

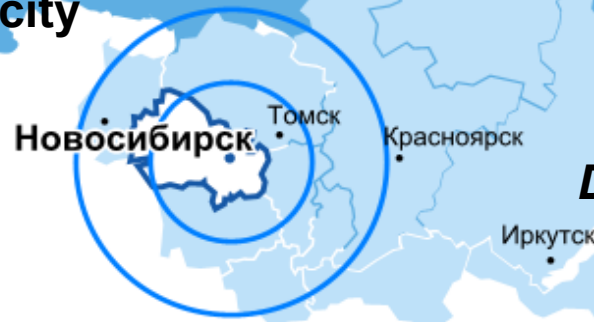


**NOVOSIBIRSK REGION -
THE LARGEST RESEARCH, EDUCATIONAL,
INNOVATION AND LOGISTICS CENTER OF
RUSSIAN FEDERATION**



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 4 763 km
- Moscow 2 811 km
- Peking 2 982 km

Novosibirsk region – dynamically developing area of Russian Federation

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

Indicator	Novosibirsk	RF
Gross regional product	1.6 times	1,5 times
Growth of investments into fixed assets	3,3 times	2.0 times
Industrial output	1,7 times	1,6 times
Real household disposable income	2,4 times	1,9 times
Real wages	2,4 times	2,2 times



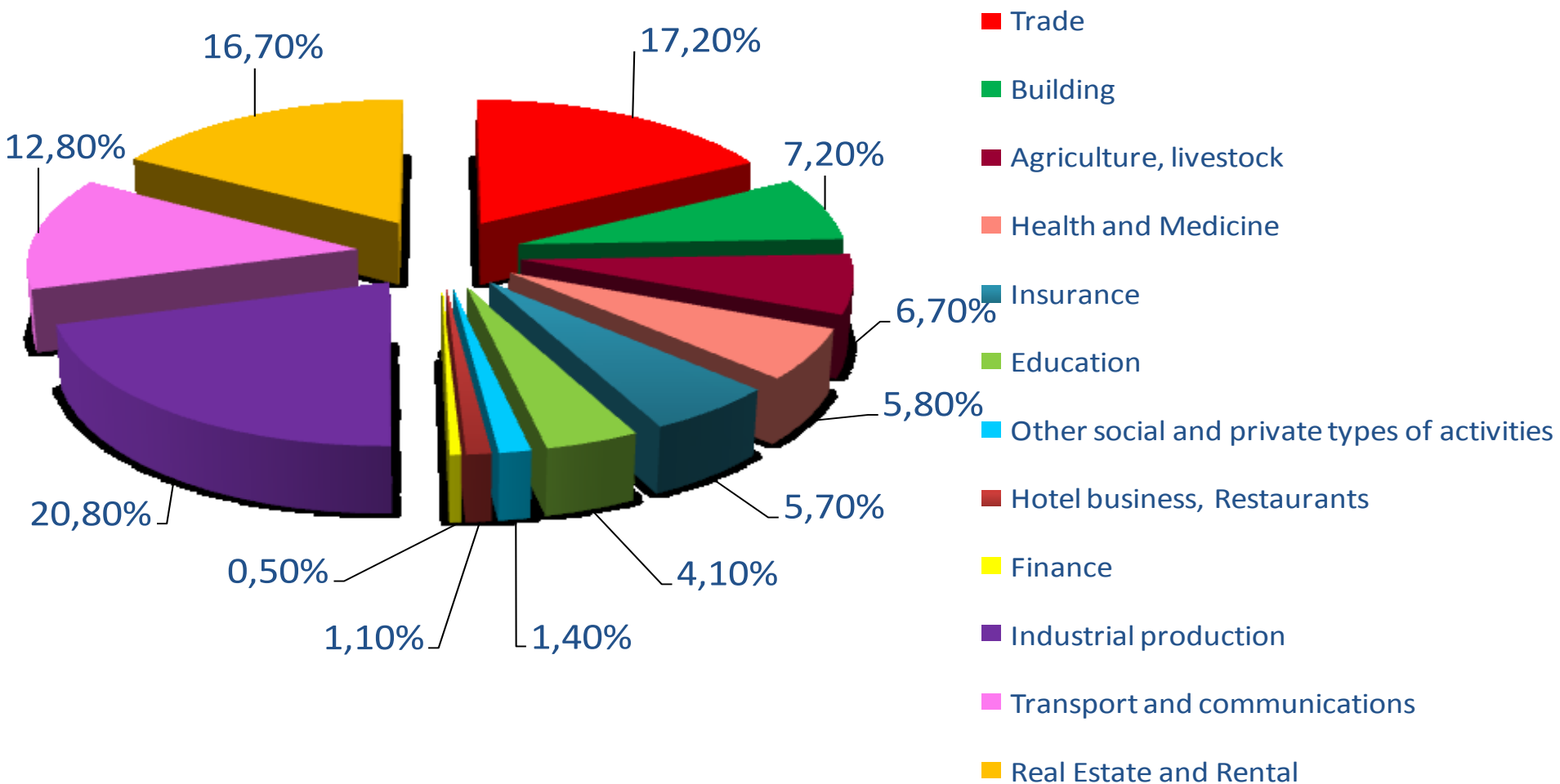
Novosibirsk region – dynamically developing area of Russian Federation

key indicators in 2013

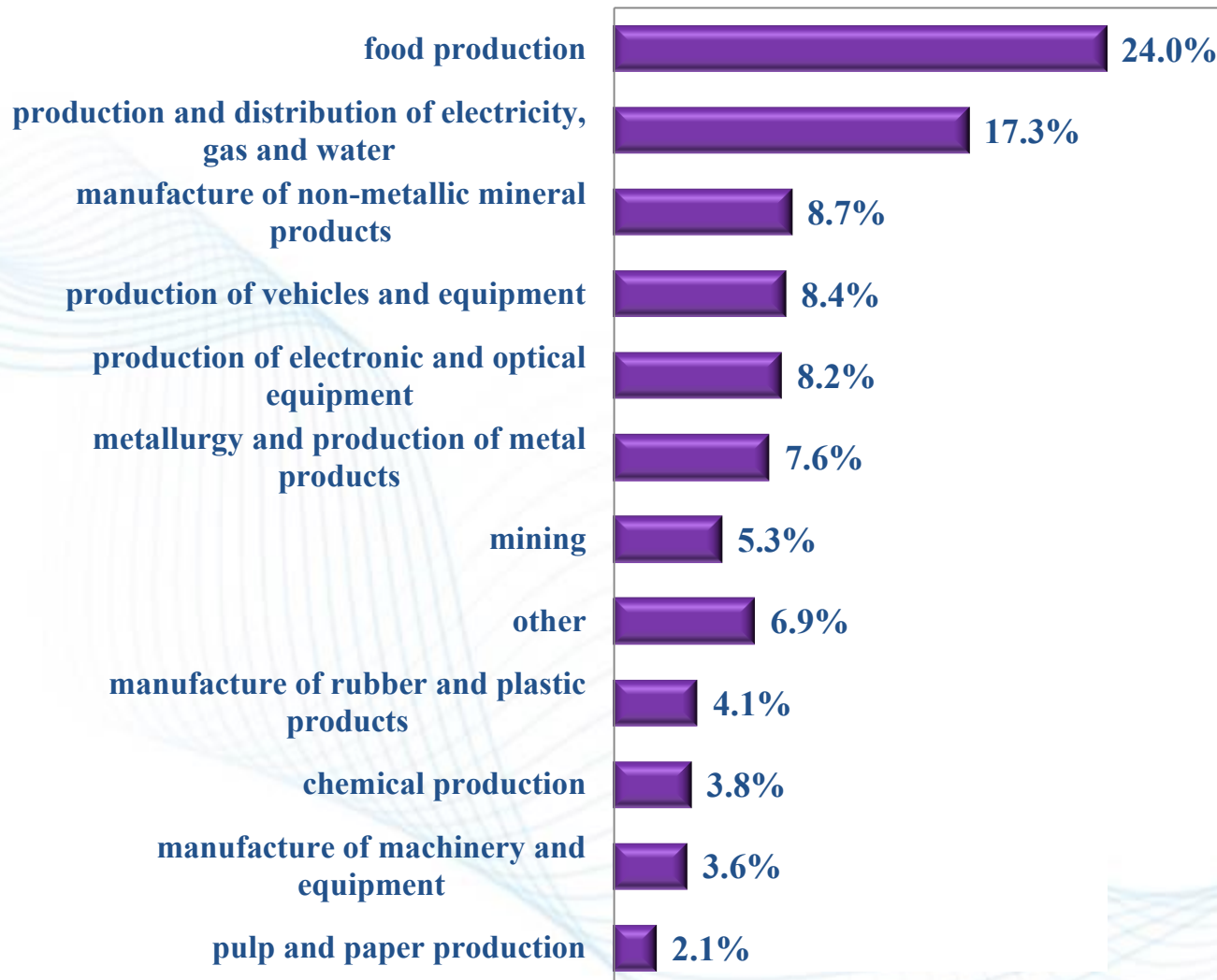
Indicator	Value
Gross regional product	723.2 billion rubles
Growth of investments into fixed assets	174,6 billion rubles
Industrial output	428,2 billion rubles
Average gross wage	25 527,9 rubles
Agricultural production	66,4 billion rubles
Commissioning of residential space	1723,4 thousand sq. m.



Structure of the gross regional product of Novosibirsk Region in 2013

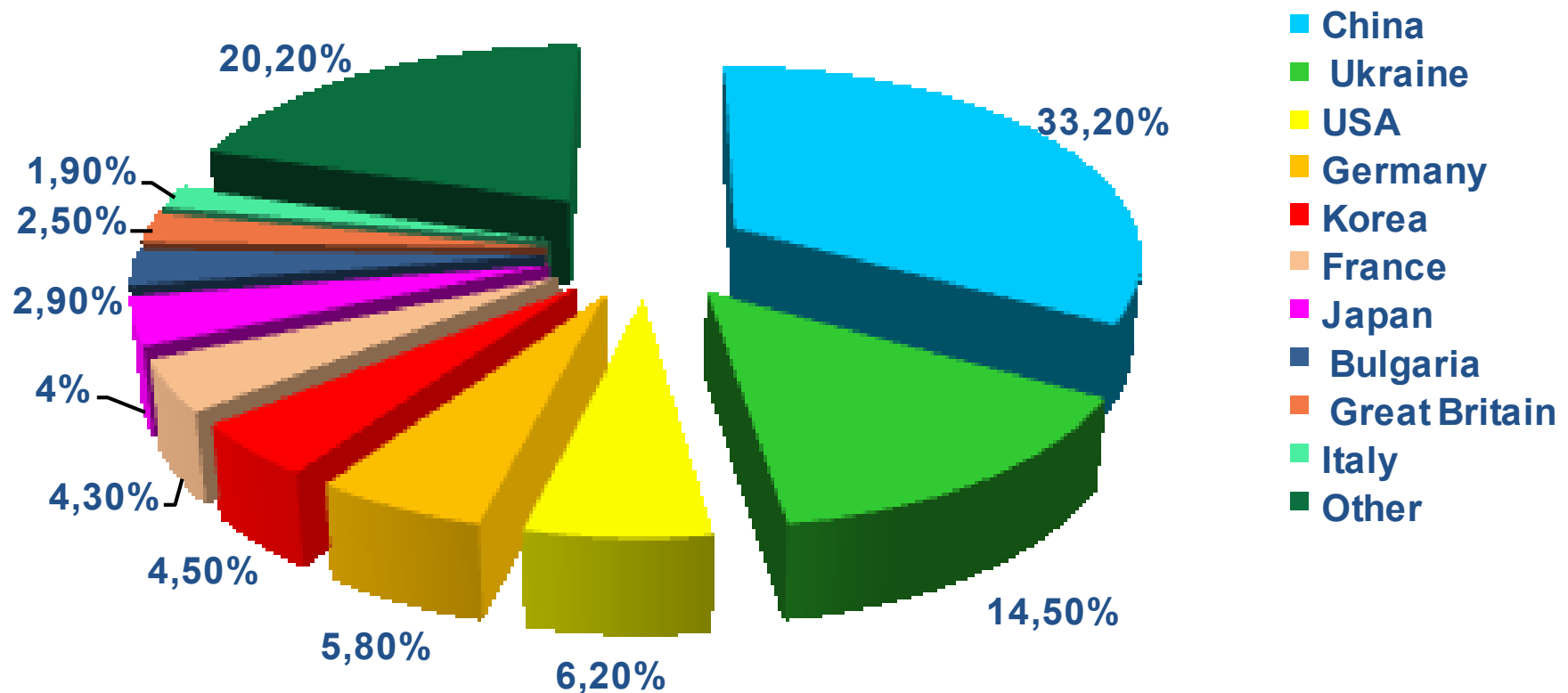


Industry structure of Novosibirsk Region in 2013



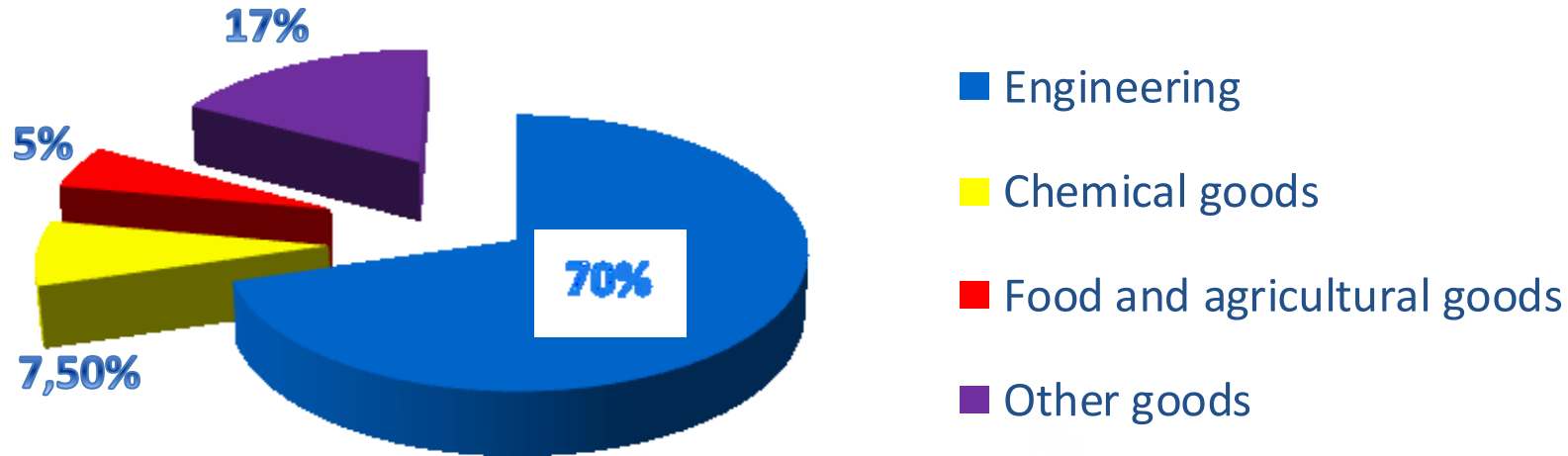
International cooperation in 2013

Foreign trade turnover in 2013 was more than **3.26 billion \$**



More than 123 countries are trading partners of the region

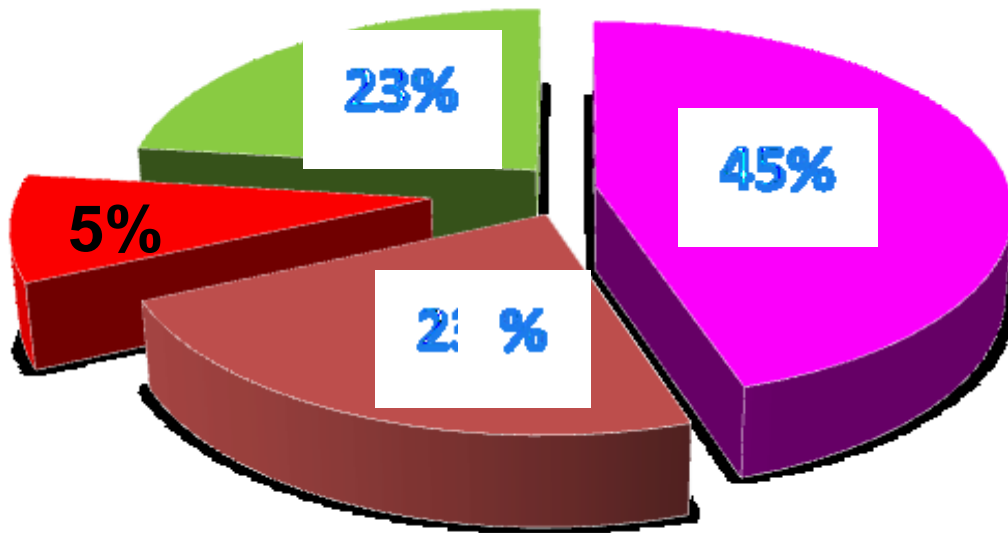
Export structure of Novosibirsk Region in 2013



Goods' delivery to Japan

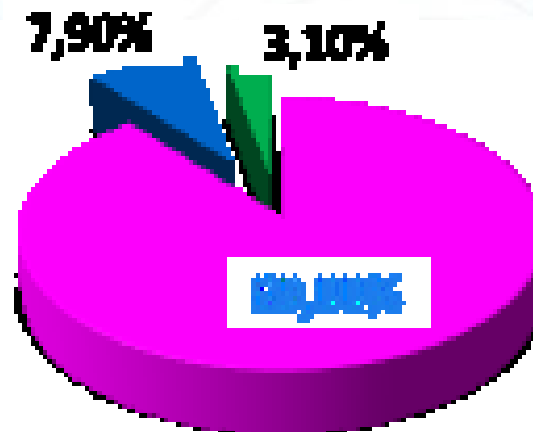


Import structure of Novosibirsk Region in 2013



- Equipment for engineering plants
- Textiles and Shoes
- Food and agricultural goods
- Other

Goods' delivery from Japan



- Machinery, equipment and vehicles
- Chemical products, rubber
- Other goods

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



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

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

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**

Technopark of Novosibirsk Akademgorodok



Total project cost 244 million Euro

7.5 thousand new workplaces

305 residents

More than 700 innovative projects

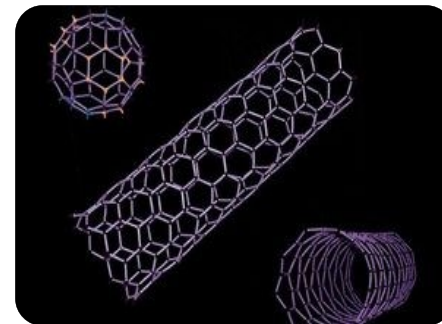
Total area is over 79 183 m²



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)**

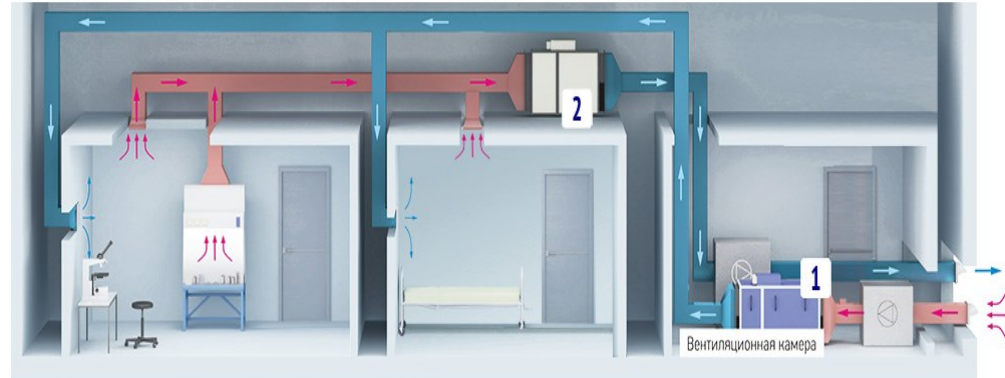
Estimated production capacity of OKSiAl is 10 tons per year at a price of 2 thousand USD per kg.
Foreign competitors produce at a price of 25-100 thousand USD per kg.



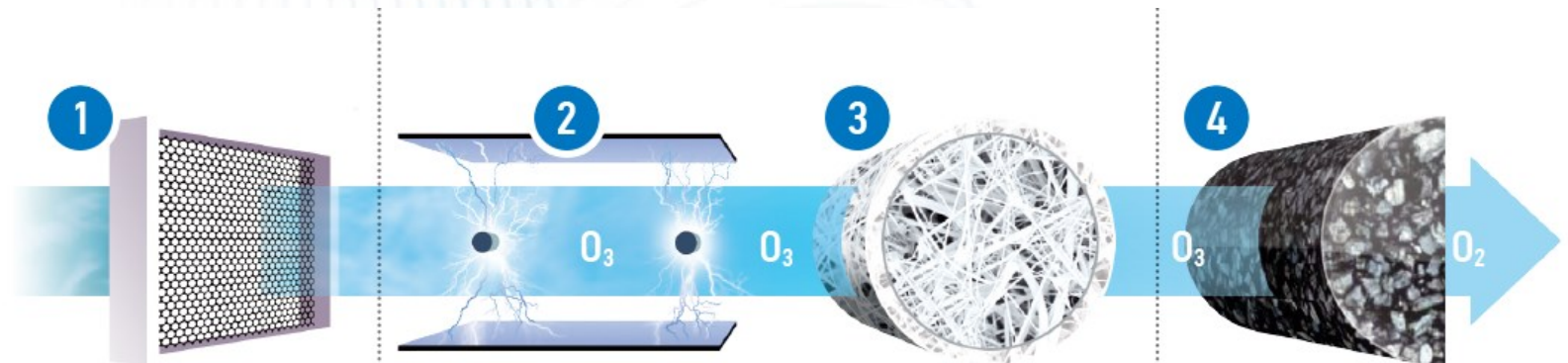


Cleaning Systems and air disinfection

**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



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.

Medical technopark

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**



THE PROJECT
is implemented on
a public-private partnership

Agro-industrial complex and processing industry

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

January-September 2014

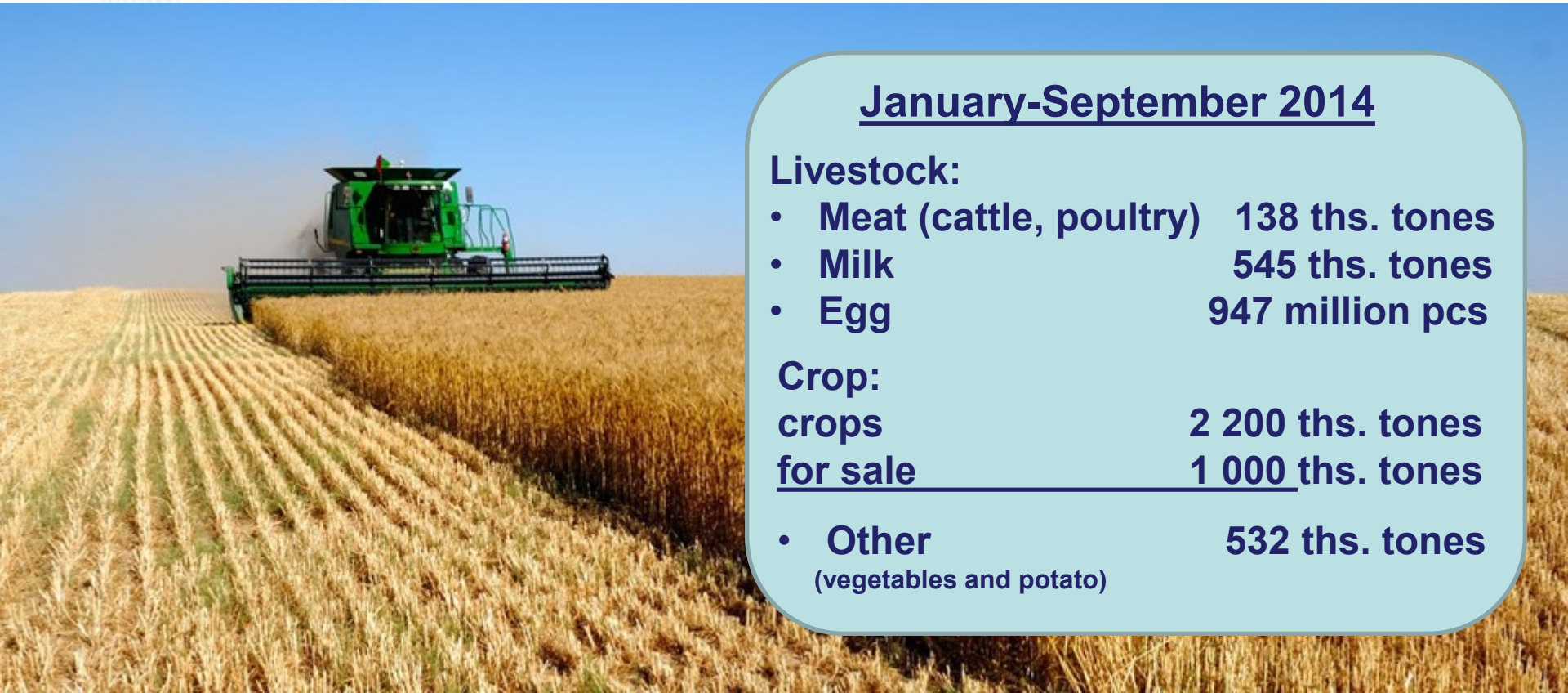
Livestock:

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

Crop:

crops	2 200 ths. tones
<u>for sale</u>	<u>1 000 ths. tones</u>

- Other 532 ths. tones
(vegetables and potato)



Industrial and Logistics park (PLP)

Total area is **2,000 ha**

	Zone A	Zone Б	Zone B
Total area	450 ha	750 ha	800 ha
Purpose	Accommodation of industrial and logistics companies	Accommodation of industrial and logistics enterprises. Social and business area	High-tech production. Residential area
Construction stage	Stage 2 2013-2017	Stage 1 2008-2013	Stage 3 from 2015

- 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

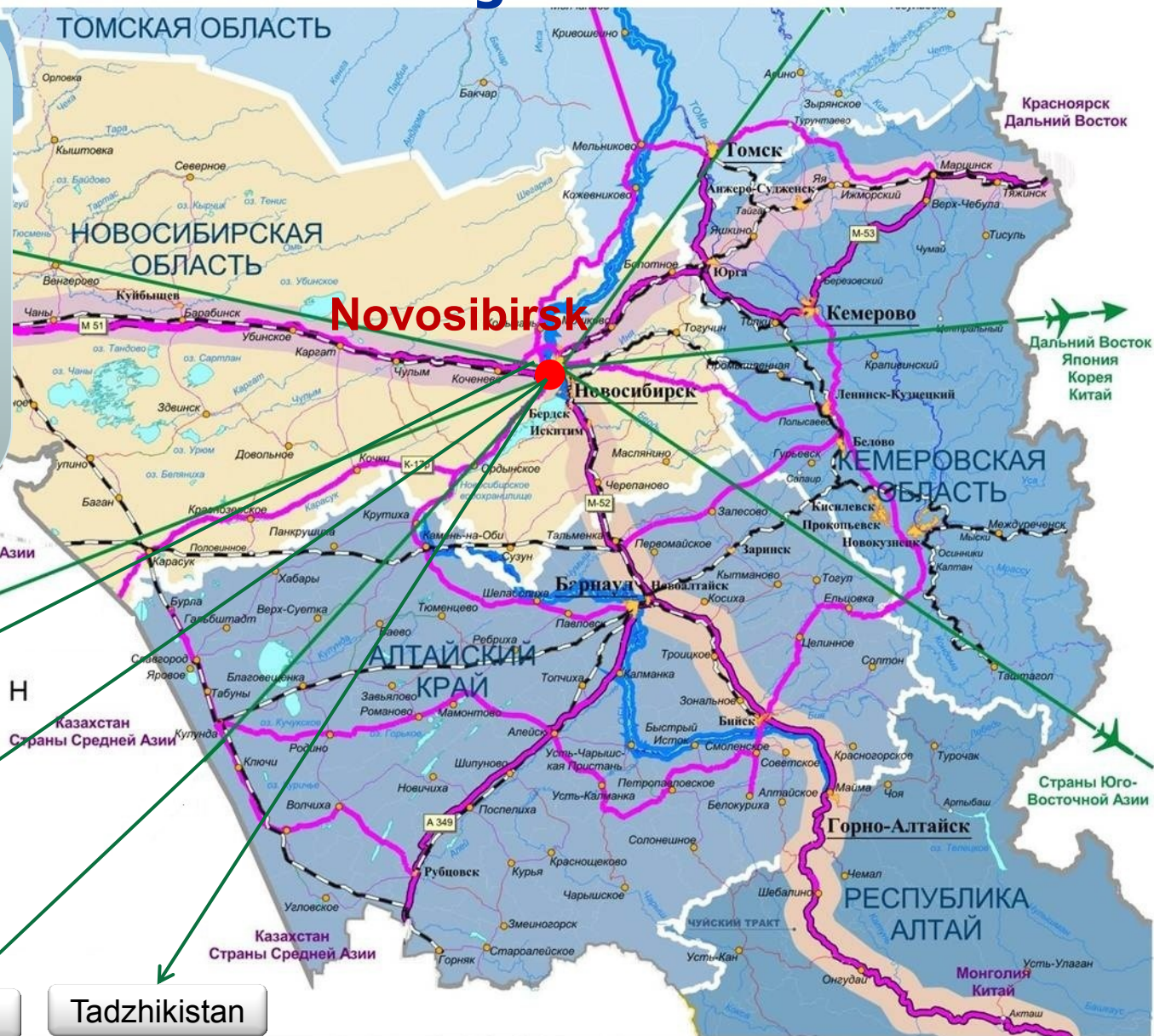
International Tolmachevo Airport connects more than 100 cities of Russia and abroad

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)



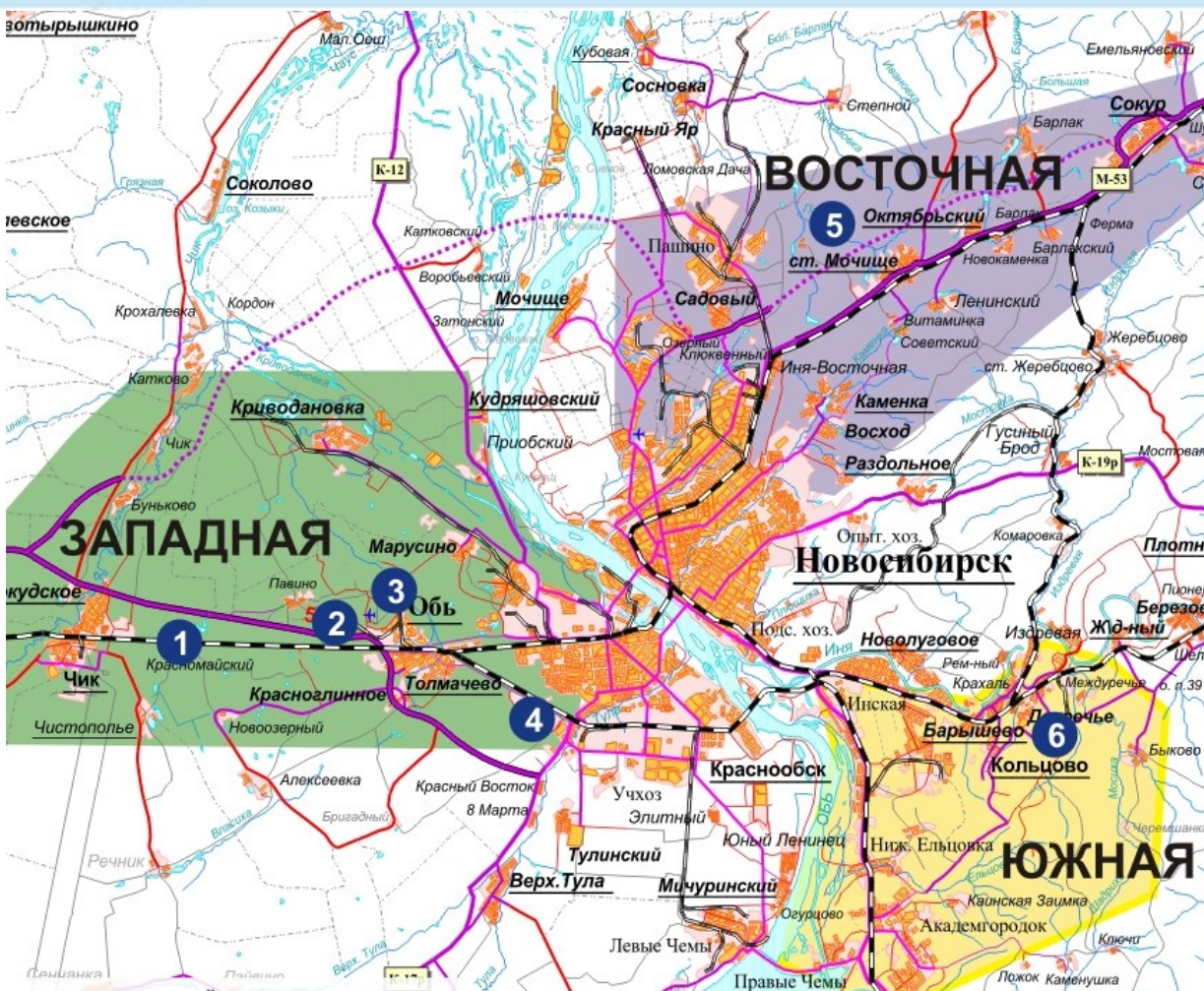
Turkmenistan

Uzbekistan

Kyrgyzstan

Tadjikistan

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

Tax concession		
	Rate of tax to be paid to the regional budget, %	Tax rate based on the benefits for investors, %
Property tax (insofar as it refers to the property used for the project)	2,2	0
Income tax	18	13,5

Novosibirsk region government guarantees

	Guarantee exposure
Novosibirsk region government guarantees for securing obligations to return borrowed funds	100% of the funds raised for the realization of the investment project

Measures of government support for investors

Subsidies	
	Subsidy rates
Subsidies for the interest rate on the bank loans	1/2 of the refinancing rate of the central bank of Russian Federation
Subsidizing of the part of the lease payments	25% of the payments under the lease agreement
Subsidizing of the part of the cost of works related to the implementation of the investment project	25% of the cost
Subsidizing of the part of the cost of works on the connection with the engineering and technical network	50% of the cost
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	75% of the cost, but not more than 1.5 mln rubles

Novosibirsk region in international ratings (2013, 2014)

FitchRatings

- 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

