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SOI: [1.1/TAS](#) DOI: [10.15863/TAS](#)

### International Scientific Journal Theoretical & Applied Science

p-ISSN: 2308-4944 (print) e-ISSN: 2409-0085 (online)

Year: 2022 Issue: 10 Volume: 114

Published: 27.10.2022 <http://T-Science.org>

Issue

Article



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## ON THE MAIN TRENDS IN THE SOCIO-ECONOMIC DEVELOPMENT OF THE YAMALO-NENETS AUTONOMOUS OKRUG WITHIN THE FRAMEWORK OF THE RUSSIAN ARCTIC. MESSAGE 2

**Abstract:** *the article discusses the features of the strategy of socio-economic development of the following regions of the Russian Arctic - Yamal - Nenets Autonomous Okrug - in order to provide them with favorable conditions for attracting investments, providing comfortable living conditions for the population of these regions. At the same time, in these regions it is planned to implement the problems caused by the unsatisfactory state of transportation, namely, the need to build and commission new and reconstruct existing railways and roads, linking these schemes with the northern sea route, providing it with an effective scheme for the transportation of all goods. Solving the set tasks aimed at making the Autonomous Okrug a strategic outpost for the development of the Arctic will achieve the following main results:*

- *creating favorable external conditions for the long-term development of the Autonomous Okrug, modernizing its economy, attracting foreign investment, strengthening its position as an equal partner in the international division of labor and capital;*
- *development of applied scientific activity and improvement of the quality of its results;*
- *development of scientific and technical cooperation in the areas of ensuring environmental safety and environmental improvement of territories, studying climate change and physical factors, preserving natural resources and biodiversity of the Autonomous Okrug with fuel and energy enterprises located on the territory of the Autonomous Okrug;*
- *creation of an effective system for identifying, building up and making the fullest use of intellectual potential in the interests of the region.*

**Key words:** *Advanced Development Territory, TOR, economic activity, significance, efficiency, socio-economic development strategy, financial condition, sustainable TEP, resources, profit, profitability, priority, preferences, demand, competitiveness.*

**Language:** *English*

**Citation:** *Shcherbakov, D. S., Tikhonov, A. A., Prokhorov, V. T., & Volkova, G. Y. (2022). On the main trends in the socio-economic development of the Yamalo-Nenets Autonomous Okrug within the framework of the Russian Arctic. Message 2. ISJ Theoretical & Applied Science, 10 (114), 540-573.*

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Soi: <http://s-o-i.org/1.1/TAS-10-114-56> Doi:  <https://dx.doi.org/10.15863/TAS.2022.10.114.56>  
Scopus ASCC: 2000.

### Introduction

UDC 339.38:327.51

When fulfilling the tasks set, the main guidelines in the work will be the provisions of the Decree of the President of the Russian Federation of May 07, 2018 No. 204 in the field of demography.

The solution to the problem of attracting various categories of the population of the Autonomous Okrug to physical culture and sports will be ensured by holding official physical culture and sports events on the territory of the Autonomous Okrug, the implementation of the All-Russian physical culture and sports complex "Ready for Labor and Defense (GTO)".

It is planned to increase the level of software and methodological support for physical culture and sports institutions, to provide state support to regional public sports organizations. Access to the provision of services in the field of physical culture and sports on a competitive basis will be provided to SONCOs, which will, on the one hand, increase the competitiveness of SONCOs themselves, on the other hand, increase the number of services in the field of physical culture and sports provided to the population at a higher, higher quality level.

The range of services provided by sports organizations will also expand through the transition of these institutions to sports training programs and the further implementation of these programs.

The expansion of services for people with disabilities and the disabled will be facilitated by holding physical culture and sports events for this category of the population, competitions for the best organization of adaptive physical culture and sports work, as well as improving the specialized training of trainers and methodologists in adaptive physical culture. In order to strengthen the leading positions of the Autonomous Okrug in the development of national sports, their active popularization is expected.

In order to preserve the personnel potential of the industry, social support measures will be maintained for young professionals carrying out their professional activities in state and municipal sports institutions. Conducting training seminars, master classes, implementation of additional professional programs, additional education programs will improve the skill level of industry workers.

The task of developing the infrastructure of physical culture and sports is inextricably linked with the strengthening of the material and technical base. The number of existing sports facilities currently does not meet the needs of the population of the Autonomous Okrug in physical culture and sports. Therefore, in the period up to 2035, the shortage of sports facilities is planned to be significantly reduced

due to the commissioning of more than 100 sports facilities of all types. At the same time, it is planned to use a three-level model for the development of sports infrastructure - providing an optimal set of sports facilities needed in a settlement, municipal district and urban district.

A prerequisite for planning the construction of sports facilities is the availability of these facilities for people with disabilities in health and the disabled. In modern conditions, elite sport is an important political, social and economic factor. To provide high-class athletes and their coaches with the necessary training and competitive processes that contribute to their achievement of high sports results, it is planned to implement a set of the following measures:

- creation of a system of medical control and medical and biological support for sports teams of the Autonomous Okrug;
- modernization of the management system for the preparation of high-class athletes;
- carrying out an inventory and renewal of sports equipment, equipment and outfit for the national teams of the Autonomous Okrug;
- formation of a system for coordinating organizational and methodological work on the preparation of a sports reserve in the Autonomous Okrug;
- organization of planned internships for the leading coaches of the Autonomous Okrug in basic sports in the sports teams of Russia.

In order to prepare a sports reserve for the sports teams of the Autonomous Okrug and the Russian Federation, the reorganization of the network of sports institutions will continue in order to build a vertically oriented system for training the sports reserve in the Russian Federation and the constituent entities of the Russian Federation. As part of the modernization of the sports reserve training system in the Russian Federation, the Autonomous Okrug will transition educational institutions of additional sports education to the status of a new type of sports institutions. The indicators characterizing the solution of the tasks set for the development of physical culture and sports will be:

- increase in the share of the population of the Autonomous Okrug systematically engaged in physical culture and sports in the total population of the Autonomous Okrug aged 3 to 79 from 43.4% in 2018 to 55% in 2025 and up to 57% in 2035;
- increasing the level of provision of the population with sports facilities based on the one-time throughput of sports facilities from 52.9% in 2018 to 61% in 2025 and up to 80% in 2035;
- increase in the number of athletes of the Autonomous Okrug, members of the sports teams of the Russian Federation from 94 people. in 2018 up to

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116 people. in 2025 and up to 120 people. in 2035;

- increase in the share of organizations providing sports training services in accordance with federal standards for sports training in the total number of organizations in the field of physical culture and sports, including those for people with disabilities and the disabled" from 33.3% in 2018 to 100 % in 2025 and maintaining this level until 2035.

The solution of the tasks set aimed at the development of the sphere of physical culture and sports will allow achieving the following main results by the end of 2035:

- improving the level of health of the population of the Autonomous Okrug;
- creation for all categories and groups of the population of conditions for physical culture and sports, mass sports;
- building an effective system of sports reserve training in the Autonomous Okrug.

The development of culture largely contributes to the main strategic goal - a stable improvement in the quality of life of the population of the Autonomous Okrug.

In this regard, it is necessary to ensure the availability and diversity of cultural services for all groups of the population of the Autonomous Okrug, create favorable conditions for creativity and self-realization of the Okrug residents, provide them with free and equal access to information.

The modern socio-cultural dynamics of the Autonomous Okrug is distinguished by the diversity of traditions and customs of the peoples inhabiting it, and the uniqueness of the culture of the indigenous peoples of the North constitutes a specific basis for social creativity and forms the cultural identity of the region.

The main results of the development of the cultural sector from 2018 to 2021 are the following:

- the social orientation of culture, which ensures the availability and quality of services, in general, the level of satisfaction of the population with the quality of services provided in the field of culture at the end of 2018 amounted to 83%;

- the level of provision of the Autonomous Okrug with cultural institutions (in accordance with social standards and norms) amounted to 86%;

- 39% of art schools are equipped with modern material and technical equipment, which improves the quality of students' training;

- 59% of specialists in the sphere of culture of the Autonomous Okrug improved their qualifications (2,303 people);

- a number of cultural facilities and educational organizations were put into operation: art schools in the cities of Gubkinsky and Tarko-Sale, houses of culture in the village of Panaevsk and the city of Gubkinsky, Victory Park in the city of Salekhard, the Palace of Culture in the city of Novy Urengoy was reconstructed;

with the support of the Federal Fund for Social and Economic Support of Domestic Cinematography at the expense of the federal budget, cultural centers in the cities of Labytnangi and Noyabrsk are equipped with modern film equipment;

29 model cultural institutions (including 12 model rural houses of culture, 15 model rural libraries, 2 model children's art schools) have been created in the rural settlements of the region.

all libraries and museums of the Autonomous Okrug are equipped with computers and provided with access to the Internet, the entire library and museum fund is listed in electronic catalogs;

- the fund collections of state and municipal libraries were updated, which allowed to increase the number of library users compared to 2012 by 44.7%;

- the number of exhibition projects implemented by regional museum institutions increased by 80%. The number of visits to museum institutions in the district has increased by more than 280 thousand. All museum institutions in the region use the Information System for Accounting Museum Items (KAMIS) in their activities;

- a project to find and support talented youth "New Names" is being implemented. Every year more than 35 talented children and teachers improve their skills in summer creative schools. The enrollment of children from 7 to 15 years old in children's art schools is 18% on average in the district, which is higher than the average Russian level (in Russia - 11.6%).

Since 2012, the volume of funds of the district budget, aimed at providing measures of social support for employees of cultural and art institutions in the region, amounted to 286 million rubles. Since 2018, every 12 cultural worker has received social support measures.

The objects of cultural heritage of Yamal are the most important component of the historical and cultural heritage of the region. By 2020, 100% of cultural heritage objects of federal, regional and local (municipal) significance located in the Autonomous Okrug will be registered in the unified state register of cultural heritage objects (monuments of history and culture) of the peoples of the Russian Federation.

Emergency response work was carried out at 15 archaeological heritage sites, projects were implemented to save two unique monuments of wooden architecture from destruction - "The Chapel, the area on the left bank of the Yarudey River, 1901" in the city of Nadym and "Complex of a city estate: residential building, gate, barn, 1898" in Salekhard.

Sets of scientific and design documentation have been developed for the restoration of four more cultural heritage sites in the district capital.

For the purpose of field survey and monitoring, an inventory of the state was carried out in relation to 70% of the identified objects of archaeological heritage. Information on 400 approved boundaries of territories of cultural heritage sites and 24 established

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protection zones has been entered into the unified state register of real estate.

### Main part

For the effective implementation of powers in the field of management of cultural heritage objects, from January 01, 2017, the service of state protection of cultural heritage objects of the Autonomous Okrug was established. The goal of the policy in the field of culture is to increase the level of satisfaction of the social and spiritual needs of the population of the Autonomous Okrug, to preserve and popularize the cultural heritage as the most important component of the historical and cultural heritage of Yamal.

To achieve the goal, a number of tasks are to be solved.

The task of maintaining the social orientation of the functioning of the cultural sector, the territorial and price accessibility of cultural services for the population of the Autonomous Okrug will be solved through the development of multifunctional cultural centers based on cultural and leisure institutions that allow the population to provide diverse cultural services; consistent diversification of the functions of existing cultural institutions, organizations of additional education in the field of culture.

Work will continue to create a single information space in order to ensure access for every resident of the Autonomous Okrug to the fullest range of cultural services based on computer information systems in the field of library and museum business, public presentation of tangible and intangible cultural heritage, performing arts, as well as providing access to domestic and global resources.

One of the directions of development will be the formation of innovation centers based on libraries, the implementation of projects aimed at increasing the media literacy of the population, including children and youth, the development of remote forms of servicing the population of the district based on the introduction of modern types of information and communication technologies.

It is also planned to improve the conditions that ensure the development of cultural industries, social partnership in the field of culture and increase human resources in order to modernize the cultural sphere of the Autonomous Okrug, including: wide involvement of public councils, professional creative unions and public organizations in the development and examination of draft regulatory legal acts in the field of culture.

An important task of the regional cultural policy is to create a system of organizational, economic, methodological and other conditions that contribute to the preservation and development of the cultures of the peoples inhabiting our multinational district.

In this part, the work will be aimed at preserving and popularizing the folklore of the peoples living on the territory of the Autonomous Okrug, reviving,

preserving and developing folk art crafts and crafts of the indigenous peoples of the North, preserving and replenishing the museum, library and art funds of the Autonomous Okrug.

The priority direction for the development of museum business in the Autonomous Okrug is the promotion of information technologies, the modernization of cultural spaces through modern multimedia museum equipment, including the completion of work on entering museum collections into the State Catalog of the Museum Fund of the Russian Federation.

Modern realities, society's demands for high quality education necessitate significant changes in the field of creative education. These include the introduction of modern educational projects that meet the modern educational needs of the population; maintaining and strengthening the staff.

The professional competencies of pedagogical and managerial staff will continue to improve, taking into account modern requirements; strengthening the material and technical base, resource support for organizations of additional education.

It is planned to continue work on organizing the training of specialist teachers, gifted youth in the leading creative schools of Russia, searching for and supporting gifted children and youth, and promising specialists.

As part of the further development of the professional art of the district, work will continue to create and promote competitive regional cultural products; introduction of modern information and management technologies for the promotion of professional art; support for Russian development trends - choral, wind movement, concert activity and academic music; organization of virtual theater venues, virtual concert halls in the municipalities of the district.

The key directions in solving the problem of ensuring the safety of cultural heritage sites and information about them will be:

- reduction of the negative impact on cultural heritage objects during the economic development of the territory of the region through the state historical and cultural expertise;
- carrying out repair and restoration work at cultural heritage sites;
- organization of anti-accident archaeological excavations;
- identification and state protection of cultural heritage objects, including those reflecting the culture of the indigenous peoples of the North, as well as field inspection of historical and cultural monuments;
- increasing the responsibility of users and owners of cultural heritage sites;
- ensuring public access to information about cultural heritage sites and the formation of an understanding among the population of the



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significance and uniqueness of the cultural heritage of the region.

The indicators characterizing the solution of the tasks set for the development of culture will be:

- increase in the number of visits to institutions of culture and art of the Autonomous Okrug per capita from 8.1 units. in 2018 up to 10 units. in 2025 and 12 units. in 2035;

- maintaining the level of provision of the Autonomous Okrug with cultural institutions (in accordance with social norms and norms) until the end of 2035 within 86%;

- an increase in the share of cultural and art institutions in a satisfactory condition in the total number of cultural and art institutions of the Autonomous Okrug from 80% in 2018 to 85% in 2025 and up to 90% in 2035;

- an increase in the level of satisfaction of the population of the Autonomous Okrug with the quality of the provision of state and municipal services in the field of culture from 83% in 2017 to 87% in 2025 and at least 90% in 2035;

- an increase in the share of national films in domestic distribution from 25% in 2018 to 28% in 2025 and up to 30% in 2035;

- increase in the number of cultural heritage objects included in the Unified State Register of Cultural Heritage Objects (monuments of history and culture) of the peoples of the Russian Federation from 46 objects in 2018 to 51 objects in 2025 and up to 57 objects by the end of 2035.

The solution of the tasks set aimed at the development of culture will make it possible to achieve the following main results by the end of 2035:

- optimize and modernize the network of state and municipal institutions, commission new cultural institutions;

- ensure free access of the population of the Autonomous Okrug to electronic library, museum and folklore funds through the creation of electronic libraries, virtual exhibitions, placement of digital collections on the Internet, etc.;

- to update the personnel structure, to increase the provision of the industry with specialized specialists, to increase the prestige and attractiveness of professions in the field of culture;

- create conditions for the development of creative abilities and socialization of modern youth, self-realization and spiritual enrichment of the creatively active part of the population, a full-fledged interethnic cultural dialogue and the preservation of the traditional culture of the peoples of the Autonomous Okrug;

- to increase the number of gifted children who get the opportunity to improve their talents through participation in professional competitions of the Russian and international level, in creative schools, to maintain the effective system of additional education in the field of culture and art that has

developed in the Autonomous Okrug;

- create an effective system for the preservation and preservation of cultural heritage sites, which will reduce the proportion of monuments that are in poor condition;

- increase the level of social responsibility of citizens for the preservation of cultural heritage;

- to include the restored objects of cultural heritage in the tourist potential of the region;

- ensure the use of the historical and cultural resource for the upbringing and education of the younger generation;

- ensure the safety of unique scientific information about the objects of archaeological heritage and replenish the Museum Fund of the Russian Federation with archaeological collections.

A necessary condition for ensuring the life and activities of residents, observing their legal rights and freedoms, the effective functioning of the management system, economy and economy, transport and communications, maintaining the parameters of the environment at the required level, developing the social and spiritual spheres of society is a guarantee of the security of the region.

This is all the more important, since the district ensures the energy security of the country.

In the field of ensuring state and public security, the priorities of the Autonomous Okrug are fully consistent with the National Security Strategy of the Russian Federation. They are aimed at strengthening the role of the state as a guarantor of the security of the individual, especially children and adolescents; improvement of normative legal regulation of prevention and fight against crime, corruption, terrorism and extremism; reducing the threat of natural and man-made emergencies; ensuring food security, as well as increasing the effectiveness of protecting the rights and legitimate interests of citizens.

In 2018-2012, significant results were achieved in the field of ensuring the security of citizens:

- the general level of crime was reduced by 9%; crimes of a terrorist nature, riots and group violations of public order were not allowed. According to sociological studies conducted at the end of 2017, more than 87% of the surveyed residents of the district are satisfied with the level of security and law and order, which is one of the highest values of the indicator among the constituent entities of the Russian Federation;

- there was a steady decrease in the number of deaths in road traffic accidents by 40%;

- in the municipalities of the region, a comprehensive integrated security system is being deployed;

- expanding the system of automatic recording of violations of traffic rules;

- a special OMON unit of the Department of the Ministry of Internal Affairs of Russia for the

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Autonomous Okrug was created in the city of Novy Urengoy;

- measures were implemented to develop the institution of voluntary people's squads and stimulate the voluntary participation of citizens in the protection of public order;

- the number of fires decreased by 28%, the number of people killed in fires by 3%, direct damage from fires by 54%;

- 8 divisions of the fire service of the Autonomous Okrug were created, a fire station was built in the village. Nakhodka of the Tazovsky district;

- at the stage of completion of work on deployment on the territory of the district of a system for calling emergency operational services by a single number 112;

- a number of measures were implemented to protect forests from fires, including the installation of fire-prevention mineralized strips with a length of more than 750 km, aviation monitoring of fire danger was carried out along 13 routes with a length of 6.4 thousand km. on an area of 26.0 million hectares;

- in order to ensure the quality and safety of foodstuffs consumed and produced in the Autonomous Okrug, about 30 thousand samples of food products were studied in terms of sanitary-chemical, microbiological and physico-chemical parameters.

Due to the low development and population of the coastal territories of the Autonomous Okrug, emergencies caused by natural disasters on the territory of the Autonomous Okrug have not been registered in recent decades and are not predicted in the future.

Given this feature of the region, the main efforts of the territorial subsystem of the unified state system for the prevention and elimination of emergency situations of the Autonomous Okrug are focused on the prevention of emergency situations associated with adverse weather phenomena, which are more typical for the central and southern parts of the region.

At the same time, the seaport of Sabetta is being developed, located on the western shore of the Ob Bay of the Kara Sea, designed to ensure the transshipment of hydrocarbons from the Yuzhno-Tambeyskoye gas condensate field from the territory of the region to the countries of Western Europe, North and South America and the countries of the Asia-Pacific region under the Yamal project - LNG.

As part of the prevention of emergency situations related to spills of oil and oil products in the water area of the seaport of Sabetta, a tripartite agreement on interaction and cooperation was concluded between Yamal LNG OJSC, FSUE Atomflot and FBU Maritime Rescue Service of Rosmorrechflot.

To reduce possible damage to the environment from oil spills, OAO Yamal LNG organized a permanent duty of a professional rescue team of the

Northern Branch of the Federal State Institution "Marine Rescue Service of Rosmorechflot". Preparedness to clean up oil spills is carried out around the clock and all year round.

Measures to clean up possible pollution on the coast in case of oil spills are planned to be carried out by the project operator OAO Yamal LNG, which has created a professional emergency rescue team for this purpose.

The goal of the policy in the field of ensuring the security of citizens is to maintain a high level of comprehensive security for the population of the Autonomous Okrug.

To achieve this goal, the Strategy provides for the solution of the following tasks:

- ensuring security and law and order, protecting citizens from criminal encroachments, manifestations of terrorism and extremism on the territory of the Autonomous Okrug. Introduction of modern technologies in the field of integrated security;

- prevention and elimination of natural and man-made emergencies, ensuring fire safety;

- improving the regulation of migration processes;

- reducing the risks of accidents and occupational morbidity of workers at work from preventable causes;

- reduction in the consumption of alcoholic beverages, illegal consumption of narcotic drugs and psychotropic substances in the territory of the Autonomous Okrug, the formation of a value attitude to a healthy lifestyle, anti-drug and anti-alcohol worldview among the population;

- ensuring the quality and safety of food products, goods and services consumed and produced in the Autonomous Okrug.

The implementation of the tasks of ensuring security and law and order, protecting citizens from criminal encroachments, manifestations of terrorism and extremism on the territory of the Autonomous Okrug will be ensured by:

- improving the interaction of authorities at all levels in the prevention of various offenses with a special focus on the adolescent environment and the sphere of drug trafficking;

- development of intelligent video surveillance systems in residential areas, transport hubs, on the streets and in public places;

- introduction of innovative approaches and information and digital technologies in the field of crime prevention and combating crime;

- ensuring anti-terrorist protection and countering manifestations of extremism, increasing the efficiency of the activities of the departments of the internal affairs bodies responsible for public security;

- supporting the participation of public

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groups and citizens in law enforcement activities;

- introduction of innovative and information and digital technologies to improve the legal literacy of the population, inform about threats to public security, protect citizens from criminal encroachments and prevent offenses;

- strengthening the fight against mobile and online fraud;

- improve road safety and prevent road traffic accidents, especially fatal ones, as well as those involving children.

The creation of new systems for ensuring public safety, law and order and the safety of the environment in the region will continue, as well as the development of existing ones, including an integrated integrated security system, video surveillance systems, public warning systems, complexes for photo-video recording of traffic violations, a satellite monitoring system for territory of the Autonomous Okrug, monitoring systems for housing and communal services and forest fires.

Solving the problems of preventing and eliminating natural and man-made emergencies, ensuring fire safety and the safety of people at water bodies will be ensured by:

- increasing the responsiveness of emergency rescue and fire fighting units when providing assistance to the population;

- construction of 20 facilities and overhaul at 16 facilities of the fire and emergency services of the Autonomous Okrug;

- acquisition of fire and rescue equipment and bringing the equipment to 100%;

- creation of a gas and smoke protection service in the subdivisions of the fire service of the Autonomous Okrug;

- creation of fire service units in rural settlements of the Autonomous Okrug, in which they are absent;

- improving methods for preventing and eliminating emergency situations and fires, including using new modern technologies and equipment;

- ensuring 100% coverage of the population by public warning systems about the threat or occurrence of emergency situations;

- development of voluntary fire protection in remote and small settlements;

- conducting continuous training of relevant groups of the population in educational organizations and training and consulting centers for civil defense and emergency situations, as well as training officials of civil defense and emergency management bodies in educational organizations that carry out educational activities on additional professional programs in the field of protecting the population and territories from emergency situations situations, further improvement of the activities of these institutions.

Work will continue to prevent the negative impact of water and carry out anti-flood measures in

areas prone to flooding and flooding.

In order to prevent forest fires, aviation patrols of forests will be carried out, as well as measures to arrange mineralized strips, install and place stands and other signs and signs containing information on fire safety measures in forests, install barriers, and install barriers to limit the stay of citizens in forests in order to ensure fire safety.

In the field of ensuring the safety of people on the water, preventive and explanatory work with the population will be continued.

Improving the regulation of migration processes in the Autonomous Okrug will be carried out by implementing measures to combat illegal migration, providing for the prevention, prevention and suppression of violations of migration legislation.

Reducing the risks of accidents and occupational morbidity of workers at work from preventable causes will be carried out in the following areas:

- labor protection training for employees, including heads of organizations, as well as employers - individual entrepreneurs;

- informing organizations and the public on labor protection issues through electronic media and issues of printed publications on the subject of labor protection, safety and hygiene;

- holding review competitions to improve the level of social protection of the rights of workers to healthy and safe working conditions.

In order to reduce the scale of consumption of alcoholic beverages, illegal consumption of narcotic drugs and psychotropic substances on the territory of the Autonomous Okrug, to form a value attitude towards a healthy lifestyle of the population of the Autonomous Okrug, it is planned to implement various forms of anti-alcohol and anti-drug preventive activities aimed at promoting a healthy lifestyle, improving the skills of specialists areas of prevention, treatment, medical and social rehabilitation of drug users.

The quality and safety of food products, goods and services consumed and produced in the Autonomous Okrug will be ensured through selective laboratory tests of food products entering the Autonomous Okrug, followed by informing the population about the results of the studies. The conformity of quality indicators to the established requirements of products manufactured in the Autonomous Okrug will also be checked.

It is planned to create a database of regions of the Russian Federation and enterprises that have proven themselves on the positive side in terms of the quality and safety of their products, for the further development of trade relations.

The indicators characterizing the solution of the tasks set to ensure the safety of citizens will be:

- maintaining the level of satisfaction of the population with their personal and public safety at a

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level of at least 85%;

- reduction in the death rate from road traffic accidents in the Autonomous Okrug from 9 cases per 100,000 population in 2017 to 4 cases in 2025 and to 1 case per 100,000 population in 2035;

- reduction in the number of places of concentration of traffic accidents (accidentally dangerous sections) on the road network of the Autonomous Okrug in relation to the level of 2018 to 50% in 2025 and maintaining this level until 2035;

- reduction in the time of arrival of the first fire department to a fire from 8.1 min. in 2018 to 7.8 min. in 2025 and up to 7.1 min. in 2035;

- reduction in the area of forest fires in the Autonomous Okrug per 100 thousand hectares of the forest fund from 6.74 in 2018 to 4.5 in 2025 and to 3.4 in 2035;

- increase in the volume of sampling for research on sanitary-chemical, physical and microbiological indicators in the Autonomous Okrug from 5,055 in 2018 to 5,450 in 2025 and 6,000 in 2035 (including samples taken by federal government bodies).

The solution of the tasks set aimed at ensuring the safety of the citizens of the Autonomous Okrug will allow achieving the following main results by the end of 2035:

- reduce the level of crime in the Autonomous Okrug;

- reduce the death rate from traffic accidents in the Autonomous Okrug;

- reduce the risk of emergencies and fires;

- reduce the number of dead and injured people in fires and other emergencies;

- reduce the area of forest fires;

- to prevent the entry into the Autonomous Okrug of low-quality and dangerous products, as well as narcotic drugs and psychotropic substances.

The development of the information society and the digital economy implies, first of all, the formation of a new technological basis for the social and economic sphere and the creation of conditions for improving the welfare and quality of life of citizens, by increasing the availability and quality of public services for individuals and legal entities, awareness and digital literacy of the population, and also ensuring the security of the formation of the information space.

In the Autonomous Okrug, the creation of a network of multifunctional centers for the provision of state and municipal services (hereinafter referred to as the MFC) has been completed. 163 service windows for applicants were provided in 18 MFCs - which are territorial subdivisions of the state institution of the Autonomous Okrug "Multifunctional Center for the Provision of State and Municipal Services" (hereinafter referred to as the State Institution of the YaNAO "MFC") in the cities of Salekhard, Noyabrsk, Novy Urengoy (2 offices), Tarko -Sale, Muravlenko,

Gubkinsky, Labytnangi, Nadym, as well as in rural settlements: with. Yar-Sale, p. Aksarka, p. Tazovsky, with. Husband, s. Krasnoselkup, p. Khanymei, p. Purpe, town. Harp, town. Urengoy, town. Pangody.

As part of organizing the activities of MFCs focused on providing state, municipal, additional (related) services to business entities on the basis of MFCs in the Autonomous Okrug, business offices were created in the cities of Salekhard, Noyabrsk, Novy Urengoy, as well as a business window in the urban-type settlement of Kharp.

More than 100 state and municipal services are organized in the MFC network of the Autonomous Okrug.

By 2021, the Okrug has implemented the possibility of interdepartmental electronic interaction in the provision of state and municipal services in electronic form.

At the end of 2021, the Unified Portal of State and Municipal Services (functions) (hereinafter referred to as the State Services Portal) organized the provision of 257 electronic state and municipal services in the areas of construction, licensing of various types of activities, social protection, property relations. In 2021, the number of services ordered by citizens through the State Services portal amounted to about 92 thousand.

To work with the portal in the district, the work of 168 active points of identity confirmation was organized during registration in the federal state information system "Unified system of identification and authentication in the infrastructure that provides information and technological interaction of information systems used to provide state and municipal services in electronic form" ( hereinafter referred to as the Unified Identification and Authentication System).

According to the Ministry of Telecom and Mass Communications of the Russian Federation, the Autonomous Okrug took 3rd place among the constituent entities of the Russian Federation in terms of the share of citizens registered in the Unified Identification and Authentication System, with a value of 82.4% (more than 346.4 thousand registered citizens).

Since 2015, the provision of state and municipal services and the performance of state and municipal functions in electronic form has been carried out using the regional system of interdepartmental electronic interaction of the Autonomous Okrug, the volume of information exchange of which is more than 310 thousand requests per year.

In total, more than 10 information systems have been introduced and used in the work of government bodies that contribute to the effective performance of state functions.

One of the significant conditions for the development of the region is the availability of a single information and telecommunications space for



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solving problems of managing, interacting and monitoring the socio-economic development of the Autonomous Okrug. The Regional Interdepartmental Telecommunications Network of the Autonomous Okrug (hereinafter referred to as RMTKS) is used as such a tool.

In 2021, the formation of the backbone segment of the RMTKS, built according to the linear-ring principle on optical fibers, was completed. The backbone segment of the RMTKS united all cities of the Autonomous Okrug, part of rural settlements and isolated urban areas.

All libraries and museums of the Autonomous Okrug are equipped with computers and provided with access to the Internet. The library and museum fund is fully listed in the electronic catalog of the Autonomous Okrug. The equipment of libraries with computers has increased 10 times compared to 2018.

The Autonomous Okrug has implemented the Telemedicine Information System of the Ministry of Health of the Russian Federation, to which 14 medical institutions are connected. To date, 3 telemedicine centers have been identified on the territory of the Autonomous Okrug, in addition, there are 18 group telemedicine studios and 32 personal video terminals in 28 healthcare organizations, which allow remote consultation according to the Doctor-Doctor scheme and training of medical personnel.

Also put into operation are medical services for the patient "Making an appointment with a doctor", "Calling a doctor at home", "Ordering and issuing medical documentation" in electronic form.

All Yamal schools received broadband access to the Internet, a wireless Wi-Fi network, each student in grades 2-6 is provided with educational netbooks (more than 28 thousand people).

During the period 2018 - 2021, the number of computers used for educational purposes increased almost 4 times. The average number of schoolchildren per personal computer in 2018 was 4, in 2021 - 1.1. Thus, modern learning conditions have been created for almost all schoolchildren, which has made the district a leader among the constituent entities of the Russian Federation.

Over a six-year period, a regional infrastructure for using the results of space activities has been deployed and its functioning is ensured. Earth remote sensing data are actively used by the authorities of the regional and municipal levels in solving the problems of nature and subsoil use, ensuring the safety of the population, as well as updating spatial data on the territory of the Autonomous Okrug. The district system for providing high-precision positioning services based on GLONASS, consisting of 15 base (reference) stations and a computer center, covers 13% of the territory of the Autonomous Okrug with a high-precision navigation field.

In addition to information technologies, the work of government authorities has begun to introduce

project management methods that destroy established communication models and stereotypes of behavior, as they move away from vertical subordination to work in teams. A participant in such a project needs to be not just a professional, but be creative, flexible, and be able to make non-standard decisions.

In 2021, 12 target models for ensuring a favorable investment climate in the constituent entities of the Russian Federation became pilot projects implemented by the project management method. The implementation of 8 regional projects was also launched, aimed at:

- improving the state civil service and improving the quality of public administration in Yamal;
- creating conditions for staffing industrial growth in the Autonomous Okrug and in Russia as a whole;
- creation of an effective model for the health care of the child population of Novy Urengoy (in the pilot municipality);
- creation of conditions for systematic improvement of the quality of work in the field of social protection of the population of the district.

The purpose of the development of the information society and digital economy in the Autonomous Okrug is the formation of an information space, taking into account the needs of citizens and society in obtaining high-quality and reliable information, the use of Russian information and telecommunication technologies, the use of state bodies, local governments and organizations mainly of domestic software, provision of priority mass socially significant state (municipal) services, state and other services in digital form.

To achieve the goal, it is necessary to focus on solving the following tasks:

- to achieve a level of satisfaction of citizens with the quality of the provision of state and municipal services in 2035 of at least 93%;
- ensure the effective use of digital technologies in the areas of public administration and the provision of public services;
- ensure effective use of the results of space activities and spatial data in the interests of the development of the region.

When fulfilling the tasks set, the main guidelines in the work will be the provisions of the decrees of the President of the Russian Federation dated May 09, 2018 No. 203 "On the Strategy for the Development of the Information Society in the Russian Federation for 2018-2035" and dated May 07, 2018 No. 204 "On National Goals and Strategic Objectives development of the Russian Federation for the period up to 2025" in the field of digital economy.

The implementation of the tasks set will be carried out within the framework of regional projects of the national program "Digital Economy of the Russian Federation" and will include a number of

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infrastructure measures aimed at further development and modernization of the communications infrastructure in the region.

The task of achieving a level of satisfaction of citizens with the quality of the provision of state and municipal services of at least 93% will be solved by expanding the list of regional and municipal services provided at the MFC, improving the quality and improving the mechanisms for their provision, creating mobile MFCs, as well as by expanding the list of state and municipal services provided electronically on portals on the Internet.

The solution of the problem of the effective use of digital technologies in the areas of public administration and the provision of public services will be carried out in the following areas:

- creation and development of existing information systems in the executive bodies of state power of the Autonomous Okrug and local self-government bodies of municipalities in the Autonomous Okrug, ensuring their information security;

- provision of priority mass socially significant, including permissive state (municipal) services, state and other services in digital form, including in the field of education and healthcare, in accordance with the target model (provision without the need for a personal visit to state bodies and other organizations, using the registry model, online (automatically), proactively);

- transition to the use of domestic software in the activities of the executive bodies of state power of the Autonomous Okrug and local self-government bodies of municipalities in the Autonomous Okrug;

- ensuring a balance between the timely introduction of modern data processing technologies and the protection of citizens' rights;

- further improvement of the RMTKS structure for the functions of state administration and monitoring of the socio-economic development of the Autonomous Okrug.

The effective use of the results of space activities and spatial data will be facilitated by a set of measures to:

- an increase in the number of users using the basic elements of the infrastructure of the results of space activities, including data from space sensing of the Earth in systems for monitoring natural resources and nature management, the environmental situation, emergency situations (floods, natural fires), geospatial data on the territory of the Autonomous Okrug using satellite imagery, other objects and processes.

- an increase in the number of stations of the high-precision positioning system, the creation of a regional network of high-precision positioning and its further operation based on the global navigation satellite system GLONASS, to ensure an increase in the accuracy of determining coordinates and increase productivity, reliability and quality of urban planning,

design and survey, construction and other types of work;

- creation of an effective system for collecting, processing, storing and providing consumers with spatial data that meets the needs of the state, business and citizens in up-to-date and reliable information about spatial objects.

The indicators characterizing the solution of the tasks set to improve the efficiency of management technologies will be:

- achieving the level of satisfaction of citizens with the quality of the provision of state and municipal services in 2025 - at least 90%, in 2035 at least 93%;

- the share of priority public services and services that correspond to the target model of digital transformation (providing without the need for a personal visit to state bodies and other organizations, using a registry model, online (automatically), proactively) - 100% in 2035;

- the share of intradepartmental and interdepartmental legally significant electronic document management of state and municipal bodies and budgetary institutions - 90% in 2035;

- the share of public authorities, local governments using geoinformation systems and implementing domestic geoinformation systems - 100% in 2035;

- an increase in the share of domestic information systems that automate the activities of the executive bodies of state power of the Autonomous Okrug by 17% in 2018, 50% in 2025 and 80% in 2035;

The solution of the tasks set will make it possible to achieve the following main results by the end of 2035:

- ensure the development of the information society and the digital economy of the Autonomous Okrug;

- improve the quality and accessibility of state and municipal services for individuals and legal entities in the territory of the Autonomous Okrug;

- ensure the connection of social infrastructure facilities to the Internet at speeds that ensure their interaction with the population in electronic form;

- effectively use the results of space activities in the implementation of economic activities, control of the resource base, implementation of measures for civil protection and fire safety.

The policy of preservation and development of human potential in the region is based on the partnership of civil society actors, business and authorities.

The goal of the human potential development policy is to provide decent living conditions for the population of the Autonomous Okrug, support the development of a person as a professional and citizen, developing and realizing his potential in socially

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acceptable forms.

The priority areas for the development of human potential in the Autonomous Okrug are the following:

- staffing of the region's economy;
- development of civil society;
- socio-economic development of the indigenous peoples of the North;
- ensuring social protection of disabled people and their integration into society;
- preservation and promotion of cultural heritage sites.

The staffing needs of the economy of Yamal in the medium and long term will largely be determined by the implementation of key projects for the state.

High-tech industries are being created, which will require highly qualified engineering and working personnel that meet modern standards and advanced technologies.

In this regard, the formation in the Autonomous Okrug of a system of advanced training and supply of workers for the innovative economy of the Autonomous Okrug in accordance with modern standards and advanced technologies is a priority for the socio-economic development of the region.

The Autonomous Okrug is one of the sparsely populated regions of Russia, and at the same time, it belongs to the group of leaders in terms of the pace and potential of economic development.

Due to a combination of these reasons, the region experiences a shortage of labor resources, including a lack of qualified specialists.

The tension coefficient in the labor market (the number of unemployed citizens per 1 vacancy) decreased from 0.98 in 2018 to 0.18 in 2021 (in Russia, the tension coefficient remained practically unchanged and amounted to 0.6).

A characteristic feature of the labor market is the attraction of foreign and interregional labor migrants to the region, who mainly work in the field of mining and construction - over 17% of those employed in the district's economy work on a rotational basis and live outside Yamal, more than 8.0% of workers are foreign citizens.

Overcoming this problem necessitates the search for fundamentally new approaches to the reproduction of the labor force, involves the adoption of managerial decisions, both in the field of employment and in the system of vocational education.

To form informed decisions, it is necessary to rely on a long-term forecast of the need for qualified personnel.

To this end, the region is constantly working to forecast the needs of the Autonomous Okrug's labor market in qualified personnel. Forecast data is placed in the information and analytical system "Monitoring Yamal", designed to automate and provide information support for the processes of strategic planning and forecasting of the socio-economic development of the Autonomous Okrug.

At the same time, the creation of a full-fledged information base is complicated by the problem of insufficiently effective organizational mechanisms for interaction between the executive bodies of state power of the Autonomous Okrug and leading employers.

The system of vocational education of the Autonomous Okrug fulfills to a greater extent the current order of enterprises, and work is also being carried out on advanced training of personnel for future industries within the framework of the regional project "Workforce for the Arctic".

In the region, there is an insufficiency in the output of the system of vocational education in the region to fully meet the annual additional staffing needs. At the same time, the capacity of the system fully ensures the provision of educational services to applicants from among the residents of the Autonomous Okrug.

In recent years, structural changes have been made in the system of vocational education: after optimization, all institutions were transformed into 6 multidisciplinary colleges with 2 branches in the cities. Gubkinsky, Labytnangi.

Personnel are being trained for fuel and energy complex enterprises and the agro-industrial complex in 2 technical schools: PEI "Gazprom technical school Novy Urengoy", GBPOU YaNAO "Yamal polar agro-economic technical school". To meet the needs of the Yamal economy in qualified personnel, scientific and educational complexes have been created.

In 2018, personnel with higher education are being trained in 4 branches of universities, including 2 state and 2 non-state universities: Social University" in Nadym, a branch of FGBOU HPE "Udmurt State University" in Gubkinsky, Salekhard branch of NOU HPE "Ural Institute of Commerce and Law". They train 968 people, including: full-time 85 people (10%); by correspondence - 883 people (90%).

Branches of educational organizations of higher education are included in the activities of scientific and educational complexes created on the basis of Yamal colleges.

In order to ensure measures to strengthen targeted education and social support for the population in higher educational organizations in the Autonomous Okrug, a mechanism of targeted educational subsidy is being implemented at the expense of the district budget.

Based on the results of the activities carried out in the region to organize targeted admission and targeted training in 2018, more than 117 graduates (in 2017 - 121 graduates) of general educational organizations of the Autonomous Okrug exercised the right to receive targeted educational subsidies at the expense of the district budget to receive higher education in specialties and areas of training, priority for the economy of the Autonomous Okrug.

In 2018, the Project Management Council under

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the Governor of the Autonomous Okrug approved the project "Training highly qualified workers for the economy of the Yamalo-Nenets Autonomous Okrug, taking into account modern standards and advanced technologies ("Workforce for the Arctic"). The goal of the project is to create a system of advanced training and supply of workers in demand in the labor market of the region, in accordance with modern standards and advanced technologies.

The content of the project includes the main components of the regional standard for industrial growth staffing, developed by the Agency for Strategic Initiatives to promote new projects, and the activities of the priority project "Training highly qualified specialists and workers, taking into account modern standards and advanced technologies ("Working personnel for advanced technologies").

As a result of the implementation of the project in 2018, an organizational model for advanced training of personnel for the economy of the Autonomous Okrug was formed, the Council for Personnel Policy under the Governor of the Autonomous Okrug was created, which includes the heads of large companies localized in the Arctic zone of the Russian Federation. A list of 30 professions and specialties of secondary vocational education for the Autonomous Okrug has also been determined.

In 2018, together with the Government of the Autonomous Okrug and large companies, the first corporate resource center (KRUTS) was created for training college students and employees of enterprises in the city of Muravlenko on modern simulators with augmented reality.

The center is equipped with a unique multifunctional simulator that allows in 2D and 3D format to practice skills in various methods of oil production (gusher, mechanized, gas lift), and eliminate emergency situations.

The center has created a digital model of real production - a unique spatial environment that orients students and employees of the company to corporate standards. The simulator is used to organize educational and industrial practice of students, testing when hiring new employees of the company and improving the skills of the company's personnel.

This makes it possible to form a new type of highly skilled workers with the necessary competencies to introduce advanced technologies in the Arctic.

The WorldSkills Russia movement is actively developing in the Autonomous Okrug. Since 2015, the number of competencies in which competitions are held has been increasing at the regional championship "Young Professionals" (WorldSkills Russia).

Colleges have begun to implement the federal state educational standards of secondary vocational education for the 50 most in demand on the labor market, new and promising professions that require secondary vocational education. The new standards

take into account the requirements of international standards for personnel training. In 2019, students were admitted to study in three professions and specialties, in 2020 - 8 each.

A demonstration exam was tested for the state final certification.

In connection with the peculiarity of the development of the economy of the Autonomous Okrug, the priority in the development of the vocational education system of the Autonomous Okrug is the training of personnel for enterprises of the fuel and energy complex, energy and housing and communal services, transport, communications, agro-industrial complex.

Personnel training in professions and specialties of secondary vocational education in the gas and oil sector is carried out in 3 professional educational organizations (GBPOU YaNAO "Muravleknovskiy Multidisciplinary College", GBPOU YNAO "Tarko-Salinsky Professional College", ChPOU "Gazprom Technical School Novy Urengoy"). The main training of personnel is concentrated at the Gazprom Technical School Novy Urengoy. In 2021, 182 skilled workers and mid-level specialists were trained in this direction. The training of workers and specialists in this direction will be expanded.

Training of personnel for the energy sector, housing and communal services, transport and communications is carried out in multidisciplinary colleges. In 2021, 527 skilled workers and mid-level specialists were trained in these areas. In the future, it is planned to build up training for the energy sector, housing and communal services, transport and communications.

For the development of agricultural industries, the training of specialists is carried out on the basis of the Tyumen State Agricultural Academy of the State Agrarian University of the Northern Trans-Urals and GBPOU YaNAO "Yamal Polar Agro-economic College".

In 2021, new priorities of the federal policy in the field of personnel training have been formed:

- federal projects "Modern School", "Success of every child", "Young professionals", "New opportunities for everyone" of the national project "Development of Education" - in order to implement Decree of the President of the Russian Federation dated May 07, 2018 No. 204;

- introduction of a regional standard for staffing industrial growth - in accordance with the List of instructions of the President of the Russian Federation based on the results of a working trip to the Sverdlovsk Region dated March 6, 2018 No. Pr-580.

These initiatives will change the infrastructure and content of training in the medium and long term.

The purpose of staffing is to create a system of advanced training and supply of workers in demand in the labor market of the region, in accordance with modern standards and advanced technologies.



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To achieve the goal, it is planned to solve the following tasks:

- development of a regulatory legal framework that ensures the mutual interests of business and regional authorities in matters of training and supply of workers for the economy of the Autonomous Okrug;
- improving the system of medium-term and long-term forecasting of the need for workers for the economy of the Autonomous Okrug;
- creation of an organizational model for the implementation of a system for the training and supply of workers in demand in the labor market of the region, in accordance with modern standards and advanced technologies;
- training and supply of workforce in accordance with modern standards and advanced technologies in the logic of a practice-oriented approach;
- creation of a modern infrastructure for advanced training and supply of workers in demand in the labor market of the region, in accordance with modern standards and advanced technologies.

The priorities for the development of staffing for the economy of the region in the Autonomous Okrug include the development of general education, additional education for children, and vocational education.

The goal of the policy in the field of general education, in accordance with the Decree of the President of the Russian Federation of May 07, 2018 No. 204, is ensuring the global competitiveness of Russian education, the entry of the Russian Federation into the top 10 countries in the world in terms of the quality of general education.

To achieve the goal, it is planned to solve the following tasks:

- introduction at the levels of basic general and secondary general education of new methods of training and education, educational technologies that ensure the development of basic skills and abilities by students, increasing their motivation for learning and involvement in the educational process, as well as updating the content and improving the methods of teaching the subject area "Technology";
- creation of a modern and safe digital educational environment that provides high quality and accessibility of education of all types and levels;
- introduction of a national system for the professional development of teachers, covering at least 50 percent of teachers.

The goal of the policy in the field of additional education for children, indicated in the Decree of the President of the Russian Federation dated May 07, 2018 No. 204, is education of a harmoniously developed and socially responsible person based on the spiritual and moral values of the peoples of the Russian Federation, historical and national cultural traditions.

To achieve the goal, it is planned to solve the problem on the formation of an effective system for identifying, supporting and developing abilities and talents in children and youth, based on the principles of justice, universality and aimed at self-determination and professional orientation of all students.

The goal of the policy in the field of vocational education, indicated in the Decree of the President of the Russian Federation of May 07, 2018 No. 204, is modernization of vocational education.

To achieve the goal, it is planned to solve the following tasks:

- introduction of adaptive, practice-oriented and flexible educational programs;
- formation of a system of continuous updating by working citizens of their professional knowledge and the acquisition of new professional skills by them, including the acquisition of competencies in the field of the digital economy by everyone;
- formation of a system of professional competitions in order to provide citizens with opportunities for professional and career growth.

The training of personnel in educational programs of secondary vocational education at the Noyabrsk Institute of Oil and Gas - a branch of the FGBOU HE "Tyumen Industrial University", a branch of the FGBOU HE "Udmurt State University" in Gubkinsky will be built in accordance with the federal project "Young professionals (Improving the competitiveness of professional education)" of the national project "Education".

In general, the development of higher education in the Autonomous Okrug will be carried out in accordance with the federal project "New Opportunities for Everyone" national project "Education".

The tools for the implementation of staffing for the economy of the Autonomous Okrug will be:

- forecasting the need for personnel in the medium and long term, taking into account macroeconomic trends in the regional labor market, data from employers, a mechanism for balancing (ensuring compliance) with the current and future needs of the enterprise and the economy of the Autonomous Okrug for up to 7 years;
- vocational guidance in general education through a system of pre-profile training in primary school and profile training in high school, taking into account practical training in skills and competencies on a modern material and technical basis and the possibility of consolidating and demonstrating the acquired knowledge and skills within the framework of regional and national championships according to WorldSkills standards, in additional education of children through the work of three children's technoparks "Quantorium", equipped with high-tech equipment for the study and practical application of

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high technologies;

- a system for assessing the quality of training, including a demonstration exam according to WorldSkills standards to assess the formation of professional competencies of graduates during the state final certification, the participation of employers in assessing students' qualifications during intermediate and final certification, the participation of college students in the championship movement "Young Professionals" (WorldSkills Russia) at the regional and national levels.

The activities of the federal projects "Modern School", "Success of every child", "Young professionals", "New opportunities for everyone" of the national project "Development of Education", the project "Training highly qualified workers for the economy of the Yamalo-Nenets Autonomous Okrug, taking into account modern standards" will be implemented and advanced technologies ("Workforce for the Arctic").

In the medium term, in the course of project implementation, a new infrastructure for Yamal education will be formed.

As part of the Modern School project, it is planned to build up to 28 schools by 2025, which will eliminate the second shift. Conditions will be provided for achieving good results in mathematical, reading and natural science literacy of Yamal schoolchildren in international studies.

During the implementation of the federal project "Success of every child", children's technoparks "Kvantorium" will be created in Yamal cities with a population of more than 60 thousand people, to develop the talent of Yamal children.

A new quality of training and retraining of personnel will be provided through the creation of a system of advanced training of workers for the economy of the Autonomous Okrug with the help of the regional project "Workers for the Arctic" as part of the implementation of the federal project "Young Professionals". New professions and specialties required for investment projects of the district will be opened.

For the training and retraining of personnel, taking into account the international standards of WorldSkills, a center for advanced professional training will be created in the Autonomous Okrug.

Since 2020, work has been underway to upgrade the material and technical base of Yamal colleges in line with the requirements of WorldSkills international standards.

From 2016 to 2020, equipment was purchased for 23 competencies of WorldSkills Russia. In the future, work will continue.

The executive bodies of state power of the Autonomous Okrug, leading enterprises operating in the region participate in the implementation of measures to develop the staffing of the regional economy.

The roadmap for the implementation of the Regional Staffing Standard for Industrial, or Economic Growth, will act as a mechanism for implementing strategic plans for staffing the region's economy.

The results of the implementation of the staffing of the economy of the Autonomous Okrug, taking into account the assessment of the regional expert group, including representatives of enterprises, professional associations of employers - participants in the implementation of the regional standard for staffing industrial growth, the regional representative of the WorldSkills Russia Union, will be considered at the Council on the personnel policy of the Autonomous Okrug.

Indicators characterizing the staffing of the economy of the Autonomous Okrug:

- increase in the number of created corporate resource training centers from 1 in 2018 to 4 in 2025 and maintain the achieved level until 2035 inclusive;
- increase in the share of graduates employed at the enterprise or opening their own business in 2018 from 60% to 70% in 2025 and maintaining the achieved level until 2035 inclusive;
- increase in the share of students studying under targeted education contracts in 2018 from 7% to 24% in 2025 and maintaining the achieved level until 2035 inclusive;
- increase in the number of developed and implemented adaptive, practice-oriented and flexible educational programs in colleges from 3 programs in 2018 to 20 programs in 2025 and up to 40 programs in 2035.
- an increase in the number of graduates of educational organizations implementing programs of secondary vocational education who have demonstrated a level of training that meets the standards

WorldSkills from 0 people in 2018 to 500 people in 2025 and to 1,000 people in 2035;

- an increase in the share of the employed population aged 25 to 65 years who underwent advanced training and (or) vocational training of the total number of people employed in the economy of this age group from 17.1% in 2018 to 37% in 2025 and maintaining this values until 2035.

Based on the results of studies based on a macroeconomic forecasting methodology, taking into account a survey of employers conducted in 2018, a set of professions in demand in the economy of the Autonomous Okrug for the period up to 2035 was determined:

- manual welding electric welder, electric gas welder,
- oil and gas production operator, fitter,
- production and exploratory drilling driller,
- concrete worker,
- accountant,
- car driver, doctor,

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surveyor, road worker,  
commissioning and testing engineer, labor  
protection engineer,  
drilling (drilling) engineer, chemical analysis  
laboratory assistant,  
nurse,  
truck crane driver, bulldozer driver,  
process pipeline installer,  
assembler for the installation of steel and  
reinforced concrete structures, cook,  
programmer,  
repairman,  
locksmith for instrumentation and automation,  
teacher,  
electrician for the repair and maintenance of  
electrical equipment, legal adviser,  
manager, educator, pipe insulator on the line.

10 fuel and energy enterprises operating on the  
territory of the Autonomous Okrug, co-executors of  
the project "Workforce for the Arctic" will take part in  
the implementation of measures to ensure the staffing of  
the economy of the Autonomous Okrug:

- joint-stock company Gazpromneft-Noyabrskneftegaz; limited liability company RN-Purneftegaz;
- limited liability company "Gazprom dobycha Yamburg"; Limited Liability Company Gazprom Dobycha Urengoy; joint-stock company ROSPAN International;
- closed joint stock company "Northgas";
- Open Joint Stock Company Severneftegazprom;
- limited liability company "Gazprom dobycha Nadym"; Limited Liability Company NOVATEK-TARKOSALENEFTEGAZ;
- limited liability company "LUKOIL-Western Siberia".

7 professional educational organizations and 1  
organization implementing additional professional  
education programs will take part in the  
implementation of strategic plans for staffing the  
regional economy:

- State Budgetary Professional Educational Institution of the Autonomous Okrug "Yamal Multidisciplinary College";
- State Budgetary Professional Educational Institution of the Autonomous Okrug "Noyabrsky College of Professional and Information Technologies";
- State Budgetary Professional Educational Institution of the Autonomous Okrug "Novourengoy Multidisciplinary College"; state budgetary professional educational institution of the Autonomous Okrug "Muravlenkovsky multidisciplinary college"; state budget vocational education.
- establishment of the autonomous district "Tarko-Salinsky professional college"; state vocational educational institution of the Yamalo-

Nenets Autonomous Okrug "Nadym Professional College" private vocational educational institution "Gazprom College Novy Urengoy";

- State Autonomous Institution of Additional Professional Education of the Autonomous Okrug "Regional Institute for the Development of Education".

The solution of the tasks set will make it possible to achieve the following main results by the end of 2035:

- creation of a system of advanced training and supply of personnel in demand on the labor market as part of the implementation of the project "Training highly qualified workers for the regional economy, taking into account modern standards and advanced technologies" ("Workforce for the Arctic");
- formation of a system of continuous updating by working citizens of their professional knowledge and the acquisition of new professional skills by them, including through the creation of a center for advanced professional training;
- ensuring the mastery of competencies in the field of the digital economy by everyone.

Public control over the activities of state authorities of the Autonomous Okrug and local self-government in the Autonomous Okrug has been strengthened through the work of public councils under the executive bodies of state power of the Autonomous Okrug and public chambers (councils) of municipalities.

Thanks to the existing collegiate bodies with the participation of representatives of the public, the interaction between the authorities and civil society has intensified.

The activity of socially oriented non-profit organizations has increased, including the implementation of socially significant projects using support funds from the district budget.

Support for the activities of non-profit organizations retains a permanent and systematic basis.

Various types of support are provided (financial, infrastructural, informational, methodological), measures aimed at stimulating project activities on a competitive basis are being implemented, employees and volunteers (volunteers) of socially oriented non-profit organizations are being trained under additional professional education programs.

The Autonomous Okrug is a multi-ethnic region. According to the 2010 census, representatives of more than 100 nationalities live on its territory.

Since the beginning of the 2000s, there has been an increase in the number of national public associations and by the end of 2018 their number reached 30. In this regard, it became necessary to improve the mechanism of interaction between state authorities and national public associations.

In order to coordinate joint activities in the field of interethnic and state-confessional relations in order

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to avoid preventing interethnic and interfaith conflict situations and extremist manifestations, the Concept of the state national policy of the Autonomous Okrug was developed and approved.

An advisory council on issues of ethno-confessional policy under the Governor of the Autonomous Okrug, as well as similar advisory bodies at the municipal level, has been created and is actively operating.

Since 2018, subsidies have been provided on a competitive basis to national-cultural autonomies and socially oriented non-profit organizations for the implementation of projects (programs) in the field of national policy implementation.

The monitoring of ethno-confessional and interethnic relations has been put on a systematic basis: the relevant regulatory legal acts have been adopted, sociological and other studies of the sphere of interethnic and ethno-confessional relations are conducted annually.

State support for the development of district and municipal mass media has maintained a systematic approach aimed at providing technical conditions for the creation and distribution of information materials.

The editorial offices of the mass media have undergone significant modernization. A new production and technical complex was created at the Yamal-Region Okrug Television and Radio Company, which made it possible to improve the quality level of program preparation and created the conditions for organizing joint on-air broadcasting of district and municipal television programs.

The modernization of the district printing complex is at the stage of completion. The printing house of the state institution "Northern Publishing House" updated printing machines, installed and put into operation equipment for pre-press and post-print preparation. The institution is technically prepared for the implementation of publishing projects of a high degree of complexity.

Work on the formation and strengthening of spiritual and moral values and civic consciousness of young people, the development of their socially significant activity, inclusion in the processes of state and social growth was carried out in the following areas:

- development of the youth social movement as a positive form of organizing leisure and employment - in comparison with 2018 by 2021, the number of participants in associations increased by 29.4% and amounted to 29,329 people;
- implementation of activities aimed at the health, preservation of the younger generation, the formation of a culture of a healthy lifestyle - annually at least 32 thousand young people take part in such events;
- activation of the participation of the youth of the Autonomous Okrug in all-Russian events of

various content orientation;

- grant support for youth initiatives within the framework of the social and educational project "Yamal Youth Initiatives" (until 2018 - "Business Youth of Yamal") and the educational youth forum "I'm Young";

- development of youth self-government, parliamentary movement - the Youth Government is actively working in the region, 20 youth councils under the heads of administrations of municipalities operate in municipalities in the Autonomous Okrug;

- implementation of the search movement - by 2018, the number of participants in search teams has tripled, there is an increase in the number of patriotic centers, clubs, patriotic associations, an increase in the level of involvement of the population of the Autonomous Okrug in regional and all-Russian civil-patriotic actions up to 51.3% in 2018.

Given the climatic specifics of the district, the issues of improving the health of children and youth are of particular importance. For this purpose, a system of operational management and quality control of the children's health campaign has been formed. Every year, the health campaign in the Autonomous Okrug covers more than 30,000 people.

In order to promote the professional self-determination of young people, diagnostic testing and counseling on issues of professional choice are regularly carried out, and measures are being taken to ensure temporary employment of adolescents.

The main goal in the development of civil society is the creation of legal, informational, organizational, infrastructural conditions for supporting and developing forms of public participation and self-organization of citizens.

Achievement of the goal will be carried out by solving the following tasks:

- improvement of civil society institutions;
- strengthening the unity of the Russian nation and ensuring the ethno-cultural development of the peoples living in the region;
- expanding the information space in the region and raising the level of awareness of citizens;
- ensuring the possibility of self-realization of youth in the socio-economic, political and cultural life of society;
- increasing the social responsibility of youth.

Solving the problem of improving the institutions of civil society will help the further development of democracy. This will be served by qualitatively new approaches and mechanisms for the development of social partnership, expansion of forms of public self-government, public self-organization of citizens, and an increase in the legal culture of the population of the Autonomous Okrug.

The creation of socio-economic, cultural, spiritual and legal conditions and prerequisites for the free development of the individual will continue, as



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well as the development of mechanisms for public participation (through examinations, consultations, monitoring, public hearings) in the discussion of the most important issues of economic, social and public development of the Autonomous Okrug.

For non-profit organizations, effective mechanisms of state support for activities will be formed, and equal conditions for access to the markets of social services will be provided.

The efforts of civil society institutions will be concentrated on mitigating social conflicts and tensions among the population, establishing the principles of social justice and social solidarity.

Strengthening the unity of the Russian nation and ensuring the ethnocultural development of the peoples living on the territory of the Autonomous Okrug will be carried out by integrating national, religious and other non-profit organizations into the implementation of the state national policy, as well as increasing the role of the public in maintaining a positive interethnic and interreligious dialogue.

The solution of the tasks set in the Autonomous Okrug will also be facilitated by the implementation of measures to form and nurture a culture of interethnic and interfaith communication aimed at peaceful cohabitation of citizens of different nationalities.

To achieve the goal of expanding the information space in the region and raising the level of awareness of citizens, support and development of the mass media of the Autonomous Okrug will continue in the following areas:

- improving the efficiency of the media in the Autonomous Okrug;
- development of new interactive forms and methods of informing citizens;
- ensuring the preparation and release by the media of information materials on the socio-economic development of the region;
- promoting the development of the book publishing system and the implementation of publishing projects.

Ensuring the possibility of self-realization of young people in the socio-economic, political and cultural life of society will be carried out through the implementation of a set of measures aimed at civil and patriotic education of young people, the formation of a caring attitude towards their health.

Work will continue to support the activities of children's and youth public associations, the development of a system to support youth initiatives.

It is planned to organize large-scale regional events with the participation of initiative youth.

Increasing the social responsibility of young people will be carried out through the development of a voluntary (volunteer) movement.

To this end, it is planned to create conditions for the maximum involvement of young people in voluntary (volunteer) activities. Conducting

educational projects for representatives of voluntary (volunteer) associations, volunteers (volunteers) will be carried out.

The list of areas of volunteer activity will expand (corporate, medical, family volunteering, etc.).

The indicators characterizing the development of civil society in the Autonomous Okrug will be:

- increase in the number of institutions of interaction between society and government in the Autonomous Okrug from 240 in 2018 to 245 in 2025 and up to 250 in 2035;
- an increase in the share of citizens participating in the activities of socially oriented non-profit organizations from 23% in 2018 to 26% in 2025 and up to 29% in 2035;
- increasing the level of awareness of the residents of the Autonomous Okrug about the implementation of the strategic tasks of the socio-economic development of the Autonomous Okrug from 42% in 2018 to 62.5% in 2025 and up to 75% in 2035;
- increasing the level of involvement of children and youth of the Autonomous Okrug from 8 to 30 years old in the activities of children's and youth public associations from 18.3% in 2018 to 19.8% in 2025 and up to 25% in 2035;
- an increase in the number of children and youth aged 8 to 30 involved in the work of volunteer associations from 4,486 people in 2018 to 8,742 people in 2025 and up to 12,386 people in 2035.

As a result of solving the tasks set, it is planned to achieve the following results:

- increase the social activity of the inhabitants of the Autonomous Okrug, which is the most important condition for strengthening the institutions of democracy, the development of civil society institutions and maintaining political stability;
- increase the effectiveness of the implementation of youth policy in the Autonomous Okrug, provide conditions for the development of the personal potential of young people, their successful socialization and effective self-realization in the interests of the socio-economic development of the region;
- raise the level of social and civic responsibility of young people, expand the range of socially significant initiatives.

The creation of optimal conditions for the sustainable economic and socio-cultural development of the indigenous peoples of the North is carried out on the basis of rational nature management, strengthening the socio-economic potential, preserving the original habitat, traditional culture and way of life, and improving the system of state support.

For these purposes, an institutional environment has been formed that regulates the development of the indigenous peoples of the North:

- Decree of the Governor of the Autonomous Okrug dated December 28, 2017 No. 132-PG

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approved the People's Program of the Indigenous Minorities of the North in the Autonomous Okrug (hereinafter referred to as the People's Program);

- regional action plans are being implemented to ensure the sustainable development of the indigenous peoples of the North, Siberia and the Far East of the Russian Federation;

- adopted the Law of the Autonomous Okrug dated March 02, 2016 No. 1-ZAO "On Guarantees of the Rights of Persons Leading the Traditional Way of Life of the Indigenous Minorities of the North in the Yamalo-Nenets Autonomous Okrug";

- to address issues of sustainable development of the indigenous peoples of the North, which are interdepartmental, intersectoral in nature, a Coordinating Council was created;

- councils of representatives of the indigenous peoples of the North, created under the Heads of municipalities in the Autonomous Okrug, have been created and are actively carrying out their activities;

- social support is being provided aimed at raising the level of education of the indigenous peoples of the North.

Students from the indigenous peoples of the North who are studying in graduate school are provided with financial assistance, studying by correspondence under the program of targeted training of pedagogical personnel in the profile "Primary education", since 2018, a targeted educational subsidy has been provided.

Since 2018, the Regional Standard for the Minimum Material Security of Persons Leading the Traditional Way of Life of the Indigenous Minorities of the North, approved by Decree of the Government of the Autonomous Okrug dated December 23, 2016 No. 1214-P, has been implemented, providing for the provision of national consumer goods, including sets of plagues, poles, nyuks, stoves for the plague, tarpaulin, cloth, kerosene lamps, mini-power plants, boards, chainsaws and first-aid kits for emergency medical care; cash payments are provided for energy supply.

As of January 01, 2018, 58 trading posts were registered in the Autonomous Okrug, where the tundra population has the opportunity to purchase food and essential goods, as well as receive support measures and medical assistance, and use communication services.

The life safety of the population leading a traditional way of life on the territory of the Autonomous Okrug is ensured, among other things, using the satellite monitoring system of the Autonomous Okrug, to which more than 700 satellite phones purchased at the expense of the Okrug budget are connected.

Measures are being taken to develop international cooperation, exchange of experience with the indigenous peoples of the world in preserving

the traditional way of life, developing the traditional sectors of the economy of the indigenous peoples of the North.

The goal of the regional national policy towards the indigenous peoples of the North is to create conditions for the sustainable development of this category of the population.

The relevance of solving problems in the field of protecting the original habitat and traditional way of life of the indigenous peoples of the North, their rights and legitimate interests, preserving their original culture, language and traditions requires the following tasks:

- implementation of the People's Program;
- promoting the development (or creating conditions for the development) of communities and small forms of economic management of the indigenous peoples of the North;

Factories support.

The main directions for the implementation of the People's Program, formed on the basis of proposals from the population of the Autonomous Okrug, are defined as follows:

- socio-economic development of the indigenous peoples of the North;

- social development measures relating to education, health care, housing, social services and social protection of the indigenous peoples of the North;

- preservation and development of the traditional culture of the indigenous peoples of the North;

- protection of the original habitat of the indigenous peoples of the North;

- protection of the rights and legitimate interests of the indigenous peoples of the North.

Assistance in the development of communities and small forms of economic management of the indigenous peoples of the North will be carried out through:

- holding informative (educational) events for communities and small forms of economic management of the indigenous peoples of the North on entrepreneurial and traditional economic activities, including in the native languages of the indigenous peoples;

- providing subsidies, benefits, preferences that contribute to the financial stability of communities and small forms of management of the indigenous peoples of the North;

- provision of advisory services (legal support, accounting) to communities and small businesses, residents of remote and hard-to-reach areas by socially oriented non-profit organizations.

The indicators characterizing the socio-economic development of the indigenous peoples of the North will be:

- increasing the level of material security of people leading the traditional way of life of the

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indigenous peoples of the North, from the declared need from 60% in 2017 to 80% in 2025 and up to 100% in 2035;

- an increase in the number of communities of indigenous peoples of the North in the Autonomous Okrug and small forms of management from 194 units in 2017 to 218 units in 2025 and up to 230 units in 2035.

As a result of solving the tasks set, it is planned to achieve the following results:

- ensure the preservation of the traditional way of life of the indigenous peoples of the North in the Autonomous Okrug;

- to increase the degree of satisfaction with the vital needs of the population leading the traditional way of life of the indigenous peoples of the North;

- create conditions for the development of communities of the indigenous peoples of the North, small forms of management and employment of the indigenous peoples of the North, including in the branches of traditional economic activity of the indigenous peoples of the North.

Social protection of the population unites and coordinates diverse measures of state support, first of all, to socially vulnerable segments of the population, which contributes to the development of human potential.

An integrated approach to solving the issues of creating an accessible environment for people with disabilities in the Autonomous Okrug made it possible to achieve certain results by 2018.

59% of the priority objects of social and transport infrastructure have been adapted to the needs of the disabled.

In order to improve the convenience of movement of wheelchair users in the Autonomous Okrug, more than 70 buses with a low landing system have been purchased and are operating.

Considerable attention is paid to the organization of events to work with people with disabilities in the field of culture.

For the period 2018 - 2021, at 8 cultural sites, the level of accessibility for wheelchair users and the visually impaired has been increased.

Conditions have been created in public libraries for special groups of users to receive library services.

The solution to the problem of navigation in the museum space and the logic of moving through the expositions was to equip all museums of the Autonomous Okrug with audio guides.

Since 2018, the Accessible Environment regional portal has been operating, which allows a disabled person to plan their route to social infrastructure facilities in advance and determine the method of receiving a service, taking into account the accessibility of the facility.

The process of facilitating the employment of persons with disabilities is actively developing, which is facilitated by the mechanism for quoting jobs for

them. In 2018-2021, the number of quota jobs almost doubled and reached 2,356.

Every year, more than half of the budget funds allocated to social support for privileged categories of citizens of Yamal are provided for the provision of 24 types of support measures for older citizens, including health improvement.

Systematic work in cooperation with public organizations of veterans within the framework of the traditionally held annual charity event "Salary of one day" allows us to provide assistance to elderly citizens in need. In 2018, more than 2,700 senior citizens received this assistance.

Social services for elderly citizens on the territory of the Autonomous Okrug are provided in stationary,

Over the past years, there has been no priority in all forms of social services on the territory of the Autonomous Okrug.

In all municipalities in the Autonomous Okrug, social services for the elderly are organized in home conditions. At the end of 2017, the number of recipients of social services in this form reached more than 900 people.

In order to improve the quality of social services in the Autonomous Okrug, the development of alternative forms of social services has been continued.

To prevent social loneliness, social families are created for the elderly and the disabled. Over 6 years, the number of created social families has increased significantly from 1 social family in 2018 to 19 social families in 2021.

The preservation of the residence of citizens suffering from mental disorders at home is ensured by paying monthly allowances to guardians (in 2021, benefits were assigned to 444 guardians of incapacitated citizens).

On the territory of the Autonomous Okrug, much attention is paid to the issues of attracting non-governmental social service organizations to the social services market by adopting regulatory legal acts and carrying out information and explanatory work on entering the register of social service providers, the theory and practice of providing social services, and compensation for social services provided.

In accordance with the requirements of the Federal Law of December 28, 2013 No. 442-FZ "On the Fundamentals of Social Services for Citizens in the Russian Federation", the Autonomous Okrug provides subsidies to compensate for the costs of social service providers, and also reimburses the costs of organizations providing Social Tax services.

In 2018-2021, there was not a single non-governmental organization providing social services to citizens in the Autonomous Okrug. In the period from 2018 to 2021, 6 socially oriented non-profit organizations and 3 individual entrepreneurs were

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included in the register of social service providers.

There are 6 houses of the system of social services for the population in the region, in which 326 citizens of the older generation live.

An actual form of social service for citizens living in territories far removed from the location of social service institutions is the use of mobile teams. Such brigades are organized in 7 municipalities and allow the provision of urgent social and socio-medical services.

Achieving the goal of increasing the level of social protection of the population will be facilitated by the solution of a number of tasks defined, including by Decree of the President of the Russian Federation dated May 07, 2018 No. 204:

- ensuring social protection of disabled people and their integration into society;
- improving the quality of life of older citizens;

The solution of the problem of social protection of the disabled and their integration into society will be carried out by ensuring equal access to all spheres of life.

The availability of facilities and services for a special category of the population will be ensured by adapting engineering, transport and social infrastructure facilities.

It is planned to implement measures to ensure access for persons with disabilities to information and communication facilities, including information and communication technologies and systems.

In order to realize the rights of people with disabilities to education, work, medical and social services, leisure and adaptive sports, the list of special events implemented within the framework of targeted programs of the Autonomous Okrug will be expanded.

The mechanism for quoting jobs for the disabled will continue to be improved.

An equally important area is the comprehensive rehabilitation and habilitation of the disabled.

To ensure the availability, quality and effectiveness of the implementation of rehabilitation measures in the region, a system of comprehensive rehabilitation and habilitation of all categories of disabled people, including disabled children, will be created, including the institution of early assistance and support for young children with disabilities and their families.

In order to increase the duration, level and quality of life, the degree of social protection of the older generation, and enhance participation in society, measures are envisaged to further develop the infrastructure of social service organizations, introduce innovative and information and digital technologies to improve the quality of social services.

Work will continue to improve the availability of high quality social services for all elderly and disabled citizens in need.

Measures are also planned to increase the

volume of social services provided to older citizens by non-governmental organizations and individual entrepreneurs.

From the beginning of 2019, the territory of the Autonomous Okrug will sell certificates in the category "Home Help", "Hospital at Home", "Social Taxi", the right to receive which will be given to citizens permanently residing in the Autonomous Okrug, recognized as in need of an appropriate form of social service.

The provision of the established volume of social services under the certificate will be carried out by legal entities or individual entrepreneurs providing social services included in the register of social service providers of the Autonomous Okrug, but not participating in the implementation of the state task (order).

The implementation of measures for social services to citizens will be carried out at the expense of the district budget.

Fulfillment of state obligations on social support for the elderly will be ensured through social payments, improving the quality and accessibility of the provision of social support measures and state social assistance, and improving legislation.

The indicators characterizing the level of social protection of the population will be:

- increase in the share of priority social, transport, engineering infrastructure facilities accessible to disabled people and other people with limited mobility in the total number of priority facilities in the Autonomous Okrug from 59% in 2018 to 75% in 2025 and up to 100% in 2035;
- maintaining, by 2025 and 2035, 100% of the level of provision of social support and state social guarantees to citizens who are entitled to receive them and have applied for them;
- preservation by 2025 and 2035 of 100% of the share of citizens who received social services in social service institutions in the total number of citizens who applied for social services in social service institutions;

The solution of the set tasks aimed at increasing the level of social protection of the population of the Autonomous Okrug will allow achieving the following main results by the end of 2035:

- ensure that citizens of the older generation receive affordable and high-quality social services in accordance with their needs;
- ensure 100% adaptation of priority engineering, transport and social infrastructure facilities for unhindered access;
- provide conditions conducive to the restoration (formation) of the skills and abilities of persons with disabilities, including children with disabilities, for the purpose of their social adaptation, including integration into society;

Ensuring the stable demographic development of the Autonomous Okrug is the basis for the



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**JIF = 1.500**

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development of the region and improving the quality of life of the population, it belongs to the national interests and strategic national priorities of the country.

The necessary conditions have been created in the Autonomous Okrug to ensure the development and implementation of demographic policy in general and family policy in particular. The demographic situation in the region is characterized as favorable.

The population of the region in 2018 amounted to 538.5 thousand people (0.37% of the population of Russia). Over the past five years, due to the high level of natural population growth and partly due to the increase in migrants from foreign countries, the region managed to prevent significant population losses associated with migration outflow to other regions of the country.

In 2018, the coefficient of natural increase per 1000 population in the Autonomous Okrug was 9.1%. Among the constituent entities of the Russian Federation, Yamal is ranked 5th in terms of the natural growth rate. On the whole, Russia is registering a natural decline in the population.

Such leadership of the Autonomous Okrug is ensured by a high birth rate and an extremely low death rate, which is largely due to the predominance of people of working age in the population. The average age of the county's residents is 33.3 years.

In general, the birth rate in the district exceeds the death rate by almost 3 times.

Over the past five years, the child population in the region has increased by 7.0%. The share of the child population in the total population by the beginning of 2018 was 26.5. Every fourth inhabitant of the Autonomous Okrug is a child, among the child population every third child is under 6 years old.

The growth of the child population is associated with the implementation of measures that stimulate the birth of children, on which special emphasis is placed in improving the demographic situation.

In the well-being of the demographic situation, fertility issues are of particular importance. The high birth rate in the region compensates for the migration outflow of the population associated with the specifics of the region. The location of a significant part of the territory of the Autonomous Okrug in the subpolar and arctic regions with extreme natural and climatic conditions for human habitation encourages the migration of the population to regions with a more favorable climate.

The measures taken to stimulate the birth rate, strengthen the institution of the family, support families in connection with the birth and upbringing of children ensured the growth of the total birth rate in the region until 2025. The highest values of the indicator were registered in 2014 and 2015 and amounted to 2.189 and 2.188 respectively. In 2018, the level of the total fertility rate was 1.948, which is 20.2% higher than in Russia as a whole. Among the

constituent entities of the Russian Federation, Yamal is ranked 8th in terms of the total fertility rate.

Effective initiatives taken at the federal and regional levels, such as: federal and regional maternity (family) capital, provision of land plots at the birth of third children, construction of perinatal centers, the introduction of benefits for uninsured citizens and an increase in benefits for the insured, a program of kindergartens for children from three to seven years and a program to support third children at the subsistence level of a child in the region made it possible for several years to delay the downward trend in fertility associated with the entry into active reproductive age of small contingents born in the 1990s.

The level of life expectancy of the region's population increased by almost 3 years over five years and amounted to 73.53 years in 2018, which is 1.1% higher than in Russia as a whole.

The proportion of people older than working age has increased against the backdrop of increasing life expectancy since 2018 by almost 1.5 times - up to 11.6% by 2021, over the same period the share of the working age population decreased from 70.8% to 64.3%. Demographic dynamics indicates an inevitable reduction in the economically active population in the region.

In 2018, in the autonomous okrug, 64.3% of the population were of working age, 24.1% were younger than able-bodied, and 11.6% were older than able-bodied.

For the effective implementation of a targeted family and demographic policy in the Autonomous Okrug and making timely management decisions in the region, the Coordinating Council for the implementation of the main directions of state family policy, social support, protection of the rights and legitimate interests of the family, motherhood, fatherhood and childhood has been established and is functioning.

As part of the work aimed at preserving the family, raising the status of the institution of the family, motherhood, fatherhood and childhood in the Autonomous Okrug, Father's Day has been established since 2012.

Since 2014, a solemn ceremony of awarding the Yamal Family Award has been held. Two families from among the laureates of the award became winners of the All-Russian competition "Family of the Year".

Achieving the goal of maintaining positive demographic dynamics in the Autonomous Okrug will be facilitated by the solution of a number of tasks defined, including by Decree of the President of the Russian Federation dated May 07, 2018 No. 204:

- an increase in the total fertility rate;
- increase in the expected duration of healthy life of the population;
- an increase in the proportion of citizens

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leading a healthy lifestyle, an increase in the proportion of citizens systematically engaged in physical culture and sports.

In the near future, due to the reduction in the number of women of reproductive age and due to the aging of the population, citizens will need the support of social services and healthcare structures to a greater extent.

In many ways, the positive characteristics of the demographic development of the region are associated with the sustainable development of infrastructure and sectors of the entire social sphere as a whole.

The increase in the total fertility rate will be facilitated by the implementation of financial support mechanisms for families at the birth of children, the creation of conditions for the employment of women with children, the achievement by 2021 of 100 percent access to pre-school education for children under the age of three and increasing the availability of housing for young and large families .

Measures of social support for the birth of children will be provided both at the expense of the federal budget (monthly payment in connection with the birth (adoption) of the first child), and at the expense of the district budget (provision of certain categories of citizens with three or more children of regional "maternity capital", providing a monthly cash payment to families at the birth of a third child or subsequent children).

In addition, among the measures aimed at stabilizing the situation with the birth rate, it is planned to widely popularize family values and the positive experience of family life, the formation of a positive attitude among the population towards marriage, the creation of a family and the birth of children, including through the status encouragement of the winners of the annual Yamal Family Award , organizing the participation of families of the Autonomous Okrug in the All-Russian competition "Family of the Year", organizing the awarding of the families of the Autonomous Okrug with a public award - the medal "For Love and Loyalty".

An increase in the expected duration of a healthy life of the population will be facilitated by the development and implementation of programs for systemic support and improving the quality of life of older citizens, the formation of a system of motivating citizens to a healthy lifestyle, including healthy eating and giving up bad habits.

The task of increasing the proportion of citizens leading a healthy lifestyle, increasing the proportion of citizens systematically engaged in physical culture and sports, will be solved by creating conditions for all groups of the population to go in for physical culture and sports, mass sports, including increasing the level of provision of the population with sports facilities.

The achievement of the goal of demographic policy in the Autonomous Okrug will be facilitated by

the implementation of the regional segment of the national project "Demography" consisting of five parts, and represented by the following regional projects:

- "Financial support for families at the birth of children";
- "Establishment of a nursery - promotion of women's employment";
- "Older generation";
- "Formation of a system of motivating citizens to a healthy lifestyle, including healthy eating and giving up bad habits";
- "Sport is the norm of life."

The indicators characterizing the solution of problems will be:

- increase in the total fertility rate from 1.948 in 2018 to 2.082 in 2025 and maintain the achieved level until 2035;
- growth of the average annual population from 538.5 thousand people. in 2018 to 540.1 thousand people. in 2025 and 542 thousand people. in 2035.

Solving the set tasks aimed at developing the sphere of family and demographic policy will make it possible to achieve the following main results by the end of 2035:

- increase in the total fertility rate to the level of the target indicator;
- minimizing the consequences of changes in the financial situation of families in connection with the birth of children;
- achieving 100% accessibility of pre-school education for children under the age of three;
- improving the quality of life of older citizens;
- formation of a system of motivating citizens to a healthy lifestyle;
- creation for all categories and groups of the population of conditions for physical culture and sports, mass sports.

The results achieved will ensure the maintenance of demographic dynamics that correspond in their parameters to the needs of sustainable economic development of the region by creating the necessary conditions for maintaining and improving the health and quality of life of the population, creating the necessary socio-economic prerequisites for the transition of families to a large type of reproductive behavior with a responsible attitude to parenthood.

Intensive industrial development of the territory of the Autonomous Okrug, exploitation of the largest oil and gas fields, withdrawal of productive agricultural land and forest land from circulation has led to the formation of significant sources of pollution and degradation of the natural environment.

Over the past six years, significant results have been achieved in the field of nature management and ensuring environmental safety.

A territorial system for monitoring the state of

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the environment has been formed and improved, consisting of annual observations at 15 polygons of integrated regional environmental monitoring located in characteristic natural zones in the undisturbed background territories of the Autonomous Okrug, as well as regular observations on the territory of 134 licensed areas.

Regular monitoring of water bodies is carried out at 30 sites that are most exposed to negative impacts and located near settlements.

In order to timely identify and prevent the negative impact of harmful factors on the environment and ensure the environmental safety of the population of the Autonomous Okrug, a unified system of environmental monitoring indicators has been introduced. Currently, the territorial monitoring system covers the activities of 40 subsoil users and allows obtaining high-quality and complete information about the state of the environment in the region.

The activity of subsoil users is under constant control. During the implementation of the regional state environmental supervision, a total of more than 1.7 thousand inspections were carried out, during which more than 3.5 thousand violations of requirements in the field of environmental protection were revealed. Based on the results of consideration of cases on administrative offenses, administrative fines were imposed in the amount of more than 81.6 million rubles.

From 2018 to 2021, 9 objects of accumulated environmental damage were eliminated in the Okrug, work began on another 9 objects. As a result of liquidation works, the ecological situation in the cities of Salekhard, Noyabrsk, Nadym, Purovsky and Priuralsky districts has been improved. Cleared more than 16 km. channels of water bodies, lands with an area of 65.31 hectares were returned to economic circulation.

The foundations for the development of environmental volunteering have been laid. In particular, eleven environmental expeditions to Bely Island were organized, employees of the Non-Commercial Partnership "Russian Arctic Development Center" and volunteers collected about 1,200 tons of scrap metal, and the island was cleaned of waste.

In the structure of waste generated on the territory of the Autonomous Okrug, for many years, the bulk of production and consumption waste from fuel and energy companies that develop and operate hydrocarbon deposits.

The share of municipal solid waste generated in the territories of settlements that are part of municipalities in the Autonomous Okrug accounts for 22% or 206 thousand tons per year of the total volume of waste generated in the Autonomous Okrug.

Statistical data show a high level of neutralization and recycling of industrial waste, but

for municipal solid waste, the figures are extremely low. In 2020, 2% of such waste was neutralized and disposed of in settlements and 98% was buried.

To address the issues of organizing activities in the field of municipal solid waste management in the period from 2018 to 2021, waste sorting complexes were created and modernized in Novy Urengoy, Tarko-Sale, Nadym, with. Yar-Sale.

The construction of landfills for the disposal of municipal solid waste is underway in the city of Salekhard, with. Beloyarsk, s. Krasnoselkup and points for the processing of solid household and biological waste in the village. Salemal and s. Panaevsk.

A plant for deep processing of secondary polymers was commissioned in Noyabrsk at the expense of a private investor.

The average annual volume of collected and processed secondary raw materials by business entities for further processing, including those outside the Autonomous Okrug, amounted to 22 thousand tons per year.

Thus, the joint efforts of regional and local authorities ensured the solution of priority tasks for the management of municipal solid waste, the involvement of small and medium-sized businesses in the collection of secondary raw materials, and the attraction of extrabudgetary funds in the development of a waste management system, including municipal solid waste.

A number of proposals have been sent to the federal executive authorities to improve the current legislation in the field of municipal solid waste management in the Arctic zone of the Russian Federation.

In order to protect forests from pests and diseases of the forest and their reproduction, a forest pathological survey was carried out on an area of 35,000 hectares, and reforestation was promoted by soil mineralization on an area of 2,500 hectares.

To ensure the protection of wildlife and hunting resources, measures were taken to equip the inspectors with modern vehicles, means of communication, navigation, and video recording. 9 mobile cordons for the protection of wildlife and hunting resources have been installed. The detection and suppression of the facts of poaching is facilitated by regular air patrols of the territories and waters of the Autonomous Okrug.

For the first time on the territory of the Autonomous Okrug, a state nature reserve was established to protect wintering grounds and spawning grounds for whitefish species. Measures have been taken to transform three state nature reserves of federal significance into state nature reserves of regional significance, as a result of which the protection of these territories has been restored, 2 of which are of international importance. A ban on hunting for wild reindeer has been introduced until 2020, 8 rest zones for waterfowl have been created in

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the spring hunting season.

All these activities made it possible to stabilize and increase the number of key types of hunting resources in the period from 2012 to 2021:

- elk - from 5730 to 10627 individuals;
- sable - from 8890 to 20895 individuals;
- wild reindeer - from 7170 to 9100 individuals.

The goal of the policy in the field of rational nature management and ensuring environmental safety is to preserve the natural environment and ensure its protection, eliminate the environmental consequences of economic activity in the face of growing economic activity.

To achieve this goal, it is necessary to solve the following tasks:

- timely detection of environmental pollution and taking measures to eliminate the accumulated damage to the environment, as well as to restore previously disturbed territories and water ecosystems;
- preservation of unique water bodies (basins of the Ob, Pur, Taz, Nadym rivers);
- reduction of the hazard class and reduction in the amount of municipal solid waste intended for disposal;
- forestry development;
- ensuring the protection of wildlife and hunting resources.

The task of timely detection of environmental pollution and taking measures to eliminate the accumulated harm to the environment, as well as to restore previously disturbed territories and water ecosystems will be achieved through:

- monitoring the state of environmental components on the territory of 15 regional test sites of the Autonomous Okrug;
- performance of work on monitoring water bodies on the territory of the Autonomous Okrug in terms of studying: the bottom, banks, the state and mode of use of water protection zones and changes in the morphometric features of water bodies or their parts;
- organizing the collection and analysis of information on the state of the environment from licensed areas.

Works to eliminate the accumulated harm to the environment will include a number of surveys to assess the objects of accumulated harm. Basically, these objects were formed in the last century, and are abandoned geological bases, drilling sites, on which destroyed buildings, warehouses, empty barrels, scrap metal and waste are located.

Work on their elimination will be carried out in cooperation with the Ministry of Natural Resources and Ecology of the Russian Federation.

Studies are also planned in 30 areas of water bodies that are most susceptible to anthropogenic impact. Such sites are bridge crossings, roads located in close proximity to water bodies, water intake or spillway facilities located within the boundaries of

settlements.

Work is planned to clear the riverbeds and carry out dredging to improve the ecological state of water bodies and restore water approaches to the village. Kutopyugan, Nadymsky district, Shomoposl ducts within the boundaries of the municipality of Labytnangi.

To solve the problem of protecting and preserving unique water bodies (the basins of the Ob, Pur, Taz, Nadym rivers), restrictions on economic and other activities will be introduced by establishing and fixing on the ground the boundaries of water protection zones and coastal protective strips, the boundaries of the coastlines of water bodies.

These measures will prevent pollution, clogging, siltation of unique water bodies and depletion of their waters, preserve the habitat of aquatic biological resources, other objects of flora and fauna within the boundaries of water protection zones.

Every year, in the territories of the municipalities of the Autonomous Okrug, actions will be taken to clean up water bodies and their banks from clogging and littering, helping to reduce the anthropogenic load and maintain the cleanliness of water bodies, popularizing the idea of caring for water among the population of the Autonomous Okrug.

As part of the task of reducing the hazard class and reducing the amount of municipal solid waste intended for disposal, work will continue aimed at reducing the volume of generation and reducing the hazard class of solid municipal waste, maximum processing, neutralization and disposal of solid municipal waste, and their minimum burial.

It is planned to create a financially and economically balanced integrated system for waste management, including municipal solid waste, which will involve all cities and rural settlements of the Autonomous Okrug.

The development of waste treatment in the Autonomous Okrug and the reduction of the amount of waste placed will be carried out through the implementation of projects for the construction of waste sorting complexes, as well as the commissioning of lines for the processing and disposal of waste installed at landfills. The secondary raw materials obtained after processing are planned to be sent to processing enterprises in other regions of the Russian Federation.

The unified solid municipal waste management system will cover all municipalities of the Autonomous Okrug, will promote the introduction of environmentally friendly (non-waste) technologies, highly efficient systems for collecting, accumulating, processing, utilizing and neutralizing solid municipal waste.

To solve the problem of forestry development, it is planned:

- increasing the efficiency of forest management through the introduction of information



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technologies in the forest industry, as well as the accumulation of information about the forest fund in terms of designing forest plots and forest inventory;

- increasing productivity and improving the species composition of forests on lands for various purposes, maintaining recreational potential through annual forest maintenance felling and reforestation activities. Reforestation will be promoted by measures to mineralize the soil in cut areas, burnt areas and wastelands;

- carrying out measures to protect forests from pests and diseases of the forest, including surveys of the sanitary and forest pathological condition of forest areas;

- improving the protection of forests from fires.

In order to protect wildlife and hunting resources, the network of specially protected natural areas of the Autonomous Okrug will be expanded, their existing boundaries will be updated and changed.

For the qualitative fulfillment of tasks for the protection of wildlife and hunting resources, the control and supervisory authorities will continue to be equipped with modern material and technical means, the introduction of modern methods of protection, including the creation of game rest zones, monitoring sites, biotechnical measures, and the introduction of scientific and educational activities.

In order to control the rational use of wildlife and hunting resources, regular monitoring of its condition will be carried out. Leading research institutions of the Russian Federation and the Autonomous Okrug will be involved in this work.

Also, the network of specially protected natural areas of the Autonomous Okrug will be expanded, their current boundaries will be updated and changed.

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In order to control the rational use of wildlife and hunting resources, regular monitoring of its condition will be carried out. Leading research institutions of the Russian Federation and the Autonomous Okrug will be involved in this work.

The indicators characterizing the solution of the tasks set for rational nature management and ensuring environmental safety will be:

- liquidation by the end of 2035 of at least 30% of objects of accumulated damage to the environment in the Autonomous Okrug, included in the state register of objects of accumulated damage to the environment;

- improvement of the quality of life of the population in connection with the implementation of

measures to eliminate objects of accumulated environmental damage, as well as the rehabilitation of territories and water areas contaminated as a result of economic and other activities, at least 85 thousand people. until 2025 (inclusive) and up to 163 thousand people. until 2035 (inclusive);

- increasing the share of municipal solid waste sent for treatment in the total volume of municipal solid waste generated from 1.8% in 2018 to 13% in 2025 and maintaining this level until 2035;

- increasing the share of municipal solid waste sent for disposal in the total volume of municipal solid waste generated from 1.2% in 2018 to 4% in 2025 and maintaining this level until 2035;

- achieving a share of imports of equipment for the treatment and disposal of municipal solid waste of 50% in 2025 and maintaining this value until 2035;

- maintaining the forest cover of the territory of the Autonomous Okrug at the level of 20.8%;

- increase in the share of the area of specially protected natural areas of the Autonomous Okrug from the total area of the Autonomous Okrug from 10.82% in 2018 to 10.85% in 2025 and up to 10.9% in 2035.

The solution of the tasks set will make it possible to achieve the following main results by the end of 2035:

- to cover the system of monitoring the state of the environment in 7 municipal districts in the Autonomous Okrug;

- provide the population and organizations with information about the state of the environment;

- restore previously disturbed territories and aquatic ecosystems;

- improve the ecological situation in the territory of residence of 163 thousand people;

- to increase the share of processed, utilized and neutralized solid municipal waste from the total amount of generated solid municipal waste, to reduce the share of solid municipal waste to be disposed of;

- provide settlements in the Autonomous Okrug with facilities for waste management that meet the requirements of the law;

- preserve the forest cover of the Autonomous Okrug.

Yamal is an integral part of the Russian Arctic, a territory where natural resources that are strategic for the country's economy are concentrated.

The region has one of the highest gross regional product per capita in Russia and is one of the few regions with high budgetary security, a donor region. This makes it possible to concentrate significant resources and direct them towards solving the problems of the region's development, actively shaping its future image.

At the same time, there are a number of large-scale problems, including: the activation of economic and political processes in the Arctic region, the

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struggle for leadership in it, the depletion of developed hydrocarbon deposits and the shift of production centers to the north, which calls into question the relevance of the existing settlement system.

At present, the largest infrastructure projects have been launched in the Autonomous Okrug - the construction of the Northern Latitudinal Railway with access to the Northern Sea Route through the construction of the non-public railway line Bovanenkovo - Sabetta. The development of the multifunctional seaport of Sabetta continues.

Work is nearing completion to reach the design capacity of the Yamal LNG plant, which will become an industrial center for the production of LNG in the Arctic region. In the near future, the creation of another more powerful LNG plant based on the fields of the Gydan Peninsula is planned.

During the period of sanctions imposed by a number of foreign countries, the region not only maintained the growth rate of foreign trade turnover, but also created a strong foundation for increasing export performance, primarily through the supply of new fuel and energy products, such as Novy Port oil and LNG. Yamal has all the prerequisites for turning the region into a strategic outpost of Russia in the Arctic.

For the effective formation of leadership, the region must become a stable platform for dialogue, as well as a point of attraction for interests on foreign economic, social, intercultural and scientific issues.

One of the indicators of the development of the region is its foreign trade turnover, which increased by 15.7 times compared to 2018 and amounted to \$7,449.4 million in 2021. Exports increased 7.4 times and amounted to 2,340 million US dollars, imports increased 32 times and amounted to 5,109.4 million US dollars.

The high share of imports in the foreign trade turnover is due to the implementation of large investment projects in the region, including Yamal LNG. It is expected that already in 2022 the share of exports will significantly exceed the volume of deliveries from abroad. In 2021, the main importers of Yamal products were the Netherlands (37.5%), Italy (11.7%), Denmark (9.9%), China (8.8%), and the United Kingdom (6.7%).

The high concentration of investments in the fuel and energy complex affects not only the increase in exports, but also its commodity structure. In the export turnover of the Autonomous Okrug, the largest share is traditionally 27th group of the TNVED of Russia: mineral fuel, oil and products of their distillation. So, in 2018, raw energy products accounted for 96.3% of total exports, and in 2021 - 99.1%.

In the commodity structure of non-energy exports, the main part of goods produced in the Autonomous Okrug is the products of reindeer breeding, which, at the end of 2021, amounted to 0.1% of the total export volume. For 10 years, Yamal has

been the only subject of the Russian Federation that supplies reindeer meat to the countries of Western Europe.

The level of development of small business is currently an important characteristic for assessing the potential of the region.

In 2021, the number of small (micro), medium and individual entrepreneurs was 21,748 people. In relation to 2011, the number of entrepreneurs decreased by 12.3%. This was preceded by changes to federal legislation in 2018.

The number of people employed in entrepreneurship in 2020 exceeded 54.1 thousand people, which is 10.6% more than in 2018 (48.9 thousand people in 2011).

In 2021, the turnover of small enterprises reached 184.8 billion rubles, which is 33.9 percent more than in 2018 (2011 - 138 billion rubles).

Tax revenues to the consolidated budget of the Autonomous Okrug from small businesses in 2021 amounted to 2,027.2 million rubles, which is 43.3% higher than the period of 2018 (2017 - 1,415 million rubles).

As part of the task to promote the effective development of socio-economic spheres and the formation of a positive image of the Arctic region in the period 2012-2017, a number of international and interregional events were held, including:

X International Scientific and Practical Conference on Permafrost "Resources and risks of regions with permafrost in a changing world";

III International Arctic Forum "The Arctic - the Territory of Dialogue";

International conference "Ensuring technogenic and environmental safety in the Arctic: solutions";

International scientific and practical conference "Polar geophysics of Yamal: observations, databases and information systems in the practice of oil and gas fields - POLAR-2014";

International Scientific and Practical Conference "Ensuring Security in the Implementation of Major Economic and Infrastructural Projects in the Arctic. Problems and solutions" "Second session of the international workshop of the Global Cryosphere Watch on CryoNet in Asia";

International Scientific Conference "Archaeology of the Arctic"; International Symposium "Prevention of the spread of infectious animal diseases in a changing climate";

II International seminar on the study of climate change in Siberia; International Summer Ecological School.

Mutually beneficial interregional ties are also developing. Cooperation with the regions of the Republics of Belarus, Kazakhstan, Kyrgyzstan, Moldova, Ukraine was further developed. The beginning of cooperation with such countries of the commonwealth as the Republic of Tajikistan and the Republic of Uzbekistan was laid.

## Impact Factor:

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The Autonomous Okrug actively participates in multilateral cooperation and integration processes both in the space of the countries of the Commonwealth of Independent States and abroad.

Yamal's participation in the Arctic Winter Games has become a tradition. The result of the performance over the last six years of the year was 243 medals, 107 of which are of the highest value. It should be noted that, since 2006, Yamal athletes have been the only representatives of Russia in the Arctic Games.

The region is a permanent participant of the international agricultural exhibition "Green Week" in Berlin.

Presentations of the Autonomous Okrug are systematically held in the countries of near and far abroad.

One of the significant results of the region's international cooperation was the conclusion of a trilateral Agreement of Intent to create an inclusive preschool educational organization on the territory of the municipality of Novy Urengoy between the Government of the Autonomous Okrug, the Administration of Novy Urengoy and Wintershall Holding GmbH.

For 2018 - 2021, a legal framework has been formed in the Okrug that regulates the implementation of the state scientific, technical and innovation policy.

The scientific infrastructure of the region is developing at an active pace. Researchers of the GKU YNAO "Scientific Center for the Study of the Arctic" published a number of articles, including in publications and journals indexed in the databases of scientific publications - Web of Science and Scopus, published monographs and collections of scientific papers by Yamal scientists, developed textbooks, atlases.

The range of partnerships with leading research institutes and universities of Russia, whose scientific interests are correlated with the strategic objectives of the socio-economic development of the district, has been significantly expanded. Cooperation agreements were signed with the Russian Academy of Sciences, the Russian Foundation for Basic Research, the Foundation for Assistance to the Development of Small Enterprises in the Scientific and Technical Sphere, and with large enterprises in the fuel and energy complex. For the period 2018 - 2021, the effective functioning of the Arctic Scientific and Innovation Complex was ensured in the Autonomous Okrug. GKU YaNAO "Scientific Center for the Study of the Arctic" initiated new areas of scientific research that are relevant for the region: the study of permafrost, geophysics, sociological research, soil science, and others.

On the basis of the institution, a certified chemical-analytical laboratory was created to obtain operational data on the state of natural resources, to study the patterns of the impact of environmental

changes on humans. The Institute of Sociology of the Russian Academy of Sciences and the West Siberian Branch of the Institute of Sociology of the Russian Academy of Sciences established the Yamal Sociological Laboratory to conduct joint research on topical issues.

In June 2020, the non-profit partnership "Russian Center for the Development of the Arctic" began its work, the importance of which was noted by representatives of 30 countries. The Russian Center for the Development of the Arctic has developed a network and strengthened the scientific and technical base of research stations and test sites on the territory of the Autonomous Okrug. Today, they cover the territory of Bely Island, the Yamal Peninsula (Erkut and Sabbeta stations), the Gydan Peninsula (Parisento Station), and the Priuralsky District (Myngormanto Station).

An infrastructure for the development of innovation activities has been created, the main elements of a regional innovation system have been formed that provide technology transfer, support for the implementation of innovation projects, as well as the training of qualified personnel. The system of normative legal acts regulating innovation activity in the Autonomous Okrug has been updated.

Regional measures to support the innovation infrastructure favorably contributed to the innovative development of the Yamal economy. Implementation of more than 50 innovative projects, programs and events aimed at the development and support of innovative activities in the Autonomous Okrug has been ensured. The number of subjects of innovative activity in the Autonomous Okrug has increased to 55 units.

The Arctic Scientific and Innovation Complex successfully implements projects aimed at the scientific, technical and innovative development of the region, the creation of an up-to-date database of ongoing environmental processes, the development of evidence-based recommendations for making managerial decisions in various areas of the economy and society:

- a unique innovative project was implemented for the construction of a fish hatchery on the Sob River, which provides compensation for damage to the natural ecological system of the Yamal Peninsula and adjacent water areas as a result of adverse technogenic impact;

- an annual complex Arctic expedition "Yamal-Arctic" is organized and conducted with the participation of a wide range of Russian and foreign researchers representing the Russian Academy of Sciences, higher educational institutions, regional and international scientific centers and organizations. Research is carried out in areas relevant to the Autonomous Okrug;

- a network of seismological monitoring was created on the Yamal Peninsula to monitor and study

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hazardous natural phenomena. The project was implemented with the participation of the Federal Research Center "Unified Geophysical Service of the Russian Academy of Sciences", the Institute of Oil and Gas Problems of the Russian Academy of Sciences, the Institute of the Earth's Cryosphere of the Tyumen Scientific Center of the Siberian Branch of the Russian Academy of Sciences.

Competent management of sustainable development processes, which guarantees a stable attractiveness of the region for life and investment, is the goal of the policy of forming the Autonomous Okrug as a strategic outpost for the development of the Arctic.

In this context, Yamal has all the prerequisites to take its rightful place in the Russian and international markets for industrial and agricultural products, to achieve leadership positions in the Arctic zone of the Russian Federation.

To achieve this goal, it is planned to solve tasks related to the priorities contained in the Decree of the President of the Russian Federation dated May 07, 2018 No. 204:

- formation of a positive image of the region;
- development of small and medium business;
- providing an effective mechanism for attracting investments development of foreign economic activity;
- ensuring the effective functioning of the Arctic scientific and innovative complex.

The solution of the task of forming a positive image of the Autonomous Okrug will be implemented through:

- expanding partnerships with the regions of the member states of the Shanghai Cooperation Organization, the Eurasian Economic Union, BRICS, the Commonwealth of Independent States through participation in international forums, congresses, summits, exhibitions and organizing international thematic events on the territory of the autonomous region;
- promoting the activities of international organizations (the United Nations, the Arctic Council, the University of the Arctic, the Frisian Academy, the Northern Forum, etc.) to preserve, popularize and develop the culture and traditions of the indigenous peoples of the Far North;
- popularization of the spiritual and cultural heritage of the indigenous peoples of the North and the exchange of experience through participation in international exhibitions, festivals and other creative events.

The modern approach to the formation of a positive image of the region focuses on a powerful communication system that unites all components of the region, from local business to the education system.

The implementation of strategically important

Arctic initiatives of the Autonomous Okrug will be accompanied by a broad representation of the region on the Internet, including on the Arktika-Info portal.

The development of inbound tourism, in particular, the development of regional tourism infrastructure, the improvement of the information support system, the expansion of the range of tourist services will increase the competitiveness and recognition of the Autonomous Okrug among the Russian Arctic regions, and create a positive image of the hospitable Yamal.

The development of physical culture and sports and the promotion of a healthy lifestyle will be continued by promoting the participation of Yamal athletes in international competitions, organizing the participation of the Autonomous Okrug team in the Arctic Winter Games.

There are prerequisites for holding the International Arctic Winter Games in 2026 on the territory of the Autonomous Okrug.

The task of developing small and medium-sized businesses will be carried out in accordance with Decree of the President of the Russian Federation dated May 07, 2018 No. 204 "On National Goals and Strategic Objectives for the Development of the Russian Federation for the Period up to 2025" as part of the implementation of the national project "Small and Medium Businesses and support for individual entrepreneurial initiatives".

The main areas of support for small and medium-sized businesses will be:

- improving the efficiency of the infrastructure to support small and medium-sized businesses.

Consulting, information, educational support will be carried out within the framework of the activities of the My Business Center - an aggregator of services and services of business support infrastructure facilities.

Assistance to export-oriented business entities will be carried out by the Export Support Center.

Preferential financing of projects (loans, micro-loans, financial leasing, compensations) of business entities will be continued by financial support funds of the Autonomous Okrug.

Property support for entrepreneurship will continue, both through the functioning infrastructure of the Autonomous Okrug, and through an increase in the property funds of state and municipal property leased on preferential terms;

- improvement of tax policy in relation to entrepreneurs.

"Tax holidays", a patent system with minimum rates, reduced rates under the simplified taxation system, lowering coefficients for a single tax, will adapt to the development of certain industries of entrepreneurs in order to create the most comfortable conditions for further development.

- improving the efficiency of interaction



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between business and government.

Interaction with business associations, their active participation in the activities of coordinating and advisory bodies, taking into account the interests of entrepreneurship in the adoption of regulatory legal acts will be key elements in improving the efficiency of interaction between business and government.

The task of providing an effective mechanism for attracting investments to the region will be solved by implementing a number of measures, including:

- ensuring the operation of channels of direct communication between investors and the leadership of the region in order to simplify the work of business and provide guarantees of stability for investors;
- granting the right to apply reduced rates on taxes credited to the budget of the region to organizations participating in regional investment projects;
- granting the right to apply the investment tax deduction;
- granting the right to apply an investment tax credit;
- development of public-private partnership;
- formation of a favorable investment image of the Autonomous Okrug;
- support for small and medium businesses;
- improvement of control and supervision activities.

The development of foreign economic activity will be carried out in accordance with the national goals and strategic objectives of the development of the Russian Federation, determined by Decree of the President of the Russian Federation dated May 07, 2018 No. 204. A number of measures will be implemented in the district aimed at developing a highly productive export-oriented sector in the agro-industrial complex of the Autonomous Okrug based on modern technologies and provided with highly qualified personnel.

The increase in the volume of non-resource exports will be achieved through the implementation in the Autonomous Okrug of state measures to support export-oriented organizations and enterprises that produce competitive products, the introduction of the Regional Export Standard, which will provide favorable conditions for the development of export activities.

In addition, it is planned to introduce by 2025 a flexible range of financial and infrastructure tools to support exports, including expanded pre-export, export and equity financing, leasing and long-term measures to support export-oriented organizations and enterprises.

By 2025, within the framework of the regional project "Systemic measures for the development of international cooperation and exports", it is planned to modernize the support system for exporters who are small and medium-sized businesses, including individual entrepreneurs. These measures will help

increase the share of such exporters in the total volume of non-commodity exports.

Achieving the intended goal presupposes the creation of an effective system for building up and making the fullest use of intellectual potential. In this regard, the task of ensuring the effective functioning of the Arctic scientific and innovative complex has been defined.

The main priority areas for the implementation of the task are:

- provision of conditions for conducting research and development in accordance with modern principles of organization of scientific, scientific and technical, innovative activities and the best Russian practices;
- formation of an effective communication system in the field of science, technology and innovation, which ensures an increase in the susceptibility of the economy and society to innovation, creating conditions for the development of knowledge-intensive business;
- ensuring the attractiveness of work in the region for Russian and foreign leading scientists and young promising researchers, creating an opportunity to identify talented young people and build a successful career in science, technology and innovation.

Providing conditions for research and development, corresponding to modern principles of organization of scientific, scientific, technical and innovative activities will be implemented through:

- creation and development of a regional innovation system, which includes a network of innovation infrastructure facilities (innovation and technology centers, technology parks, business incubators, other innovation infrastructure facilities);
- development of scientific and scientific - technical infrastructure, including the renewal of the material - technical base of scientific organizations located in the Autonomous Okrug;
- financial support for the integrated Arctic research expedition "Yamal - Arctic";
- development of a network of research stations and test sites for field research;
- increasing the competitiveness of regional science: participation in international and Russian projects and grants, increasing the number of publications in world scientific journals indexed in the Web of Science database, Scopus, RSCI (Russian Science Citation Index), journals recommended by the Higher Attestation Commission of Russia;
- conducting scientific research on a systematic basis together with the Russian Foundation for Basic Research.

The formation of an effective communication system in the field of science, technology and innovation is provided through:

- scientific support of processes and projects that are significant for the Autonomous Okrug,

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participation of research teams in the implementation of "road maps" on topical issues of infrastructural and socio-economic development;

- holding scientific conferences, seminars, visiting schools and other events, organizing the exchange of experience and promoting the development of socially useful scientific and educational initiatives.

Ensuring the attractiveness of work in the region for Russian and foreign leading scientists and young promising researchers, creating an opportunity to identify talented young people and build a successful career in science, technology and innovation will be carried out by:

- popularizing the achievements of young scientists and specialists of the Autonomous Okrug, presenting them for participation in federal and regional competitions;

- stimulating and supporting the professional activities of young scientists and specialists in science and innovation through the mechanism of grant support.

The indicators characterizing the effectiveness of the implementation of the policy in the field of becoming a strategic outpost of the Autonomous Okrug for the development of the Arctic will be the following:

- increase in the volume of gross regional product from 2,461,442.8 million rubles. in 2018 to RUB 4,643,341.4 mln. in 2025 and up to 6,903,735.3 million rubles. in 2035;

- increase by 2035 in the volume of exports of raw materials of the Autonomous Okrug from 2.3 billion US dollars in 2017 to 5.6 billion US dollars in 2025 and up to 8.7 billion US dollars in 2035;

- by 2035, a threefold increase in the volume of exports of non-commodity non-energy goods of the Autonomous Okrug from 2.5 million US dollars in 2018 to 3.7 million US dollars in 2025 and up to 7.5 million US dollars in 2035;

- an increase in the number of people employed in the field of small and medium-sized businesses, including individual entrepreneurs, from 58 thousand people in 2018 to 63 thousand people by 2025 and maintain the achieved level until 2035.

The solution of the tasks set aimed at becoming the Autonomous Okrug a strategic outpost for the development of the Arctic will allow achieving the following main results by the end of 2035:

- creating favorable external conditions for the long-term development of the Autonomous Okrug, modernizing its economy, attracting foreign investment, strengthening its position as an equal partner in the international division of labor and capital;

- development of applied scientific activity and improvement of the quality of its results;

- development of scientific and technical cooperation in the areas of ensuring environmental

safety and environmental improvement of territories, studying climate change and physical factors, preserving natural resources and biodiversity of the Autonomous Okrug with fuel and energy enterprises located on the territory of the Autonomous Okrug;

- creation of an effective system for identifying, building up and making the fullest use of intellectual potential in the interests of the region.

The condition for the successful implementation of the Strategy is a comprehensive, systematic and synchronous interaction between the state, business and society on the principles of public-private partnership.

The main guidelines for the socio-economic development of Yamal in the forecast period generally coincide with plans for the development of the Arctic zone of the Russian Federation. These are innovative modernization of the economy and sustainable economic growth, ensuring national security and personal protection of the population, strengthening the role and place of the Arctic in the economy of the Russian Federation.

In the future, Yamal will take part in the implementation of the state program of the Russian Federation "Socio-economic development of the Arctic zone of the Russian Federation." This will strengthen the strategic advantages of the territory and increase its investment attractiveness.

Development in the priority sectors of the economy: basic, infrastructure, service will receive public-private partnership. Active support for small and medium-sized businesses will continue.

Significant efforts will be focused on creating favorable conditions for new types of activities and new growth points: oil and gas processing (including petrochemicals), fish farming, deep processing of venison, herd horse breeding, dairy farming and greenhouse crop production in the Far North.

In order to expand the opportunities for a significant category of citizens to improve their living conditions, it is planned to build rental housing. The activation and increase in the volume of construction of rental houses is possible by attracting private investment.

In the sphere of servicing the housing stock, which is focused on a steady improvement in the quality of living conditions and the provision of services, the mutual responsibility of all participants in housing and communal relations should grow.

In the field of public administration, project management technologies will be purposefully used, information and telecommunication technologies will be introduced, electronic public services will be developed for the population, including remotely.

All administrative procedures in the field of management will be fixed by the regulations of the state authorities of the Autonomous Okrug and posted in the media and on the State Services portal on the Internet.

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Recipients of state and municipal services will be provided with the most convenient conditions for receiving services, including through the network of multifunctional centers created in the Autonomous Okrug.

The social sphere will undergo extensive modernization with an emphasis on the revival of rural areas, increasing the sustainability of the development of the indigenous peoples of the North and mitigating environmental problems.

The priorities in the field of the education system will be: assistance in retraining the qualifications of the adult population, informatization of the educational process, strengthening interdepartmental cooperation and public-private partnerships, which will ensure the maximum compliance of the results of the educational process with the needs of the regional labor market.

The healthcare sector will focus on improving the availability and quality of medical care.

The sphere of culture will strive to become a real factor in economic development, developing the cultural and spiritual potential of the district.

In the field of social support, measures will be consolidated to increase incomes and the level of social protection of the poor, strengthen the principles of targeting and the need for the provision of social assistance and social support measures.

In the field of protecting the population and territories from emergencies, it is planned to focus the main efforts on carrying out measures that reduce the risk of natural and man-made emergencies, as well as the amount of material and social losses in case of their occurrence.

In matters of national policy, the implementation of measures to strengthen the traditional livelihood,

support the development of communities and other small forms of economic management of the indigenous peoples of the North will continue.

In the financial system of the Autonomous Okrug, development will focus on improving the structure of budget expenditures, taking into account the increase in the development budget, increasing the efficiency of spending budget funds and eliminating inefficient costs.

Financial and credit management mechanisms will focus on solving the fundamental social and economic problems of the district and maximizing the attraction of extrabudgetary sources of funding.

The organizational mechanism for the implementation of the Strategy is the Council, headed by the Governor of the Autonomous Okrug, in whose activities the public and the business community of the region are involved.

The main instrument of the Strategy will be an action plan for its implementation, which will include strategic indicators for the years of its implementation, industries and areas of activity of the executive bodies of state power of the Autonomous Okrug.

The action plan for the implementation of the Strategy will be the basis for the development of state programs of the Autonomous Okrug, containing a list of specific activities and the amount of financial resources necessary to achieve the target indicators for the development of industries and socio-economic guidelines for the development of the Autonomous Okrug.

The basic conditions and targets, the ratio of which makes it possible to evaluate the effectiveness of the measures implemented within the framework of the Strategy, are given in Tables 1 and 2.

**Table 1. Target indicators of socio-economic development of the Yamalo-Nenets Autonomous Okrug for the period up to 2035**

| Name of indicator   | 2017<br>(fact) | 2026<br>(plan) | 2035<br>(plan) |
|---|----------------|----------------|----------------|
| Population (average annual), thousand people  | 538.5          | 540.1          | 542.0          |
| Rate of natural population growth (per 1000 people)   | 9.1            | 8.6            | 8.7            |
| Fertility rate (per 1000 people)  | 14.0           | 13.4           | 13.5           |
| Life expectancy at birth (years)  | 73.5           | 76.2           | 80.0           |
| Share of the population with cash incomes below the subsistence level (% of the total population) | 7.5            | 3.8            | 3.8            |
| Real disposable money income of the population (% compared to 2017)                               | -              | 106.8          | 110.0          |
| General unemployment rate (according to ILO methodology, %)                                       | 3.2            | 2.5            | 2.4            |
| Crime rate (crimes per 100,000 population in 2030)  | 1 540          | 1510           | 1480           |

|                       |                                 |                               |                             |
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**Table 2. Target indicators of socio-economic development of the Yamalo-Nenets Autonomous Okrug for the period up to 2035**

| Name of indicator   | 2017<br>(fact) | 2026<br>(plan) | 2035<br>(plan) |
|---|----------------|----------------|----------------|
| Gross regional product growth in comparable prices by 2017, (%)   | -              | 27.0           | 42.8           |
| The volume of the gross regional product, total (million rubles)  | 2,461,442.8    | 4,643,341.4    | 6,903,735.3    |
| Name of indicator   | 2017<br>(fact) | 2026<br>(plan) | 2035<br>(plan) |
| The volume of gross regional product per capita, thousand rubles per person   | 4,581.2        | 8,597.8        | 12,738.6       |
| Energy intensity of the GRP of YNAO (kg of fuel equivalent/thousand rubles)   | 7.2            | 6.8            | 6.6            |
| Increase in investment in fixed assets at current prices by 2017 (%)  | -              | 37.4           | 2 times        |
| The volume of raw materials of the Autonomous Okrug (billion US dollars)  | 2.3            | 5.6            | 8.7            |
| The volume of export of non-commodity non-energy goods of the Autonomous Okrug (mln. US dollars)  | 2.5            | 3.7            | 7.5            |
| The volume of exports of services rendered (mln. US dollars)  | 0.3            | 1.4            | 2.5            |
| Number of exporters that are small and medium-sized businesses, including individual entrepreneurs  | 1              | 18             | 20             |
| The volume of non-commodity exports of small and medium-sized businesses, including individual entrepreneurs (million US dollars)                         | 1              | 3.7            | 7.5            |
| The share of exporters that are small and medium-sized businesses, including individual entrepreneurs, in the total volume of non-energy exports, percent | 40             | 10             | 10             |
| Average annual number of people employed in the economy, thousand people  | 420.5          | 423.4          | 422.8          |

### Conclusion

The implementation of the Strategy is designed to meet the main demographic challenge of the long-term development of the Republic of Karelia. In conditions of rather high mobility of the population, people choose to live in those regions where they can realize their potential. The answer to this should be an appeal to the needs and capabilities of every inhabitant of the Republic of Karelia and positioning the state as an assistant, the role of civil society in governance should be radically changed, mechanisms for effective feedback from residents should be established. Therefore, at the center of the Strategy are people and their wealth.

The strategic goal of the socio-economic development of the Republic of Karelia is:

improvement of transport, engineering, housing and communal infrastructure as a necessary condition for the development of the economy and the social sphere;

increasing the level of economic connectivity of the territory, which will ensure the growth of the quality of engineering infrastructure in the Republic of Karelia, including transport and energy;

reduction of territorial differentiation of transport and energy supply of municipalities.

The Republic of Karelia will be transformed in terms of indicators of the quality of life of the population and the value of leisure, the creation of a humanistic urban environment in urban districts, new jobs, the transition to a model of sustainable environmental and economic development. The role of the Republic of Karelia as a center of ecological and health tourism in Russia, as well as a center of science and education of the North, an original and diverse, dynamically developing region with traditional and high-tech industries, is growing.

The system of 7 strategic directions is linked to 7 long-term strategic goals and is generally aimed at creating conditions for the integrated development of human potential and the consolidation of the population in the republic through providing basic needs in education, healthcare, infrastructure, a favorable environment, jobs, including highly qualified, concomitant development of services and institutions (Table 3).



|                       |                                 |                               |                             |
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**Table 3. Priority areas and strategic goals of the Strategy**

| Strategic Direction                               | Strategic goal  |
|---|---|
| Infrastructure for life                           | Improvement of transport, engineering, housing and communal infrastructure as a necessary condition for the development of the economy and the social sphere  |
| Development of the economy and entrepreneurship   | creating new jobs, increasing investment attractiveness, pursuing a cluster policy, developing traditional industries and services, creating conditions for the development of new industrial clusters  |
| Development of tourism and hospitality industry   | preservation of the cultural and historical heritage of the Arctic regions: Yamal - Nenets Autonomous Okrug, Krasnoyarsk Territory, Republic of Sakha (Yakutia), Chukotka Autonomous Okrug, Komi Republic, creation of a modern hospitality industry in the Arctic regions: Yamal - Nenets Autonomous Okrug, Krasnoyarsk Territory, Republic of Sakha ( Yakutia), Chukotka Autonomous Okrug, Komi Republic. |
| Sustainable spatial development                   | expansion of international cooperation, implementation of a balanced spatial policy aimed at strengthening the economies of municipalities in the regions of the Russian Arctic: the Murmansk region, the Republic of Karelia, the Arkhangelsk region, the Nenets Autonomous Okrug, the creation of a comfortable urban environment, the introduction of new technologies                                   |
| Enhancing environmental sustainability and safety | implementation of the value system of sustainable development, green economy, ensuring the reproduction of a healthy population, as well as the growth of life expectancy and quality by solving environmental problems to pass on to future generations for subsequent multiplication of the opportunities that the region currently has   |
| social development                                | ensuring a high quality of life for the population by increasing the availability of high-quality social services, the implementation of spiritual and cultural development, interethnic harmony  |
| Effective Governance: Implementation Tools        | creation of a modern development management system, introduction of advanced practices of public participation, new instruments of tax, budget and investment policy  |

The implementation of the Strategy is designed to respond to the main demographic challenge of the long-term development of the Russian Arctic regions. In conditions of rather high mobility of the population, people choose to live in those regions where they can realize their potential. The answer to this should be an appeal to the needs and capabilities of each inhabitant

of the regions of the Russian Arctic and positioning the state as an assistant, the role of civil society in governance should be radically changed, mechanisms for effective feedback from residents should be established. Therefore, at the center of the Strategy are people and their well-being.

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