Development strategy of the Big Krasnoyarsk in conditions of modernization of the economy
Map of the priority development areas in Russia
(web-site of the Ministry of regional development of Russia)

Largest agglomerations
1. Moscow agglomeration
2. St. Petersburg agglomeration
3. Nizhny Novgorod agglomeration
4. Samara-Tolyatinskaya agglomeration
5. Kazan agglomeration
6. Rostov agglomeration
7. Ekaterinburg agglomeration
8. Chelyabinsk agglomeration
9. Irkutsk agglomeration
10. Krasnoyarsk agglomeration
11. Khabarovsk agglomeration
12. Vladivostok agglomeration

Transport corridors
- Международный Евразийский транспортный коридор (Евразийский)
- Панъевропейский коридор (Существующий)
- Международный Евразийский транспортный коридор Транссиб (перспектива на 2013 г.)
- Международные Евразийские транспортные коридоры Транссиб (Перспектива на 2010 г.)
- Международный Евразийский транспортный коридор Север-Юг (Перспектива на 2010 г.)
- Панъевропейский коридор (Существующий) Север-Юг
- Международный Евразийский транспортный коридор Приморье-1
- Международный Евразийский транспортный коридор Север-Юг
- Внутренние водные пути
- Железнодорожный маршрут (Отделение)
- Северный морской путь

Area category
- Agricultural sector
- Extraction of natural resources
- Tourism and recreation
- New economy
- Manufacturing activities
Demography by 2020

- Population of Krasnoyarsk as of 01.06. 2012 – 1004 thous. ppl.
- The Krasnoyarsk Agglomeration in 2020 – 1500 thous. ppl. (“change the business” scenario)
- The Krasnoyarsk Agglomeration in 2020 – 1300 thous. ppl. (“business as usual” scenario)

Demography by 2020:

- Structure of population growth, %
  - Natural increase: 46.1%
  - In-regional migration: 34.4%
  - Other migration: 19.5%

Population of the Agglomeration core and Commuting in the Agglomeration core (thous. ppl.):
- 2007: 45
- 2011: 60
- 2015: 70
- 2020: 90

Population by year (thous. ppl.):
- 2007: 935
- 2011: 989
- 2015: 1046
- 2020: 1100
Preconditions to agglomeration – substantial commuting

Scheme of commuting. Functional zoning

Commuting from neighboring areas to the core of the Agglomeration: 2010 – 61.5 thous.ppl. to be increased by 2020 up to 90.0 thous.ppl.
Structure of manufacturing by type of economic activity in 2011, %

- Foodstuff production: 11.8%
- Textile and clothing production: 0.2%
- Shoe production: 0.1%
- Woodworking: 0.5%
- Pulp and paper production: 2.3%
- Chemical production: 2.3%
- Rubber production: 0.8%
- Nonmetallic mineral products: 5.4%
- Other productions: 4.7%
- Electronic and optical equipment production: 2.2%
- Machine and equipment production: 10.0%
- Transport and equipment production: 3.8%
- Metallurgical production: 55.9%
Share of Krasnoyarsk in indicators of the Krasnoyarsk Krai in 2011

- Resident population
- Retail trade turnover
- New housing
- Investment in fixed capital
- Number of employed in the economy
- Products shipped (CDE)
Structure of manufacturing by type of economic activity in 2020 (large and medium entities)

- **food production** – 17.9%, ▲ by 6.1% by 2011
- **textile and clothing production** – 0.04%
- **shoe production** - 0.17%, ▼ by 0.06% by 2011
- **woodworking** – 0.3%
- **pulp and paper production** - 1%, ▼ by 1.3% by 2011
- **chemical production** – 1.2%
- **rubber production** – 1.4%, ▲ by 0.5% by 2011
- **nonmetallic mineral products** – 9.1%, ▲ by 3.7% by 2011
- **metallurgy** – 46.8%, ▼ by 7% by 2011
- **machine building** – 19.4%, ▲ by 3.4% by 2011
- **other productions** – 3.2%, ▲ by 1.7% by 2011
Priorities of sectoral development

Comparative analysis of the priorities of sectoral development

Attractiveness, weighted index

Achievability, weighted index

*Размер круга символизирует выручку отрасли (сектора) в инновационном сценарии в 2020 г.
Dynamic of fixed capital investments

**Investments in fixed capital in Krasnoyarsk, bln. rub.**

<table>
<thead>
<tr>
<th>Year</th>
<th>Investments</th>
<th>Year</th>
<th>Investments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>60.9</td>
<td>2014</td>
<td>89.8</td>
</tr>
<tr>
<td>2011</td>
<td>62.7</td>
<td>2015</td>
<td>102.6</td>
</tr>
<tr>
<td>2012</td>
<td>69.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>78.4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Investments in fixed capital in the Agglomeration area, bln. rub.**

<table>
<thead>
<tr>
<th>Year</th>
<th>Investments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>62.0</td>
</tr>
<tr>
<td>2011</td>
<td>69.3</td>
</tr>
<tr>
<td>2012</td>
<td>72.1</td>
</tr>
<tr>
<td>2013</td>
<td>82.3</td>
</tr>
<tr>
<td>2014</td>
<td>96.1</td>
</tr>
<tr>
<td>2015</td>
<td>110.8</td>
</tr>
</tbody>
</table>

**Investments in fixed capital by large and medium entities per capita in 2011, thous. rub.**

<table>
<thead>
<tr>
<th>City</th>
<th>Investments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Krasnoyarsk</td>
<td>54.7</td>
</tr>
<tr>
<td>Kemerovo</td>
<td>20.8</td>
</tr>
<tr>
<td>Barnaul</td>
<td>26.4</td>
</tr>
<tr>
<td>Novosibirsk</td>
<td>42.5</td>
</tr>
<tr>
<td>Tomsk</td>
<td>54.4</td>
</tr>
<tr>
<td>Irkutsk</td>
<td>28.9</td>
</tr>
</tbody>
</table>
Analysis of the gross value added indicators

per capita (thous. RUR)

- City of Krasnoyarsk
- The Krasnoyarsk Agglomeration

<table>
<thead>
<tr>
<th>Year</th>
<th>City of Krasnoyarsk</th>
<th>The Krasnoyarsk Agglomeration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>224.6</td>
<td>213.8</td>
</tr>
<tr>
<td>2013</td>
<td>205.1</td>
<td>197.3</td>
</tr>
<tr>
<td>2012</td>
<td>188.9</td>
<td>180.2</td>
</tr>
<tr>
<td>2011</td>
<td>174.9</td>
<td>165.3</td>
</tr>
<tr>
<td>2010</td>
<td>168.3</td>
<td>157.7</td>
</tr>
</tbody>
</table>

per one person employed (thous. USD)

<table>
<thead>
<tr>
<th>Country</th>
<th>Year 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>7.4</td>
</tr>
<tr>
<td>Brazil</td>
<td>10.9</td>
</tr>
<tr>
<td>Germany</td>
<td>35.9</td>
</tr>
<tr>
<td>Australia</td>
<td>41.3</td>
</tr>
<tr>
<td>USA</td>
<td>47.4</td>
</tr>
<tr>
<td>Norway</td>
<td>59.1</td>
</tr>
<tr>
<td>Ukraine</td>
<td>6.7</td>
</tr>
<tr>
<td>Russia</td>
<td>15.9</td>
</tr>
<tr>
<td>Krasnoyarsk Krai</td>
<td>11.2</td>
</tr>
<tr>
<td>Krasnoyarsk</td>
<td>10.4</td>
</tr>
</tbody>
</table>
Successful implementation of the chosen strategy will result in economic diversification and growth and, together with a rise in labor productivity, will lead to growth of household income.

**GRP of the Krasnoyarsk Agglomeration in prices of 2008, bln. rub.**
- 2008: 332 bln. rub.
- 2020 Innovative: 862 bln. rub.
  - **+ by 2.6 times**

**Productivity of enterprises and organizations in prices of 2008, thous. rub. Annually per person employed**
- 2008: 1 167 thous. rub.
- 2020 Innovative: 2 800 thous. rub.
  - **+ by 2.4 times**

**Structure of economy of the Krasnoyarsk Agglomeration*, mln. rub. In prices of 2008.**
- Agriculture, timber industry and mining: 52 724 mln. rub.
- Processing industry: 28 081 mln. rub.
- Power, gas and water distribution: 90 635 mln. rub.
- Trade: 143 284 mln. rub.
- Construction, tourism, finances, transport and communication: 20 276 mln. rub.
- State sector and social services: 44 546 mln. rub.
- Science and education, commercialization of scientific research results **: 130 200 mln. rub.
- 2008: 3 068 mln. rub.
- 2020: 8 629 mln. rub.
  - **+ by 2.6 times**

**Level of per capita income in prices of 2008, thous. rub. per year**
- 2008: 198 thous. rub.
  - **+ by 2.3 times**

* – assessment of GRP without PE; ** - benefit of commercialization of scientific research results was calculated on the basis of international data about multiplicative effect of R&D sector development (innovation sphere)
Increase of basic indicators due to industrial capacity utilization

**Shipping volume C D E**

- 2011: 201 bln. rub.
- 2020: 358 bln. rub.

**Average number of employees C D E**

- 2011: 91 thous. ppl.
- 2014: 104 thous. ppl.

**Priority clusters**

- Metallurgy
- Machine building
- Building industry
- Food industry
- Power industry
- Timber industry

Increase of basic indicators due to industrial capacity utilization by 1.7 times.
Infrastructure to support business in the Agglomeration

Purpose-oriented development programs

Business incubators
- Support of startups
- Office maintenance
- Travelling assistance
- Municipal innovative business incubator
- Regional innovative business incubator
- Municipal manufacturing business incubator

Sites of technological and innovative development
- Technoparks
- Industrial parks
- Technopark «Nauka» ("Science")
- Industrial park of Zheleznogorsk
- Technopark of Krasnoyarsk
- Industrial park of Krasnoyarsk (Krasmash, Biryusa)

Centers of permanent support
- Consulting
- Micro-financing, guarantees
- Documentation support
- Cluster development
- Regional agency of SME support
- Municipal Center of SME assistance
- Municipal center of cluster development
Trends of residential houses commissioning in the Krasnoyarsk Agglomeration

Housing situation in the Krasnoyarsk Agglomeration

To reach the level of quality housing for population up to 28 sq.m. per person

+24%
Number of hospital beds in territories of the Krasnoyarsk Agglomeration

Number of physicians per 10,000 residents

Investment projects in the field of health protection and sports, which are implemented at the territory of the Krasnoyarsk Agglomeration

<table>
<thead>
<tr>
<th>№</th>
<th>Name of project</th>
<th>Period of implementation</th>
<th>Investments, mln. rub.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Reconstruction and expansion of the Krasnoyarsk regional oncologic dispensary in Krasnoyarsk</td>
<td>2005-2012</td>
<td>2250,00</td>
</tr>
<tr>
<td>2</td>
<td>Construction of the ice stadium in Krasnoyarsk with a capacity of 2500-3000 spectators</td>
<td>2006-2011</td>
<td>3041,20</td>
</tr>
<tr>
<td>3</td>
<td>Re-equipment of the Municipal Enterprise «Left-bank School Food Combine №38»</td>
<td>2011-2014</td>
<td>539,81</td>
</tr>
<tr>
<td>3</td>
<td>Park of Health in the center of megapolis</td>
<td>2007-2020</td>
<td>180,22</td>
</tr>
<tr>
<td>4</td>
<td>Sports and health</td>
<td>2011-2015</td>
<td>25,00</td>
</tr>
<tr>
<td>5</td>
<td>Healthy nutrition</td>
<td></td>
<td>3,00</td>
</tr>
<tr>
<td>6</td>
<td>The Krasnoyarsk biomedical cluster: new technologies of the translational medicine</td>
<td>2010-2020</td>
<td>600,00</td>
</tr>
<tr>
<td>7</td>
<td>Physical and sports center with pool and gym in Sosnovoborsk</td>
<td>2008-2014</td>
<td>245,54</td>
</tr>
</tbody>
</table>
Volumetric-spatial solution of the Siberian Federal University area

Number and composition of students of the state universities of the KA, 2009, ppl.
Universiade as a factor of the Agglomeration development

- 7 sports venues:
  - 4 ice stadiums
  - Complex of ski jumps
  - Ski stadium
  - Academy of biathlon

- Modernization of transport infrastructure
- Construction of unique student’s village
- Construction of hotels
- About 40 bln rub of investments

Universiade Krasnoyarsk 2019 RUSSIA FISU
Targets of development. Infrastructure

- Electric power, thous. TWh:
  - 2011: 37
  - 2020: 80

- Road density, km per thous. sq. kms of area:
  - 2011: 100
  - 2020: 165

- Cargo traffic, mln tons:
  - 2011: 117
  - 2020: 345

- Passenger traffic, mln passengers:
  - 2011: 200
  - 2020: 335

- Housing, sq. m per capita:
  - 2011: 20
  - 2020: 28
Thank you for your attention!