by international and Russian civic organisations;
- Implementing socially important projects in nuclear towns and cities;
- Publishing and circulating research and popular science publications on the peaceful use of nuclear energy;
- Arranging visits to Russian and overseas nuclear facilities in order to study experience in the field of nuclear and radiation safety, environmental protection, engagement with regional and local governments and community relations.

Official website of ROSATOM’S Public Council:



Since 2021, the Public Council has acted as a public advisory board under the programme titled ‘Development of Technical Capabilities, Technology and Scientific Research in the Use of Nuclear Energy in the Russian Federation until 2024’.

As part of virtual meetings, members of the Public Council led by ROSATOM’s Director General performed nine public reviews of various areas of the programme ‘Development of Technical Capabilities, Technology and Scientific Research in the Use of Nuclear Energy in the Russian Federation until 2024’, as stipulated by Decree No. 270 of the President of the Russian Federation dated 16 April 2020 on the Development of Technical Capabilities, Technology and Scientific Research in the Use of Nuclear Energy in the Russian Federation, as well as federal projects forming part of the programme.

In 2022, ROSATOM’s Public Council held two in-person and eight virtual meetings.

Since 2020, the Public Council has acted as a public advisory board under the programme titled ‘Development of Technical Capabilities, Technology and Scientific Research in the Use of Nuclear Energy in the Russian Federation until 2024’; in addition, since 2022, it has acted as a public advisory board for the following federal projects: ‘Construction of New and Modernisation of Existing Power Units’, ‘Construction of Nuclear Power Plants Abroad’ and ‘Establishment of the National Centre for Physics and Mathematics’, which are not included in national projects.

As part of virtual meetings, members of the Public Council led by ROSATOM’s Director General performed eight public reviews of various areas of the programme ‘Development of Technical Capabilities, Technology and Scientific Research in the Use of Nuclear Energy in the Russian Federation until 2024’, as stipulated by Decree No. 270 of the President of the Russian Federation dated 16 April 2020 on the Development of Technical Capabilities, Technology and Scientific Research in the Use of Nuclear Energy in the Russian Federation, as well as federal projects forming part of the programme and federal projects outside the scope of the programme.

In 2022, ROSATOM’s Public Council and the Russian Society of Nature Protection (VOOP) signed a Memorandum of Cooperation in the Implementation of Projects and Environmental Initiatives.

A programme titled ‘Russia’s Unique Water Bodies’ launched under the Memorandum in 2022 in 19 regions of Russia has become a successful joint project. Federal experts on ecology, representatives of local environmental NGOs, regional and local governments, ROSATOM and its organisations participated in holding technical tours, round-table discussions, excursions and environmental campaigns in Novovoronezh, Ozersk, Polyarnye Zori, Sarov and Sosnovy Bor, with more than 1,500 people involved in environmental activities, including students, employees of nuclear organisations and members of the general public.

In 2022, there were five permanent commissions under the Public Council: the Healthcare Commission, the Regional Development Commission, the Environmental Commission, the Commission on the Russian Arctic and the Northern Sea Route, and the International Affairs Commission.

Healthcare Commission

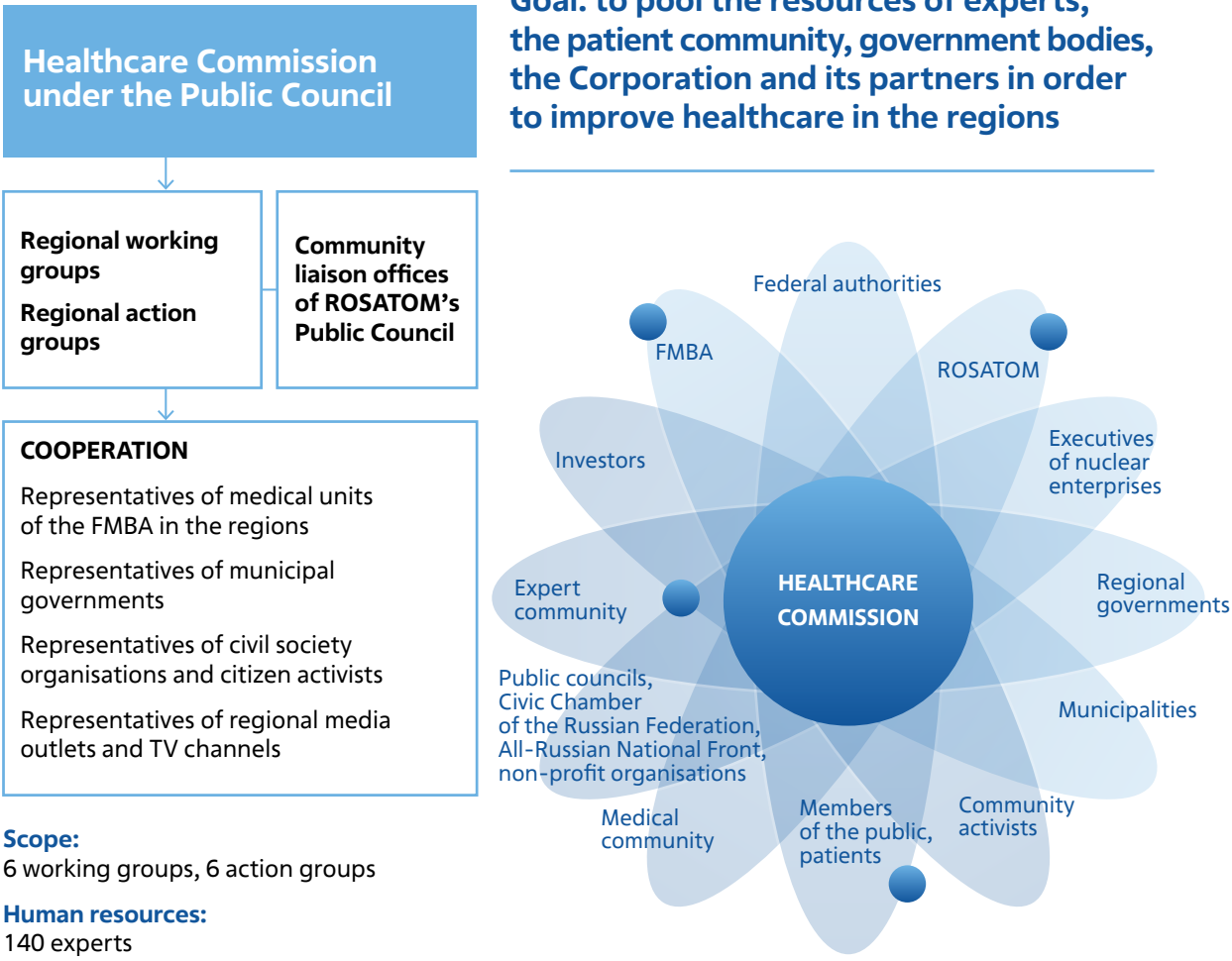
The Healthcare Commission, its working groups and experts, with the active involvement of the Russian Union of Patients’ Public Societies and in cooperation with ROSATOM and the Federal Medical and Biological Agency of Russia, manage initiatives to identify the most pressing issues of the healthcare system in ROSATOM’s host towns and cities and to find mechanisms for addressing them.

Between 2018 and 2022, the Commission implemented the Right to Health project supported by the Presidential Grants Foundation and the Russian Union of Patients’ Public Societies. The third stage of this project was implemented in the Far North and the Arctic. One of the starting points of the project was an expert opinion survey titled ‘Problems of Interaction between Patients and the Healthcare System in the Regions of the Far North and the Russian Arctic and Resources for Addressing Them’. It was aimed at assessing the availability of medical care for the population of the northern regions, identifying problem areas and opportunities to improve the quality of healthcare.

On 23 November 2022, a round-table discussion titled ‘Development of Patient-Oriented Healthcare in ROSATOM’s Regions of Operation, including in the Far North and the Russian Arctic’ was held at the venue of the 13th National Congress of Patients ‘Development Trajectory: Patient-Oriented Healthcare’.

Cooperation between the Commission members and heads of the Community Liaison Offices of the Public Council at the 13th National Congress of Patients

ROSATOM’s Public Council



In 2021, a joint project was launched to improve the quality and accessibility of medical care in ROSATOM’s host towns and cities. Its funding totalled RUB 1,306.8 million. Five healthcare organisations under the FMBA of Russia participated in the project, and five more healthcare organisations will join the project

in 2023. Long-term plans include the construction of industrial medicine centres, repairs to outpatient clinics, the construction of housing for medical personnel, and the purchase of diagnostic equipment with financial support from ROSATOM and the FMBA of Russia. In 2022, the Healthcare Commission of the Public Council provided public oversight of the implementation of the project.

Environmental Commission

ROSATOM takes an active part in the implementation of the Ecology National Project and is involved in three federal projects forming part of the Ecology National Project: Infrastructure for the Management of Hazard Class 1 and 2 Waste, Clean Country and Preservation of Lake Baikal. The Environmental Commission actively assisted in organising over 45 events involving the general public and in conducting public reviews of ROSATOM's project implementation.

Traditionally, the Working Group on the Safe Management of Radioactive Waste and Spent Nuclear Fuel and Decommissioning of Facilities Posing Nuclear and Radiation Hazards functions under the Environmental Commission.

In order to improve transparency and public oversight and raise awareness among local communities, public monitoring of the system for permanent isolation of radioactive waste and for ensuring that its storage is safe for local residents and the environment was conducted in 2022.

A conference held on 15 and 16 November in Murmansk was devoted to the results of efforts to eliminate the nuclear legacy in the North-West. It was organised by ROSATOM's Public Council and the Directorate for Public Policy on Radioactive Waste, Spent Nuclear Fuel and Nuclear Decommissioning. On the first day of the conference, presentations were made by ROSATOM's representatives, specialists from the relevant enterprises and scientists from the Kola Branch of the Russian Academy of Sciences. On the second day, a technical tour of Andreev Bay was organised for the conference participants, where specialists from the North-West Centre for Radioactive Waste Management (SevRAO) provided the conference participants with a detailed overview of the results of the work performed at the site and plans for the future.

An expert opinion of epidemiologists was obtained to confirm the compliance of the site with the requirements of sanitary regulations. The participants and experts attending the event confirmed the high importance of projects to eliminate the nuclear legacy, especially in such a densely populated city as Moscow, and noted the significant contribution of the Programme to improving the country's environmental safety.

In 2022, activities hosted by the EcoStart platform, a unique educational environmental platform designed to help schoolchildren and students to develop project- and technology-oriented thinking, were conducted in the CATF of Novouralsk (Sverdlovsk Region). Schoolchildren and students from 11 educational institutions of Novouralsk take part in the platform's activities. Research, methodological, informational and organisational support for project activities of the platform's participants is provided by the Environmental Projects Consulting Institute (Autonomous Non-Profit Organisation), the Novouralsk Administration, JSC UEIP, FSUE National Operator for Radioactive Waste Management (NO RWM) in Novouralsk, MUE Vodokanal, etc. In 2022, the participants of the EcoStart platform independently identified the town's current environmental problems and began to develop more than 20 youth environmental research projects, 12 of which were presented at the final town-wide conference. The final conference was attended by 50 participants, including schoolchildren, teachers, students, representatives of the town administration and enterprises. Educational, research and practical events were held as part of the EcoStart platform; these included video conferences to discuss youth project initiatives aimed at addressing current urban environmental problems, practical research training, a colloquium and research consultations aimed at helping schoolchildren and students to develop project-oriented skills in the field of environmental protection and in the social sphere.

In 2023, the Environmental Commission will review not only the traditional areas of the Corporation's business in the field of nuclear power development, but also advanced new areas, such as wind power, innovative materials and digital software products. The Commission will place a special emphasis on ROSATOM's environmental and educational projects.

Regional Development Commission

In 2022, two meetings were held with academics and industry researchers to discuss the prospects of sustainable development of nuclear towns and cities. Forming an expert community and establishing an expert agenda is a vital prerequisite for successful implementation of spatial and regional development models in the current environment. Approaches to the work of the Commission were developed for 2023. They can be generally described as the Knowledge Community, which involves leveraging collective mechanisms and points of convergence for the expert community whose members have, among other things, practical experience and empirical knowledge across a variety of human activities such as business, philosophy, design, ecology and economics, in order to identify areas for the development of nuclear towns and cities.

Presentations and discussions on the application of an infrastructure- and service-oriented approach to the development of towns and cities with high science and technology potential were hosted by the Civic Chamber, the Agency for Strategic Initiatives and the Centre for Strategic Research. A presentation was made at the Strategic Planning Leaders Forum in Saint Petersburg. Work with local communities and indigenous peoples of the North was started. A specialised round-table discussion was organised as part of the business programme of the Art and Industry Exhibition in 2022. As part of the Priority 2030 programme, MGIMO University prepared a research paper titled 'Consequences and Impact of the COVID-19 Pandemic on the Population in the Arctic'.

Commission on the Russian Arctic and the NSR

In 2022, the Commission focused on research and environmental safety monitoring above and below water along the Northern Sea Route (NSR), as well as public oversight of the implementation of the instructions of the President of the Russian Federation to approve the NSR development plan until 2035. The Commission members were provided with progress updates on the implementation of the NSR development plan, including the construction of the icebreaker fleet, the performance of the Marine Operations Headquarters, the performance of the hydrographic enterprise, the renovation of port infrastructure, etc. A separate report was made on the roll-out of an integrated platform for digital services provided along the NSR.

In 2022, a cooperation agreement was signed between ROSATOM and the Marine Research Centre of Lomonosov Moscow State University. The purpose of the cooperation agreement is to continue comprehensive research and environmental safety monitoring above and below water in the Arctic waters of the Russian Federation in 2022 and 2023. The efforts of the Marine Research Centre of Lomonosov Moscow State University and the international expert community made it possible to carry out unique comprehensive studies at 50 monitoring stations along the NSR in 2021 and 2022. The key conclusion based on the findings of these studies is that commercial shipping does not currently have any significant impact on marine ecosystems in the Arctic. Research carried out this year will inform the development of a comprehensive environmental monitoring programme covering the NSR, which is expected to form the basis of a separate state environmental monitoring subsystem.

In 2022, the Commission members made a technical tour to Murmansk. During the tour, they visited the *Arktika* icebreaker, which is the flagship of the Russian nuclear-powered fleet, and were provided with an overview of the activities of the Marine Operations Headquarters.

International Affairs Commission

As part of cooperation between Russia and Belarus in addressing a set of tasks related to ensuring nuclear and radiation safety, including at nuclear legacy sites that have emerged as a result of the Chernobyl disaster, a visit of Russian experts and members of ROSATOM’s Public Council to Belarus was organised.

Matters reviewed in the reporting year included setting safety requirements for RAW management at NPPs, and adopted approaches to establishing a national operator responsible for RAW management in the Russian Federation and for the construction and operation of RAW disposal facilities.

During the visit, proposals concerning certain areas of cooperation were discussed, a number of measures were proposed for implementation as part of developing a new programme of the Union State, and approaches to the regulation of activities in radiation-contaminated areas were considered.

The delegates visited the Polesye State Radioecological Reserve in the Belarusian sector of the Chernobyl Exclusion Zone. In addition to working consultations, the guests were provided with an overview of the results of activities carried out in the Reserve over more than 30 years. Visits to research facilities, a firefighting station, a museum, a horse farm and a bison farm forming part of the Reserve were organised, and an overview of its facilities and equipment was provided. Representatives of the local government provided information about social and economic development in the region.

During the tour of the region most affected by the Chernobyl nuclear disaster, the delegates also visited the Republican Scientific and Practical Centre for Radiation Medicine and Human Ecology (Gomel).

GRI 413-1 Activities of the Public Council Community Liaison Offices

Community Liaison Offices of the Corporation’s Public Council serve as a platform for dialogue with the general public, civic associations, regional and local governments, professional associations and nuclear enterprises.

The Community Liaison Offices operate in 15 nuclear towns and cities in 13 constituent entities of the Russian Federation. In 2022, a Community Liaison Office was opened in Zarechny in the Penza Region.

The Community Liaison Offices played an active role in the field of environmental protection, healthcare, culture, promotion of a sporting lifestyle, development of the urban environment, primary and higher education, the youth policy, etc.

Plans for 2023

Under instructions of ROSATOM’s Director General, the People, Towns and Cities programme has been launched; starting from 2023, it sets even more ambitious goals than before and combines a number of project initiatives within a single concept. The People, Towns and Cities programme includes industry-wide initiatives such as ROSATOM’s School, ROSATOM’s Territory of Culture and projects of the Nuclear Towns and Cities Union of Nuclear Organisations. The People, Towns and Cities programme was first presented at the 7th Forum of Nuclear Towns and Cities on 17 March 2023. In accordance with the new programme, all of ROSATOM’s social initiatives will be divided into four main focus areas: strategies for towns and cities, a modern urban environment, active urban life and better education.

JSC Atom-TOR will continue to take systematic steps to search for and attract new resident companies to PDAs, taking into account promising investment opportunities and the development of cooperation chains; it will also continue to develop infrastructure projects, which will involve creating industrial parks and technology parks, promoting investment opportunities in PDAs, launching and maintaining an information channel for resident companies. In order to support PDAs in single-industry towns and cities,

a partnership network is to be developed at the regional and federal levels, which will involve enhancing cooperation with existing partners and attracting new partners.

The PDA boundaries are to be further optimised to make the sites more attractive to investors and meet the needs of potential resident companies. Support for resident companies will include continued systematic efforts to promote products offered by PDA residents, which will involve filling the catalogue and the online store, holding pitch sessions, posting information on partner websites, verifying compliance of PDA residents with the terms of agreements, and expanding information and advisory support for resident companies.

Plans also include organising and conducting educational events on issues relevant to resident companies in order to promote deeper integration with ROSATOM.

In 2023, the Corporation’s Public Council plans to expand cooperation with the Civic Chamber of the Russian Federation, implement public oversight projects, manage the work of public environmental experts and develop the activities of its Commissions taking into account the expansion of the scope of ROSATOM’s business. Events scheduled for 2023 include the 16th Regional Public Dialogue Forum titled ‘National Interests, Environment and Safety’ commemorating the 120th anniversary of the birth of Academician Igor Kurchatov (Chelyabinsk), and a workshop on government policy on RAW and SNF management (Murmansk).

The implementation of comprehensive regional development plans will continue in Usolye-Sibirskoye, the CATF of Sarov and other nuclear towns and cities. More specifically, the federal project to establish a Federal Chemical Industry Hub in Usolye-Sibirskoye is to be developed and approved by the Government of the Russian Federation in 2023.

THE COMMUNITY LIAISON OFFICES OPERATE



CONSTITUENT ENTITIES OF THE RUSSIAN FEDERATION