NOVOSIBIRSK REGION - THE LARGEST RESEARCH, EDUCATIONAL, INNOVATION AND LOGISTICS CENTER OF RUSSIAN FEDERATION
General information

- Total area – 178,200 km²
- Population – 2.8 million people (urban 77.26 %)
- Working-age population – 1.64 million people
- 7 million people live within a radius of 250 km
- More than 12 million people live in the motor vehicle accessibility from Novosibirsk city by all kinds of transport (700 km)
- Population incomes in 2013 – 724 billion rubles
- Consumption spending in 2013 – 756 billion rubles
- Average salary – 29 thousand rubles
- Novosibirsk city is included into the Guinness Book of Records as the fastest growing city

Distance from Novosibirsk to:
- Tokyo 4763 km
- Moscow 2811 km
- Peking 2982 km
Novosibirsk region – dynamically developing area of Russian Federation

growth of key indicators over the last 10 years (in comparable prices)

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Novosibirsk</th>
<th>RF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross regional product</td>
<td>1.6 times</td>
<td>1.5 times</td>
</tr>
<tr>
<td>Growth of investments into fixed assets</td>
<td>3.3 times</td>
<td>2.0 times</td>
</tr>
<tr>
<td>Industrial output</td>
<td>1.7 times</td>
<td>1.6 times</td>
</tr>
<tr>
<td>Real household disposable income</td>
<td>2.4 times</td>
<td>1.9 times</td>
</tr>
<tr>
<td>Real wages</td>
<td>2.4 times</td>
<td>2.2 times</td>
</tr>
</tbody>
</table>
Novosibirsk region – dynamically developing area of Russian Federation

**key indicators in 2013**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross regional product</td>
<td>723.2 billion rubles</td>
</tr>
<tr>
<td>Growth of investments into fixed assets</td>
<td>174.6 billion rubles</td>
</tr>
<tr>
<td>Industrial output</td>
<td>428.2 billion rubles</td>
</tr>
<tr>
<td>Average gross wage</td>
<td>25 527.9 rubles</td>
</tr>
<tr>
<td>Agricultural production</td>
<td>66.4 billion rubles</td>
</tr>
<tr>
<td>Commissioning of residential space</td>
<td>1723.4 thousand sq. m.</td>
</tr>
</tbody>
</table>
Structure of the gross regional product of Novosibirsk Region in 2013

- Trade: 20.80%
- Building: 16.70%
- Agriculture, livestock: 17.20%
- Health and Medicine: 7.20%
- Insurance: 6.70%
- Education: 5.80%
- Other social and private types of activities: 5.70%
- Hotel business, Restaurants: 4.10%
- Finance: 1.40%
- Industrial production: 1.10%
- Real Estate and Rental: 1.10%
- Transport and communications: 0.50%
Industry structure of Novosibirsk Region in 2013

- **Food production**: 24.0%
- **Production and distribution of electricity, gas and water**: 17.3%
- **Manufacture of non-metallic mineral products**: 8.7%
- **Production of vehicles and equipment**: 8.4%
- **Production of electronic and optical equipment**: 8.2%
- **Metallurgy and production of metal products**: 7.6%
- **Mining**: 5.3%
- **Other**: 6.9%
- **Manufacture of rubber and plastic products**: 4.1%
- **Chemical production**: 3.8%
- **Manufacture of machinery and equipment**: 3.6%
- **Pulp and paper production**: 2.1%
International cooperation in 2013

Foreign trade turnover in 2013 was more than 3.26 billion $.

More than 123 countries are trading partners of the region.
Export structure of Novosibirsk Region in 2013

Goods' delivery to Japan
Goods' delivery from Japan

- Machinery, equipment and vehicles: 7.90%
- Chemical products, rubber: 3.10%
- Other goods: 1.40%

Import structure of Novosibirsk Region in 2013

- Equipment for engineering plants: 45%
- Textiles and Shoes: 23%
- Food and agricultural goods: 5%
- Other: 2%
Promising cooperation trends

- Innovative solutions, knowledge-intensive and high-technology industries
- Enhanced cooperation in mining, energy and engineering technology industries
- Enhanced cooperation in health and educational spheres (information exchange, organization of training, professional development, joint projects, exchange of experience)
- Transport and logistics infrastructure (construction and building of distribution centers)
- Agriculture
- Development of cooperation in tourism
Unique human and scientific resources

- **3** Academy of Sciences
- **52** academic institutes
- **38** universities and branches
- **115** industrial, research, technological and design institutes

- **21 500** scientists
- **5 200** PhDs
- **140 000** students
Institutes of the Siberian Branch of RAS cooperate with Japan

Research Center of high-energy accelerators in Tsukuba
Tohoku University in Sendai
Tokyo University of Agriculture and Technology in Tokyo
other universities and companies

In 2014 in the framework of the project between the Institute of Cytology of the Siberian branch of Russian Academy of Sciences and Tokyo University of Agriculture were conducting experiments on cloning, genetic mapping and study of the characteristics of gene expression WFZP-A (one of the key regulators of inflorescence of cereals) in the genomes of diploid and tetraploid wheats

Signing of the Agreement about Scientific Cooperation between the Siberian and Far Eastern Branches of Russian Academy of Sciences and the University of Tohoku. October 29, 2009
A.L. Aseyev, I. Akihis, V.I. Sergienko

3d Russian-Japanese Seminar «Problems of Advanced Materials»
Novosibirsk, Russia, October 8-10, 2013
Promising cooperation trends with the Siberian Branch of Russian Academy of Sciences

- Catalyzators, materials and technologies for the refining and petrochemical
- Materials and components for electronics
- Nanomaterials and coverings
- Lasers, laser systems and technologies
- Materials, technologies and pharmaceutical products for medicine
- Biotechnologies and materials for the usage in agricultural sector
Total project cost 244 million Euro

7.5 thousand new workplaces

305 residents

More than 700 innovative projects

Total area is over 79 183 m2
Production of single-walled Carbon Nano Tubes

«Plasmachemical technology» and «OKSiAl» companies together with «ROSNANO» group of companies and Institute of Thermophysics n.a. Kutateladze S.S. of SB RAS

For the production of «cheap» single-walled carbon nanotubes the development of Siberian scientists was used – plasma chemical reactor with liquid electrodes. It allows to reduce the cost of production dozens of times.

Forecasted volume of production in the first year – 1 ton (SWCNT) (2 times bigger than the current volume of the world output)

Estimated production capacity of OKSiAl is 10 tons per year at a price of 2 thousand USD per kg. Foreign competitors produce at a price of 25-100 thousand USD per kg.
Cleaning Systems and air disinfection

High efficiency air filtration. Providing complete inactivation (destruction) of all types of microorganisms. Purification of the main air pollutants in the gas phase.

The development is based on the research of Novosibirsk scientists.

Prefiltration

Active HEPA filtration

Purification from harmful gases
Biotechnopark

It is planned to organize the production of vaccines, diagnostics, antivirals and antibiotics, veterinary drugs, food, cosmetics and new biotechnologies here.

Residents:

«Bio-West»®: manufacturer of dietary supplements and functional food products based on the pure cultures of probiotic microorganisms.

«The first Siberian Mill» Ltd: every year will be a deep processing of more than 230 thousand tones of wheat into diversified lines of products here: dry gluten, bran, biogas, glucose syrup, organic fertilizers, food rectified ethyl alcohol.

SFS Farm (part of «SFM» group of companies)
Electron-beam synthesis technology is the heart of the company production. Well-known thrombolytic «Trombovazim» and a number of drugs on various stages of clinical and preclinical studies were developed due to this technology.
Testing system for the diagnosis of human parasitic diseases

«Biomedical Soyuz» company in cooperation with Russian universities and research institutes developed a unique testing system for the accurate diagnosis of parasitic diseases, in particular opistorhoza.

Testing systems are unique in their parameters of sensitivity (90%) and specificity.

Products are designed in a modern format, allowing to automate the research and get reliable results.

**Product range:** more than 50 items.
**Products:** HIV, viral hepatitis, Treponema pallidum, viral and bacterial infections.
**Production capacity:** 200 million tests per year.
**Sales geography:** Russia, Kazakhstan, Ukraine, Belarus, Germany, Israel, France, Jordan, etc.
**Participants of the project:** Institute of Cytology and Genetics SB RAS, Siberian State Medical University, Baltic Federal University n.a. Kant.
THE PROJECT is implemented on a public-private partnership

Structure:

- DIAGNOSTIC CENTER
  35 thousand attendances per year

- HOSPITAL
  with intensive care department

- DIAGNOSTIC CENTER
  35 thousand attendances per year

- REHABILITATION DEPARTMENT

- PROTOTYPING CENTER of medical products, equipment, technologies

- ENGINEERING CENTER

- INNOVATIVE CLINIC
Novosibirsk region is one of the leaders in Russian Federation by the volume of gross agricultural production.

**January-September 2014**

**Livestock:**
- Meat (cattle, poultry) 138 ths. tones
- Milk 545 ths. tones
- Egg 947 million pcs

**Crop:**
- Crops 2 200 ths. tones
- For sale 1 000 ths. tones
- Other 532 ths. tones
  *(vegetables and potato)*
Industrial and Logistics park (PLP)

Total area is 2,000 ha

<table>
<thead>
<tr>
<th>Zone</th>
<th>Total area (ha)</th>
<th>Purpose</th>
<th>Construction stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>450</td>
<td>Accommodation of industrial and logistics companies</td>
<td>Stage 2 2013-2017</td>
</tr>
<tr>
<td>B</td>
<td>750</td>
<td>Accommodation of industrial and logistics enterprises. Social and business area</td>
<td>Stage 1 2008-2013</td>
</tr>
<tr>
<td>V</td>
<td>800</td>
<td>High-tech production. Residential area</td>
<td>Stage 3 from 2015</td>
</tr>
</tbody>
</table>

- Infrastructure of PLP is created by a universal General Plan
- The development of the park is based on the principle of constructing the infrastructure first
- Total project cost is 295.3 million Euro
- Total investment volume exceeded 500 million Euro
- 19 residents
- Total area is 2,000 ha
Novosibirsk city – the largest transport and distribution hub of the eastern part of Russian Federation

- Central geographical position in Russia
- The status of the administrative center of Siberian Federal District
- Novosibirsk city – the largest transport hub

**Features:**

Federal highways M-51 «Baikal», M-52 «Chuiskiy trakt» and M-53

Trans-Siberian Railway, Central Siberian Railway, the South pass

International Tolmachevo Airport connects more than 100 cities of Russia and abroad

The largest river port is located on the river Ob’
Transport corridors passing through the territory of Novosibirsk region

- Novosibirsk – Pavlodar 590 km (7.5 hours)
- Novosibirsk – Astana 1027 km (11.5 hours)
- Novosibirsk – Almaty 1808 km (23.5 hours)
- Novosibirsk – Bishkek 1998 km (25 hours)
- Novosibirsk – Tashkent 2554 km (27 hours)
- Novosibirsk – Dushanbe 2963 km (33 hours)
Logistical advantages of the region

Novosibirsk city – the center of Siberia of delivering goods in containers

The volume of container cargo is (2013) more than 200 thousand containers or 300 TEU

Annual growth is 9,9%

* There are 3 container terminals belonging to different owners in Novosibirsk city – TransContainer, Evrosib, FESCO
## Measures of government support for investors

<table>
<thead>
<tr>
<th>Tax concession</th>
<th>Rate of tax to be paid to the regional budget, %</th>
<th>Tax rate based on the benefits for investors, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property tax (insofar as it refers to the property used for the project)</td>
<td>2,2</td>
<td>0</td>
</tr>
<tr>
<td>Income tax</td>
<td>18</td>
<td>13,5</td>
</tr>
</tbody>
</table>

### Novosibirsk region government guarantees

<table>
<thead>
<tr>
<th>Novosibirsk region government guarantees for securing obligations to return borrowed funds</th>
<th>Guarantee exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% of the funds raised for the realization of the investment project</td>
<td></td>
</tr>
<tr>
<td>Subsidies</td>
<td>Subsidy rates</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Subsidies for the interest rate on the bank loans</td>
<td>1/2 of the refinancing rate of the central bank of Russian Federation</td>
</tr>
<tr>
<td>Subsidizing of the part of the lease payments</td>
<td>25% of the payments under the lease agreement</td>
</tr>
<tr>
<td>Subsidizing of the part of the cost of works related to the implementation of the investment project</td>
<td>25% of the cost</td>
</tr>
<tr>
<td>Subsidizing of the part of the cost of works on the connection with the engineering and technical network</td>
<td>50% of the cost</td>
</tr>
<tr>
<td>Subsidizing of the part of the cost to participate in regional and international events as far as the questions of investment activities between investors and the Government of Novosibirsk region are concerned</td>
<td>75% of the cost, but not more than 1.5 mln rubles</td>
</tr>
</tbody>
</table>
Novosibirsk region in international ratings (2013, 2014)

Fitch Ratings

- Long-term foreign currency rating BBB-
- Long-term credit rating in national currency BBB-, forecast is stable
- Short-term foreign currency rating F3
- Long-term national rating AA+, forecast is stable
Welcome to Novosibirsk region