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The 2nd International Meeting of Amur–Okhotsk Consortium 2011
November 5–6, 2011



**Forest Development and Utilization
of the Russian Far East**

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Goals of this research

- ❖ **Analyze the issue of forest resources of the Russian Far East,**
- ❖ **Review policies on the development of forestry industry,**
- ❖ **Investigate the lumber trade around the region and the international cooperation.**

Forest Resources in the Russian Far East

| | 1993 | | | 2008 | | |
|-------------------------------------|----------------------------|-----------------|--|----------------------------|-----------------|--|
| | Forest area (10,000 ha) | Coverage (%) | Stockpile (million m ³) | Forest area (10,000 ha) | Coverage (%) | Stockpile (million m ³) |
| Far East | 24815 | 45.3 | 20450 | 29627 | 48 | 20947 |
| Sakha Republic | 13426 | 47.4 | 9229 | 15803 | 51.3 | 9161 |
| Primorsky Krai | 1123 | 75.4 | 1769 | 1267 | 76.9 | 1916 |
| Khabarovsk Krai | 4359 | 61.4 | 4994 | 5239 | 66.5 | 5210 |
| Amur Oblast | 2185 | 62.3 | 1954 | 2348 | 64.9 | 2050 |
| Kamchatka Krai | 889 | 56.6 | 1194 | 1972 | 42.5 | 1213 |
| Magadan Oblast | 1684 | 38.3 | 423 | 1756 | 38 | 481 |
| Sakhalin Oblast | 485 | 64.7 | 623 | 578 | 66.4 | 633 |
| Jewish Autonomous Oblast | 155 | 44.2 | 174 | 166 | 45.7 | 197 |

(Sources) *Regiony* (2002; 2009).

Log production by region in the Far East

unit 1000m³

| | 1990 | 1995 | 1999 | 2000 | 2005 | 2007 | 2008 | 2009 |
|---------------------------------|-------|-------|------|-------|-------|-------|-------|-------|
| Far East | 29598 | 10521 | 6138 | 10161 | 14478 | 16237 | 13116 | 11099 |
| Sakha Republic | 3401 | 868 | 213 | 518 | 567 | 631 | 434 | 392 |
| Primorsky Krai | 4789 | 1830 | 983 | 2218 | 4041 | 4738 | 3822 | 3210 |
| Khabarovsk Krai | 11593 | 4564 | 3632 | 5479 | 7928 | 8489 | 6883 | 5936 |
| Amur Oblast | 5571 | 1536 | 686 | 896 | 1168 | 1572 | 1509 | 1045 |
| Kamchatka Krai | 718 | 181 | 45 | 151 | 188 | 182 | 168 | 150 |
| Magadan Oblast | 244 | 6 | 6 | 1 | 8 | 15 | – | 14 |
| Sakhalin Oblast | 2926 | 1479 | 560 | 870 | 385 | 405 | 168 | 237 |
| Jewish Autonomous Oblast | 341 | 54 | 10 | 25 | 189 | 200 | 127 | 111 |

(Sources) *Regiony* (2002; 2010)

Forest area and timber volumes in the Amur Oblast by tree age stage (January 1, 2008)

| | Forest area (10,000 ha) | Ratio % | Timber stockpile (million m ³) | Ratio % |
|-----------------------|----------------------------|--------------|---|--------------|
| Total volume | 2066 | 100.0 | 1958 | 100.0 |
| Young | 414 | 20 | 110 | 5.6 |
| Middle-aged | 588 | 28.5 | 503 | 25.7 |
| Transitional stage | 266 | 12.9 | 328 | 16.8 |
| Mature/ postmature | 798 | 38.6 | 1017 | 51.9 |

(Source) Ministerstvo prirodnykh resursov Amurskoi oblasti (2008)

Forest area and timber volumes in the Khabarovsk Krai by tree age stage (January 1, 2008)

| | Forest area (10,000 ha) | Ratio % | Timber stockpile (million m ³) | Ratio % |
|--------------------|----------------------------|-------------|---|-------------|
| Total volume | 5127 | 100 | 5067 | 100 |
| Young | 845 | 16.5 | 227 | 4.5 |
| Middle-aged | 1600 | 31.2 | 1182 | 23.3 |
| Transitional stage | 460 | 9 | 557 | 11 |
| Mature/postmature | 2222 | 43.3 | 3101 | 61.2 |

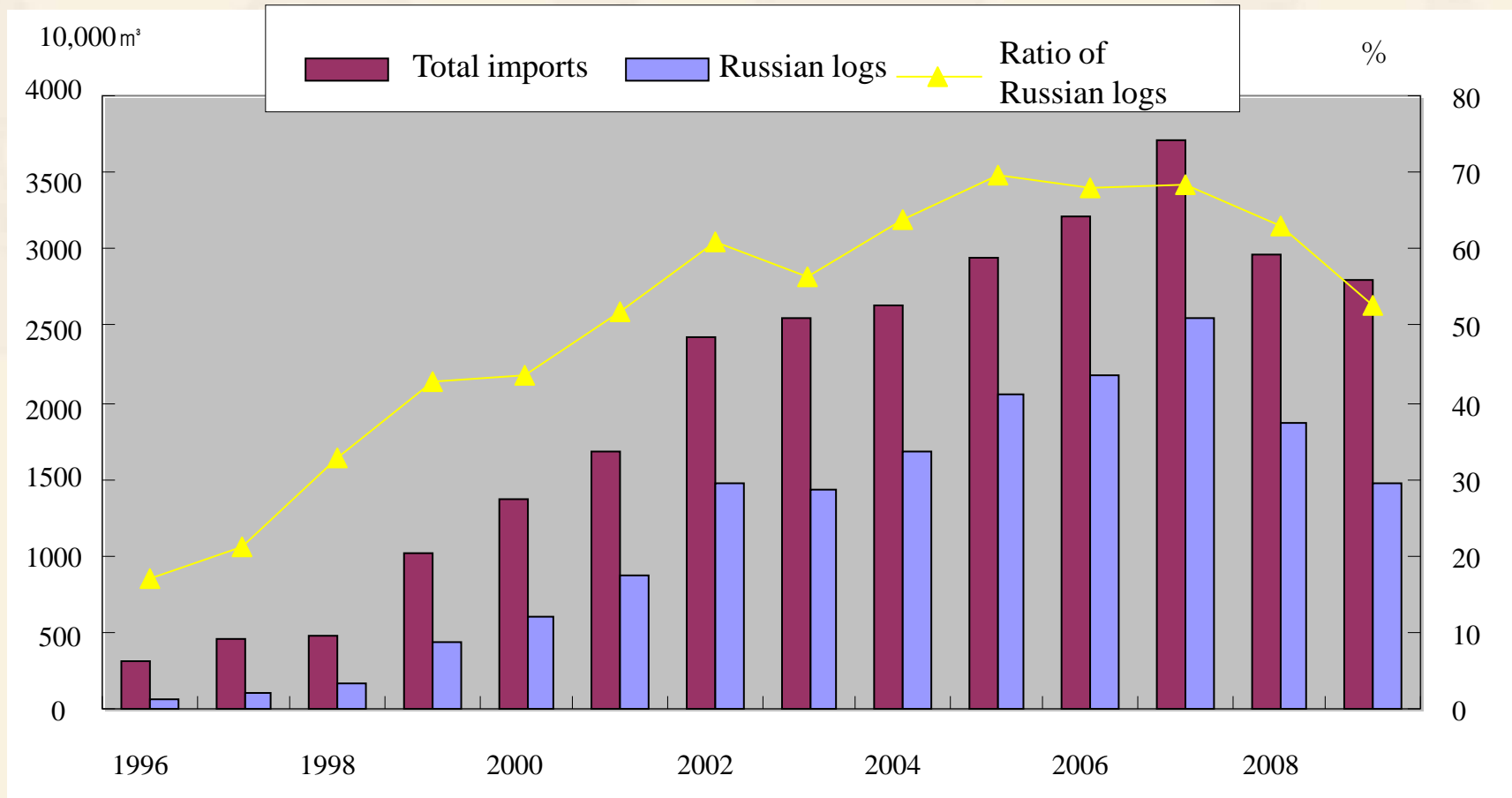
(Source) Obshchaia informatsiia (2010)

Forest area and timber volumes in the Primorsky Krai by tree age stage (January 1, 2010)

| | Forest area (10,000 ha) | Ratio % | Timber stockpile (million m ³) | Ratio % |
|--------------------|----------------------------|-------------|---|-------------|
| Total volume | 1148 | 100 | 1757 | 100 |
| Young | 61 | 5.3 | 25 | 1.4 |
| Middle-aged | 389 | 33.9 | 522 | 29.7 |
| Transitional stage | 210 | 18.3 | 343 | 19.5 |
| Mature/postmature | 488 | 42.5 | 867 | 49.3 |

(Source) Upravlenie lesnym khoziaistvom Primorskogo kraia (2010)

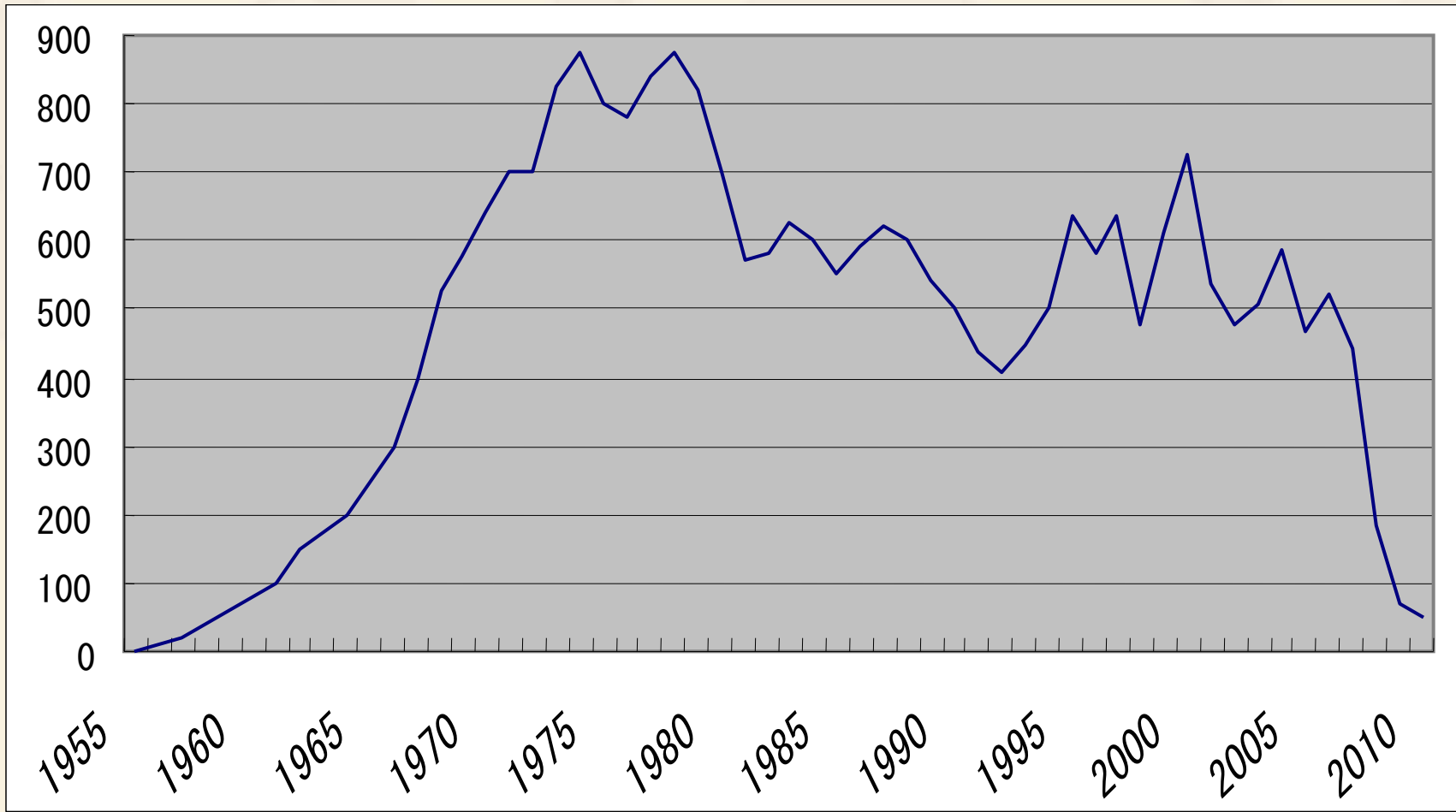
China's Imports of Logs from Russia



(Sources) China Customs Import and Export Statistics (various years)

Timber exports from Russia to Japan

10,000 m³



(Sources) Kakizawa and Yamane (2003), p. 154; FTS (various years)

Problems of the Forestry Industry in the Russian Far East

- (1) Lagging in manufacturing facilities and deterioration of processing abilities**
- (2) Lack of investment in the forestry industry**
- (3) Falling behind in upgrading transportation infrastructure**
- (4) Illegal logging and illegal exports**
- (5) Forest fires**
- (6) Adjustment of policies for timber exports**

Railways and Roads in the Far East of Russia

(unit: km/10,000 km²)

| | Railways | | | Roads | | |
|--------------------------|----------|------|------|-------|------|------|
| | 1990 | 2000 | 2009 | 1990 | 2000 | 2009 |
| Russia | 51 | 50 | 50 | 230 | 310 | 380 |
| Far East | 14 | 13 | 13 | 41 | 55 | 60 |
| Sakha Republic | 0, 5 | 0, 5 | 0, 5 | 11 | 24 | 26 |
| Primorsky Krai | 98 | 94 | 95 | 430 | 430 | 500 |
| Khabarovsk Krai | 32 | 29 | 27 | 47 | 57 | 71 |
| Amur Oblast | 82 | 83 | 81 | 160 | 190 | 230 |
| Kamchatka Krai | na | na | na | 26 | 28 | 36 |
| Magadan Oblast | na | na | na | 17 | 48 | 46 |
| Sakhalin Oblast | 123 | 110 | 92 | 210 | 95 | 130 |
| Jewish Autonomous Oblast | ... | 86 | 141 | 440 | 450 | 440 |

(Source) *Regiony* (2010)

Number of forest fires and affected areas in the southeast part of the Far East of Russia

(unit: number of fires/ ha)

| | Amur Oblast | | Khabarovsk Krai | | Primorsky Krai | |
|------|-------------|--------|-----------------|--------|----------------|-------|
| | No. | Area | No. | Area | No. | Area |
| 2000 | 597 | 192768 | 508 | 64458 | 151 | 838 |
| 2003 | 744 | 192816 | 1025 | 176753 | 699 | 35775 |
| 2004 | 201 | 3975 | 201 | 3975 | 295 | 11053 |
| 2005 | 641 | 226801 | 641 | 226801 | 137 | 10737 |
| 2006 | 465 | 65083 | 465 | 65083 | 222 | 11437 |
| 2007 | 585 | 167276 | 585 | 167276 | 166 | 4088 |
| 2008 | 574 | 218933 | 574 | 218933 | 360 | 48744 |
| 2009 | 336 | 417422 | 336 | 417422 | 598 | 97086 |

(Sources) *RES* (various years)

Adjustment of export tariffs on logs in Russia

| | Conifer | Broadleaf | Other temperate broadleaf |
|-----------------------|-----------|-----------|---------------------------|
| Since 01. 2007 | 6.5%、 4 € | 20% 24 € | 10%、 5 € |
| Since 07. 2007 | 20%、 10 € | 20% 24 € | 10%、 5 € |
| Since 04. 2008 | 25%、 15 € | 20% 24 € | 10%、 5 € |
| Since 01. 2009 | 80%、 50 € | 40% 50 € | 80%、 50 € |
| Prolonged for 3 years | | | |



The potential of forestry industry in the Russian Far East and the trend of its development

(1) Potential for forest resources in the Far East

(2) Attraction of Investment in the forestry industry

(3) Close cooperation with China





Thank you for your attention.