



САНКТ-ПЕТЕРБУРГСКИЙ  
НАУЧНО-ИССЛЕДОВАТЕЛЬСКИЙ  
ИНСТИТУТ ЛЕСНОГО  
ХОЗЯЙСТВА  
СПбНИИЛХ.РФ

**Development of "green economy" industries in the Russian Federation, including bioenergy, wooden house-building and other perspective directions**

Deputy Director SPB-NIILKh

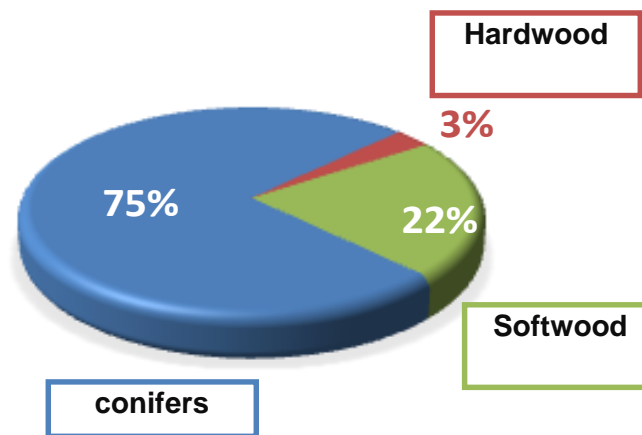
Stepchenko A.A.



# FOREST FUND. RESOURCES. CONDITION.



Supply of forest stands – 79,7 bln м<sup>3</sup>



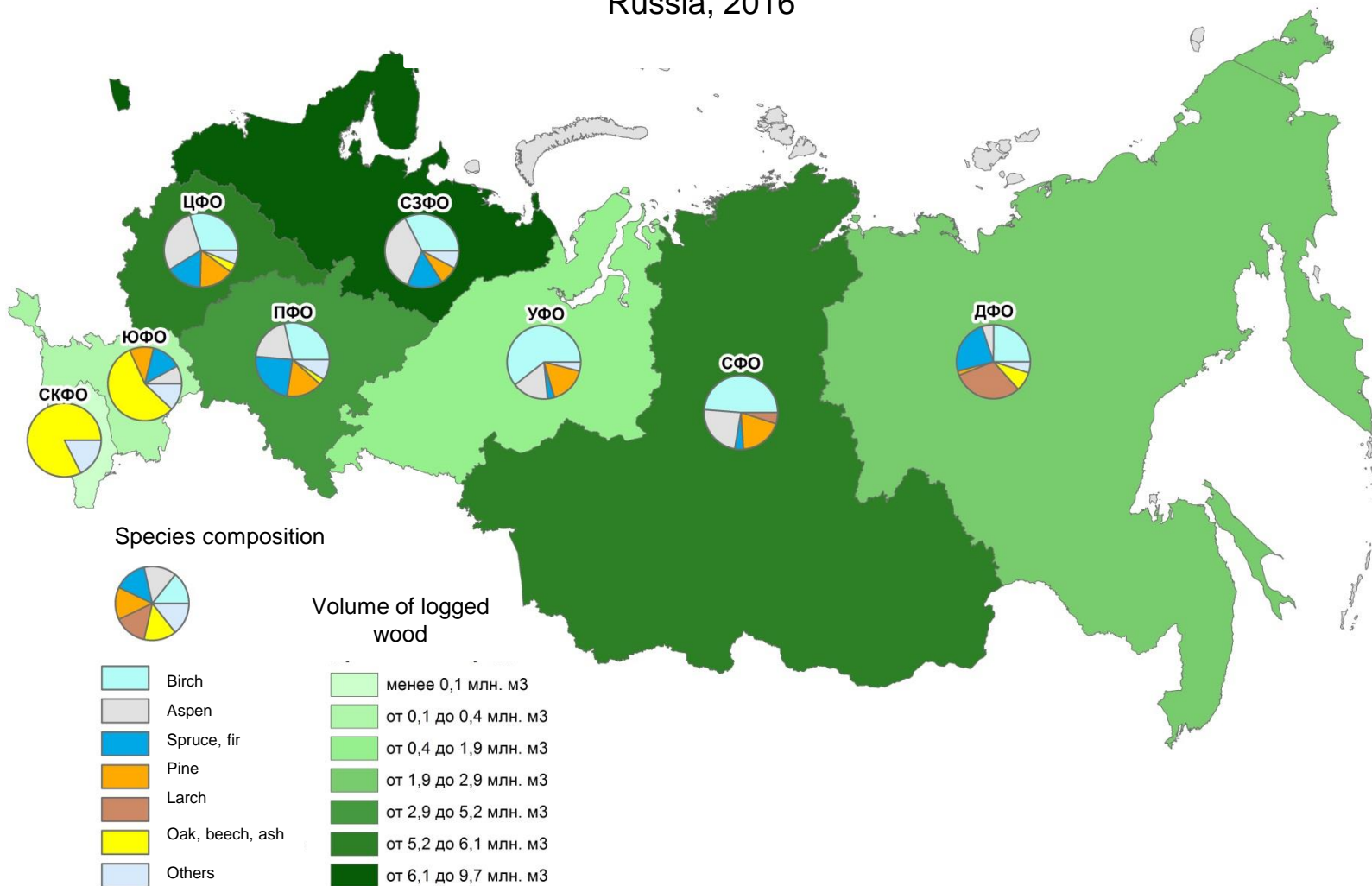
Supply of forest stands by main forest-forming species, mln м<sup>3</sup>

Species	Total	ЦФО	СЗФО	ЮФО	СКФО	ПФО	УФО	СФО	ДФО
Larch	22 703,8	1,7	28,9	0,0	0,0	11,1	508,3	9 998,3	12 155,5
Pine	15 589,4	955,2	2 921,6	13,8	27,1	1 228,0	2 863,1	6 423,3	1 157,4
Birch	12 693,2	1 294,4	2 139,6	1,2	19,9	1 550,3	2 023,0	4 791,9	873,1
Spruce	10 210,7	657,2	4 111,9	0,9	5,7	1 299,5	766,5	1 469,4	1 899,8
Aspen	3 754,3	458,7	533,8	5,5	4,3	539,9	407,5	1 677,9	126,8
Fir	2 387,4	0,0	15,6	18,3	11,0	26,9	64,5	1 905,9	345,2



# Tree species composition of harvested wood

Tree species composition of wood in Russia, 2016





# Firewood export from Russia, 2016, tons

	Firewood, lumbers,logs			Chips or particles			Granules			Pellets			Total		
	2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016	2014	2015	2016
<b>THE RUSSIAN FEDERATION</b>	<b>89 627</b>	<b>99 456</b>	<b>49 820</b>	<b>1 540 785</b>	<b>1 504 341</b>	<b>1 618 534</b>	<b>879 028</b>	<b>934 697</b>	<b>1 073 215</b>	<b>329 951</b>	<b>351 740</b>	<b>359 031</b>	<b>2 839 392</b>	<b>2 890 234</b>	<b>3 100 600</b>
Central Federal District	1 117	1 620	2 480	18 539	17 084	13 705	72 990	103 408	137 865	44 980	47 073	44 893	137 625	169 185	198 943
North-West Federal District	82 059	92 287	38 609	1 397 157	1 408 529	1 487 132	653 032	602 707	568 007	263 718	286 825	286 426	2 395 966	2 390 348	2 380 174
Southern Federal District	23	73	23	1	2	71	45	483	320	887	425	287	956	982	701
Northern Caucasus Federal District	0	0	23	0	5	1	0	0	0	0	0	0	0	5	24
Volga Federal District	142	59	539	0	36	16	11 490	7 708	24 790	19 917	13 185	10 669	31 550	20 989	36 014
Urals Federal District	0	40	30	5	3	1	920	5 799	6 191	39	15	47	965	5 857	6 270
Siberian Federal District	6 286	2 313	5 037	108	385	222	104 223	146 617	209 721	355	94	147	110 973	149 409	215 127
Far East Federal District	0	3 064	3 079	124 975	78 296	117 387	36 328	67 976	126 321	54	4 122	16 562	161 358	153 458	263 348



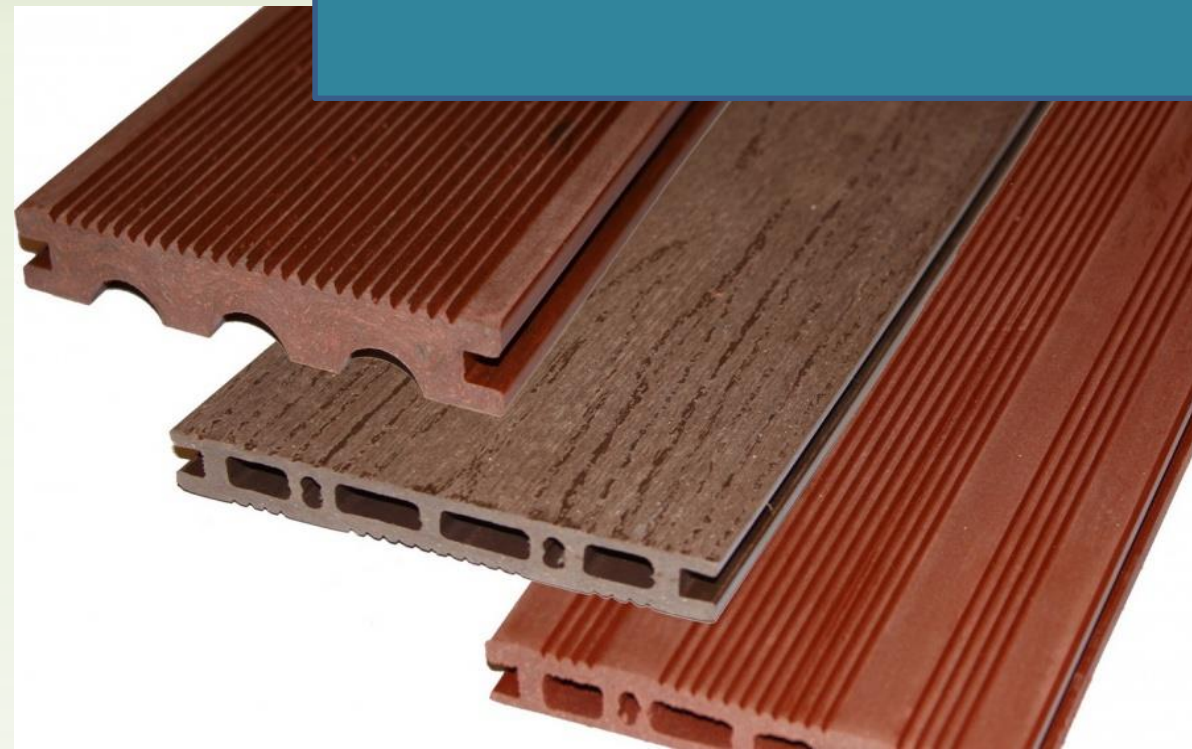
# Example of using of integral decking in house-building



# Examples of wood-plastic composites



First industrial WPC can be considered leaf plywood;  
plywood panels; blockboards;  
even and ply-curve details, including beam tubes;  
chipboards and fibreboards;  
high-density plywood;  
boards and details on thermoplastic binding, MDF;  
laminated veneer lumber (LVL);  
engineered wood products, wood molding materials;  
oriented strand boards (OSB), boards produced using thermosetting resin;  
fine wood composite materials on powder adhesive.



Thank you!



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