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**CROSS-BORDER INFRASTRUCTURE
DEVELOPMENT**

The 20th Northeast Asia Economic Forum,

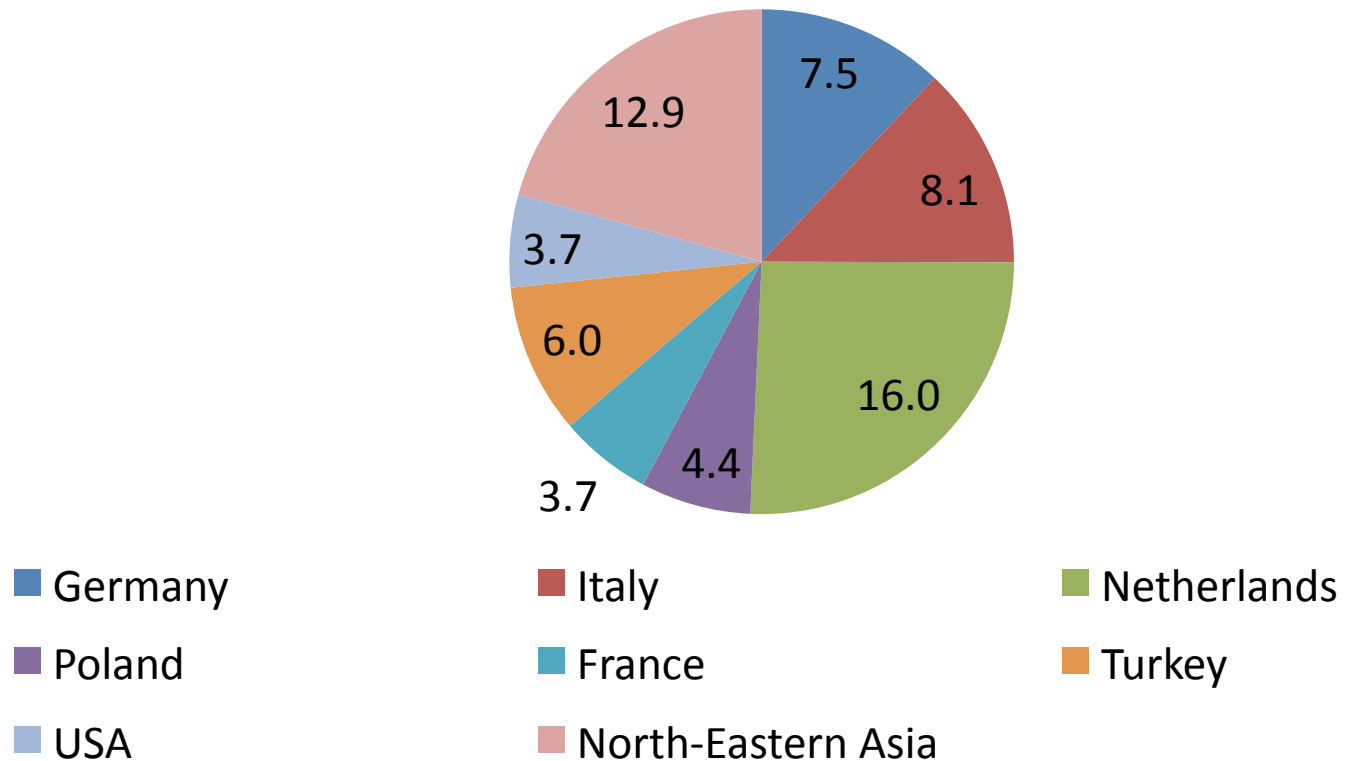
Honolulu, USA

August 7-9, 2011

APEC – 2012

- **The next APEC summit will be held in 2012, in Vladivostok. The main objective of Russia in this summit is demonstration of its real status of the "Pacific economic powers."**
- **This status implies the demonstration of an important role of Russia in three major segments:**
 - **Mutual trade**
 - **Exchange of capitals, technologies and people**
 - **Infrastructure**

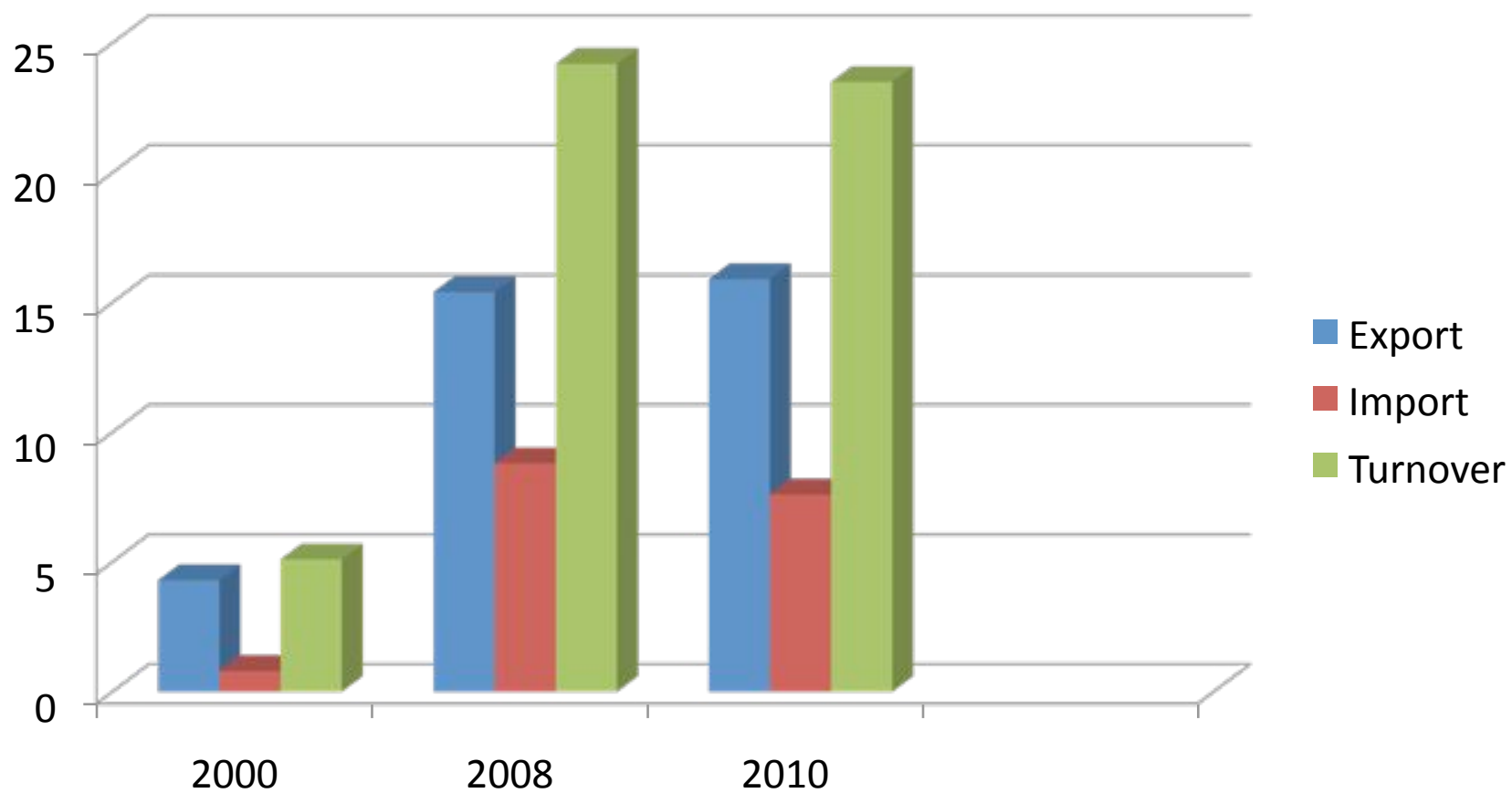
Russia's exports in 2010,%



Total exports - U.S. \$ 336.9 billion.

China - 6%, Japan - 3.8%, South Korea - 3.1%

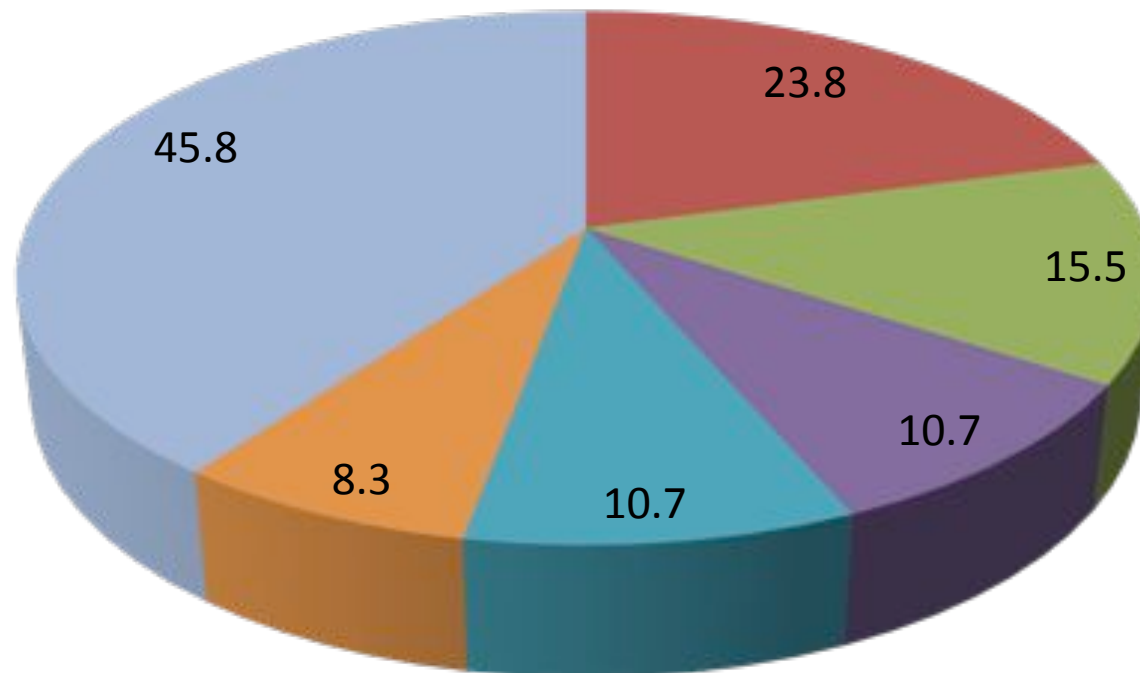
Russian Far East Foreign Trade, \$bln.



Russian Far East Foreign Trade Directions



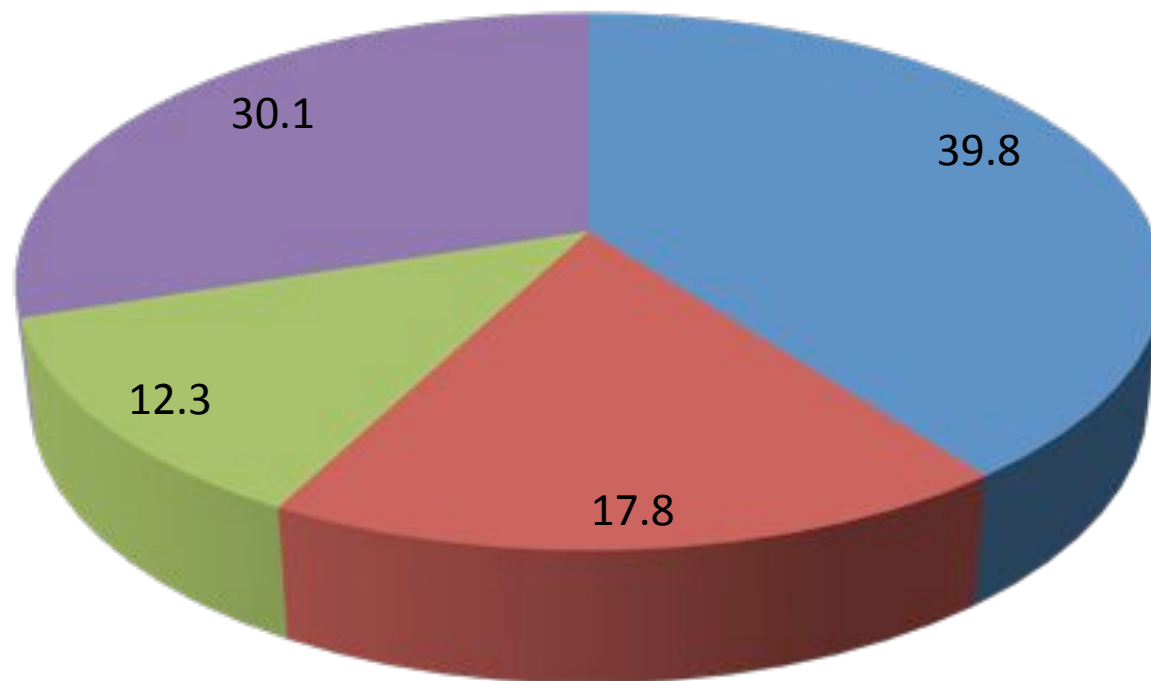
Foreign Investments to Russia, \$bln.



■ Netherland ■ Luxemburg ■ China ■ Germany ■ Great Britain ■ Others

Direct Investments – 13.8\$bln., Portfolio-1.1 \$bln., Loans and Others – 99.8 \$bln.

Russian Far East Foreign Investments, %



■ Netherland ■ Luxemburg ■ NEA ■ Others

Investments totally – 7.3 \$ bln.; Japan – 11.1 %, China – 0.63%, ROK – 0.58 %

Infrastructure - Strategy 2025 - Transportation

- **Development of the Trans-Siberian Railway (Amur bridge and reconstruction of the tunnel under Amur River in Khabarovsk, the reconstruction of tunnels, bridges over Zeya and Bureya Rivers, strengthening stations Taishet, Irkutsk and Skovordino, development of Hassan and Grodekovo stations, construction of border checkpoints Nizhneleninskoye - Tongjiang and Blagoveshchensk – Heihe)**
- **Development of the BAM with bringing the capacity of sea ports in the direction of Vanino and Sovetskaya Gavan to 80 - 100 million tons by 2025.**
- **Reconstruction of the Sakhalin railway to transfer it to the track 1520 mm.**
- **Completion of the line Berkakit - Tommot - Yakutsk with the bridge over the Lena River.**
- **Construction of the line Yakutsk (Nizhny Bestyakh) - Moma - Magadan.**
- **Construction of the North-Siberian Railway (Nizhnevartovsk - Ust-Ilimsk - Ust-Kut)**
- **Roads - "Amur" (Chita - Khabarovsk) with access to Vanino, "Ussuri" (Khabarovsk - Vladivostok), "East" (Khabarovsk -Nakhodka), 824 km, "Baikal" (Bratsk - Ust-Kut - Mirny) ; Ulan-Ude - Kyakhta - the border with Mongolia, "Lena" (Nerchinsk - Yakutsk), "Kolyma" (Yakutsk - Magadan).**
- **Development of the Northern Sea Route.**

Planned activities for the development of transport infrastructure and network management of power systems in the region

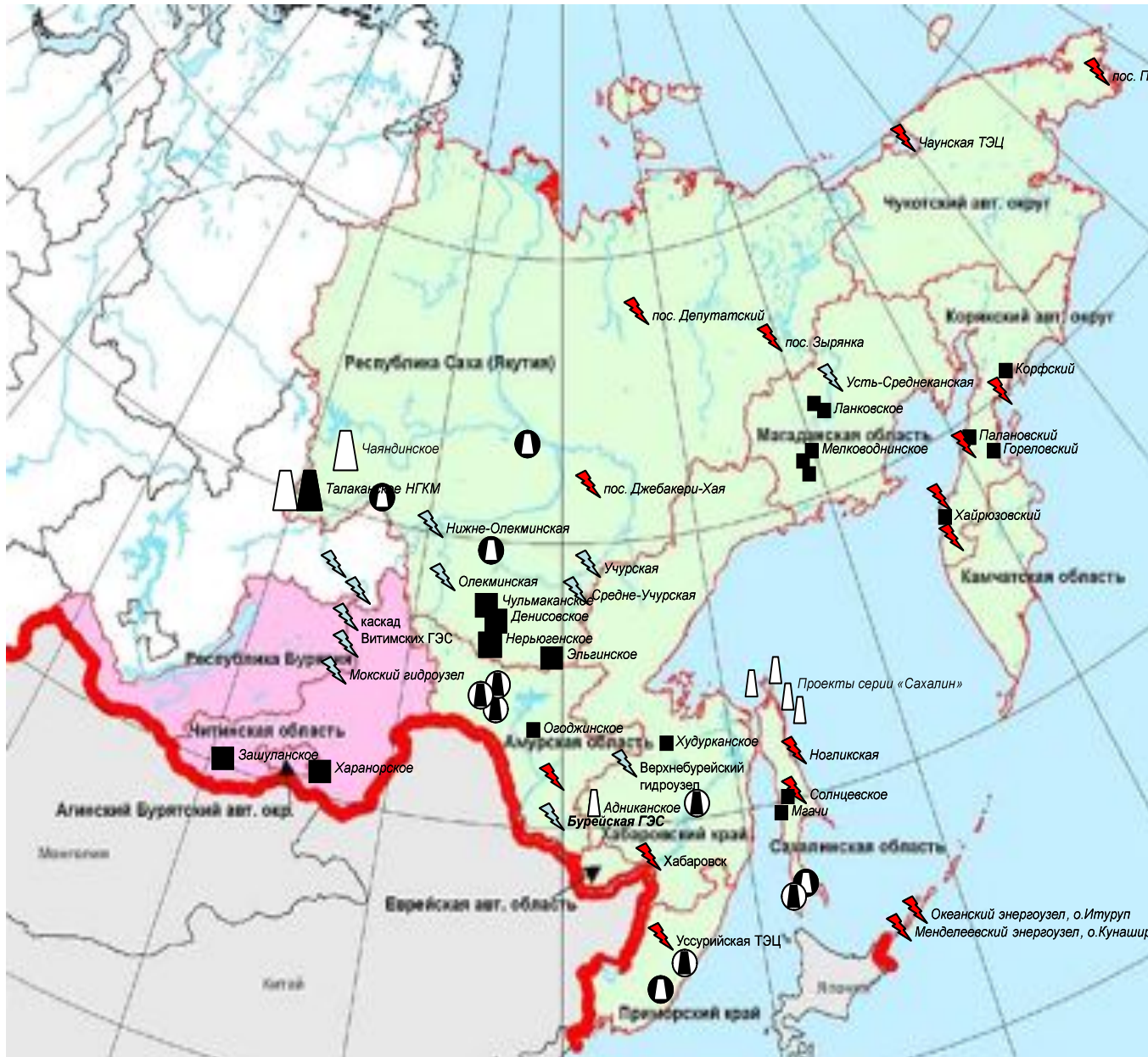


-● less than 500 kV
-● 500 kV and above
- railwav
- roads, including winter roads
- ■ ■ ■ Pipeline "Eastern Siberia - Pacific Ocean"
- ✈ Airports, airfields (construction, development, reconstruction)
- Oil pipelines
- Gas pipelines
- ⚓ Seaports

Infrastructure - Strategy 2025 - Energy

- **Construction of the new power plants (Sakhalin, Yakutia, Chukotka, Transbaikal, Magadan region, Amur region; Kamchatka, Buryatia, Khabarovsk Territory).**
- **Construction of high voltage transmission lines 500 kV AC and 750 kV DC.**
- **Construction of the Eastern Pipeline: access for Khabarovsk and Komsomolsk-on-Amur refineries, construction of the export port terminal in the bay of Kozmino , export pipeline Skovorodino - China.**
- **Creating of a unified system of gas production, transportation and supply system with the possibility of exporting gas to China and other countries of the Asia-Pacific region; gasification of settlements of the Far East and Baikal region.**

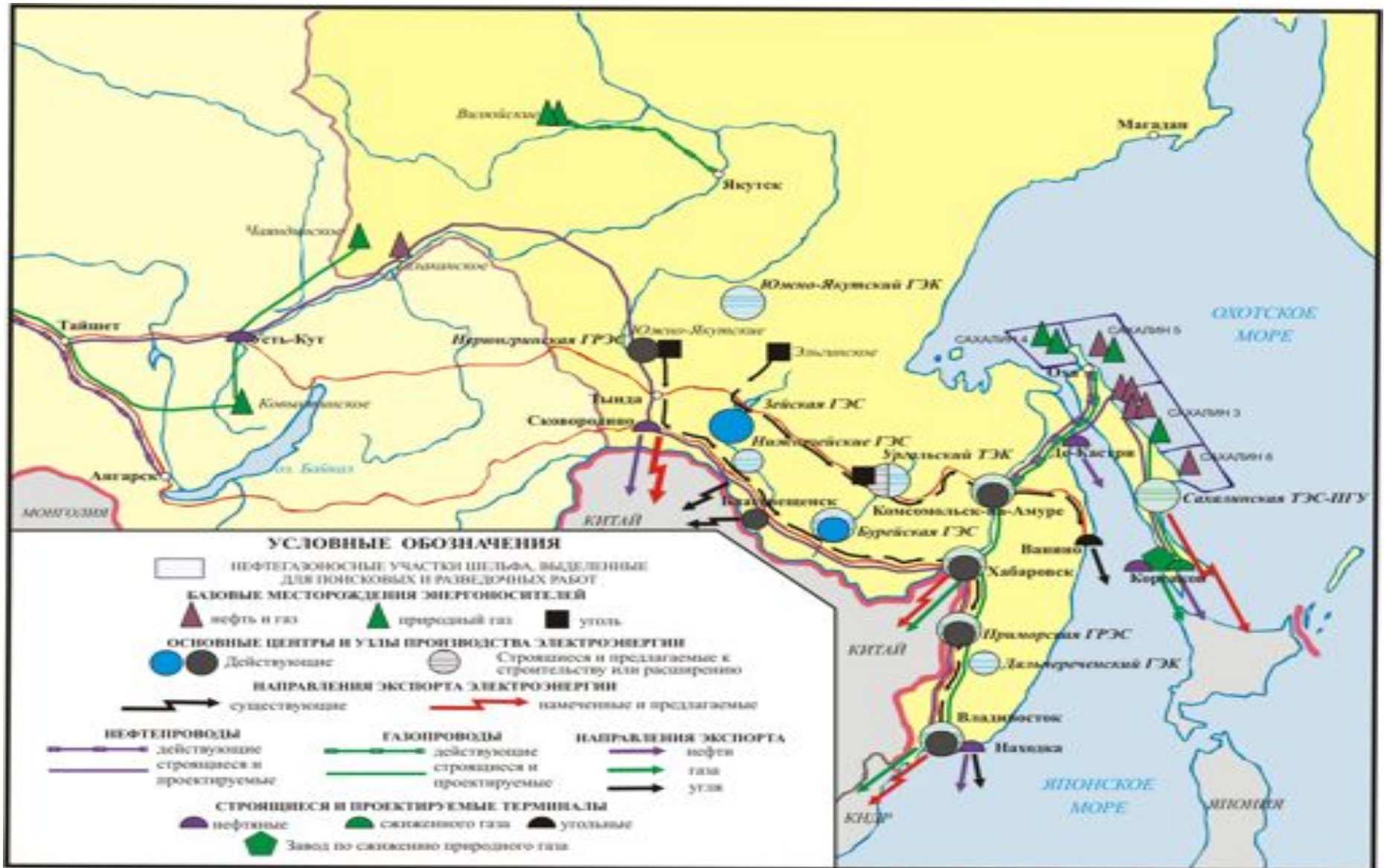
Planned activities for the development of energy sector



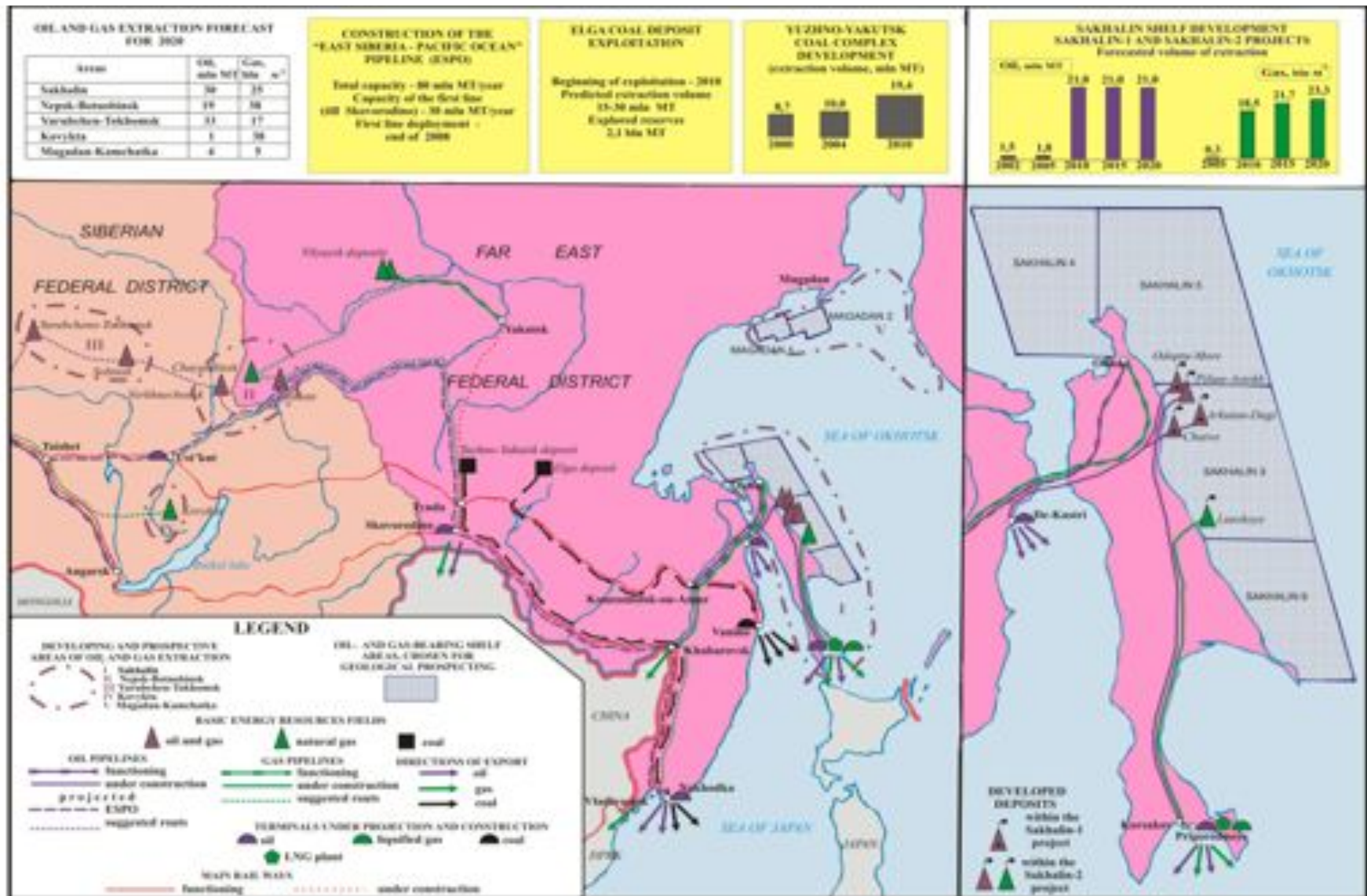
Обозначения:

- месторождения угля
- ▲ нефтяные месторождения
- ▴ газоконденсатные месторождения
- ⚡ тепловые электростанции
- ⚡ гидроэлектростанции
- ⦿ газоперерабатывающие заводы
- ⦿ нефтеперерабатывающие заводы

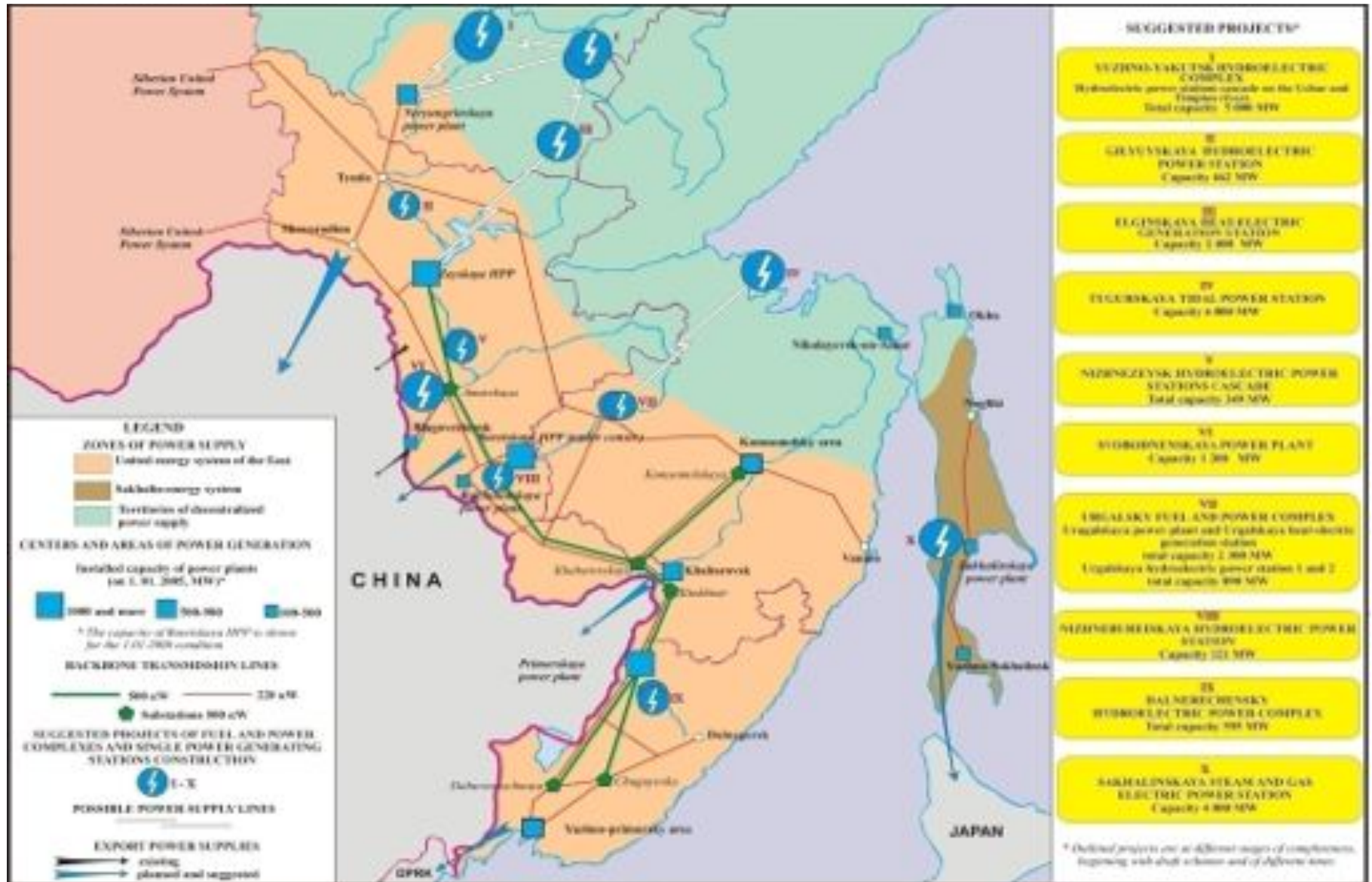
The main large-scale energy projects in the Far East



OIL, GAS AND COAL PROJECTS



ELECTRIC POWER PROJECTS



Infrastructure - Strategy 2025 - border cooperation

- **Development of existing rail crossing points Grodekovo, Zabaikalsk, construction of a railway bridge over the Amur River in the Nizhneleninskoye (EAD) - Tongjiang (PRC) area.**
- **Upgrading and construction of new airports for expansion of international air services.**
- **Alignment with international standards and harmonization of road checkpoints capacity on the Russian-Mongolian border.**
- **Creating a special economic zone of tourist-recreational type "Gate of Baikal", creation of a unified tourist corridor Baikal -Khövsgöl, development of the interregional tourist route "Eastern Ring of Russia".**
- **Creating the Baikal International Research and Educational Center "Baikal", based on research by scientists of Lake Baikal.**

Subprogram "Development of Vladivostok as a center for international cooperation in the Asia-Pacific region"

- **The amount of funding for 2008-2012 - 662876,32 million rubles**
- **Number of program objects - 63**

The main gas pipeline Sakhalin - Khabarovsk - Vladivostok

- Length - 357.7 miles.
- Currently, 292 miles of the pipe is welded in a thread, of which 243.5 miles were laid in the trench.



Highway "Novyj - Peninsula De Vries - Sedanka - Bay of Patroclus"

- Trestle bridge over the Amur Bay is being built (4368 meters long, with a four-lane traffic, altitude above sea level - 6 meters)
- The construction of the bridge is conducted on both sides, joining of technological units in 2011.



Construction and reconstruction of the airfield infrastructure of the airport, "Vladivostok" (Knevichi)

- The works on reconstruction of an airstrip with its elongation from 1.6 to 2.2 miles and a change of coverage are completed.**
- This makes it possible to take aircraft A-330 and Boeing-747.**
- A new international passenger terminal with capacity of 3.5 million passengers a year is being built. Opening is planned for late 2011.**

The bridge over the Eastern Bosphorus

- Currently fulfilled approximately 60% of the total amount of work (31 supports from 33 are ready).
- Completion of construction of the bridge is scheduled for late 2011



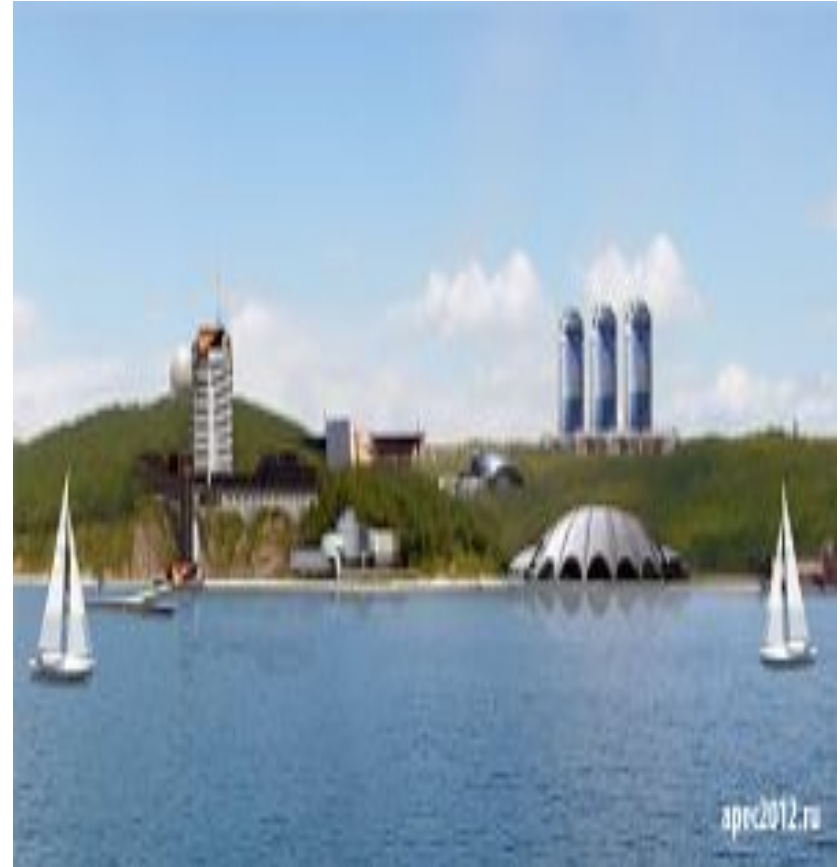
Bridge across Golden Horn Bay

- The length of the bridge is more than 1.2 miles, altitude above water surface - 64 meters.
- It is planned to complete construction of the bridge and put it into operation by the end of 2011.



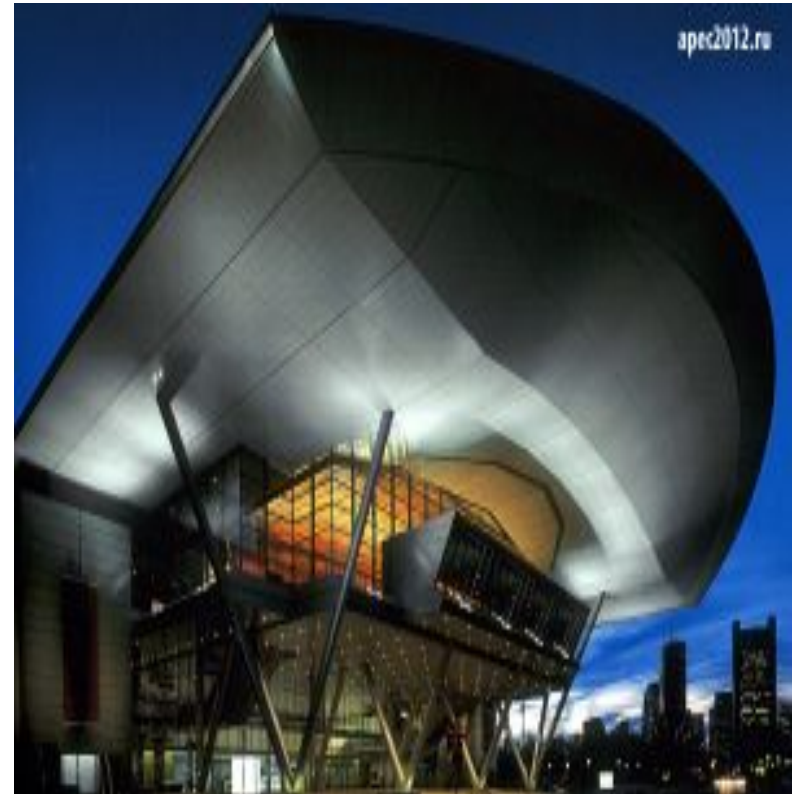
The hotel complex on Russky Island

- 11 hotel buildings are constructed, five of which are designed for living presidents and heads of government delegations of the participating countries of the APEC summit in 2012.
- Design work is underway to finish the presidential rooms, for the design of which will be used elements of the national colors.



Conference Center and Press Center

- Installation of metal structures, in which will take place the main activities of the APEC summit in 2012 is completed. Work is underway on glazing of buildings with stained glass and exterior designs of facades.



Opera and Ballet Theatre in Vladivostok

- When designing, the opera house in the South Korean city Koyan was selected as a sample. There will be large and small halls, with 1500 and 300 seats.
- Opera and Ballet is scheduled to be operational by September 2012.



**The program of
cooperation between the
regions of the Far East and Eastern
Siberia, Russia and
Northeast China in 2009-2018.**

Checkpoints, border infrastructure

- **25 objects provided by the Chinese side, Russia assumed the construction or reconstruction of 13 objects, mainly the expansion of border checkpoints and transportation networks to them.**
- **Some checkpoints will be the experimental areas, which will be used in national currencies of two countries.**

Cooperation in transport

- **Connection of Trans-Siberian and Chinese railways.**
- **Air traffic in the border regions, creating favorable conditions for cooperation between the Russian and Chinese airlines in bilateral air service.**

The concept of transport corridors in Northeast Asia



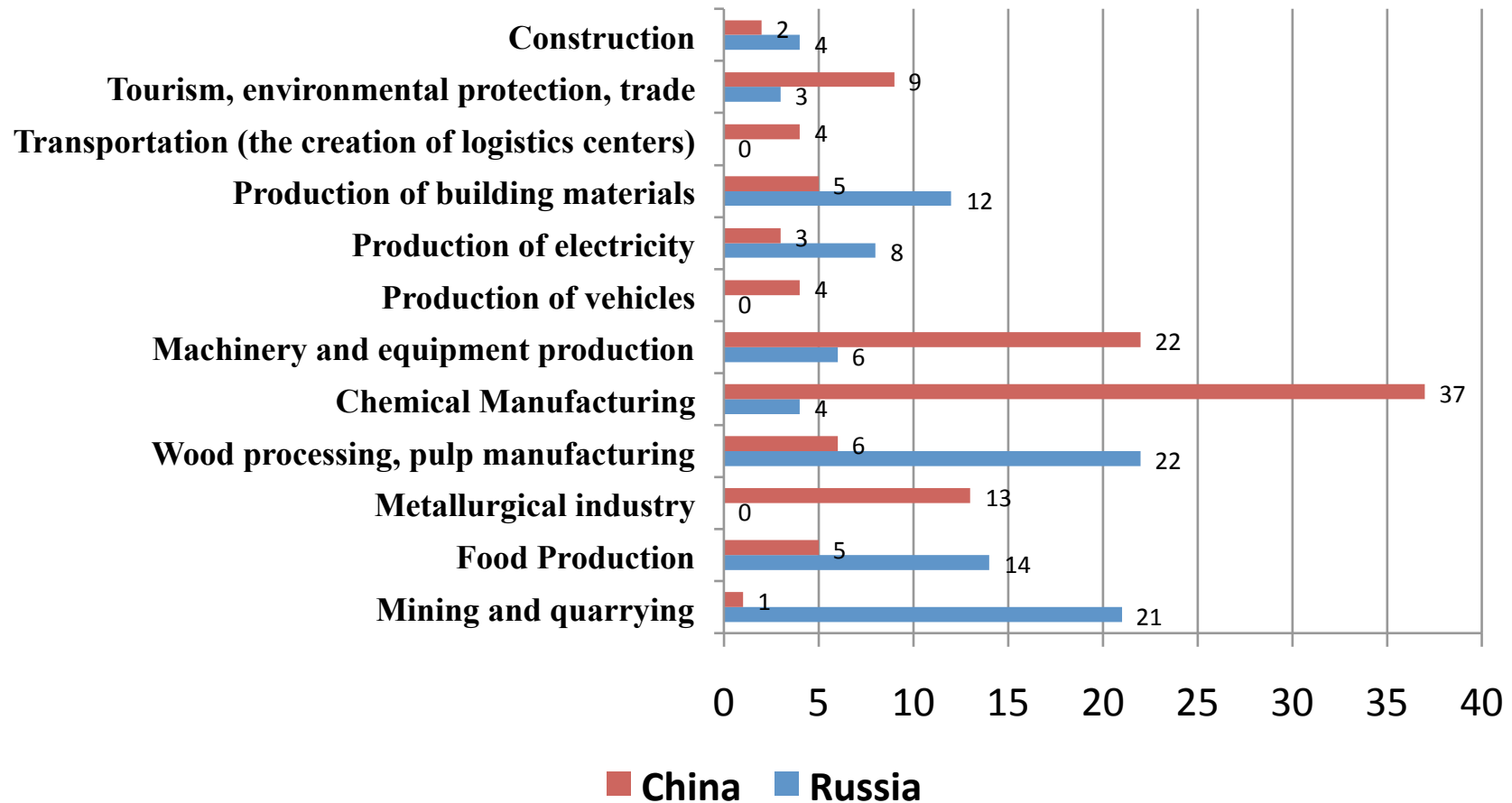
Zones of mutual cooperation

- **3 areas of scientific and technical cooperation in Russia (Vladivostok, Partizansk, Amur Oblast)**
- **5 areas of scientific and technological development in China (Harbin, Mudanjiang, Changchun, Liaoning Province)**
- **The joint area in the exploration and conservation of the Bolshoy Ussuriysky Island.**

Key projects

- **Total expected to be implemented 205 projects in the eastern regions of Russia and north-eastern provinces of the PRC (94 - on Russian territory, 111 - in China).**

The distribution of key projects in sectors of production



Проекты Российско-Китайского сотрудничества

