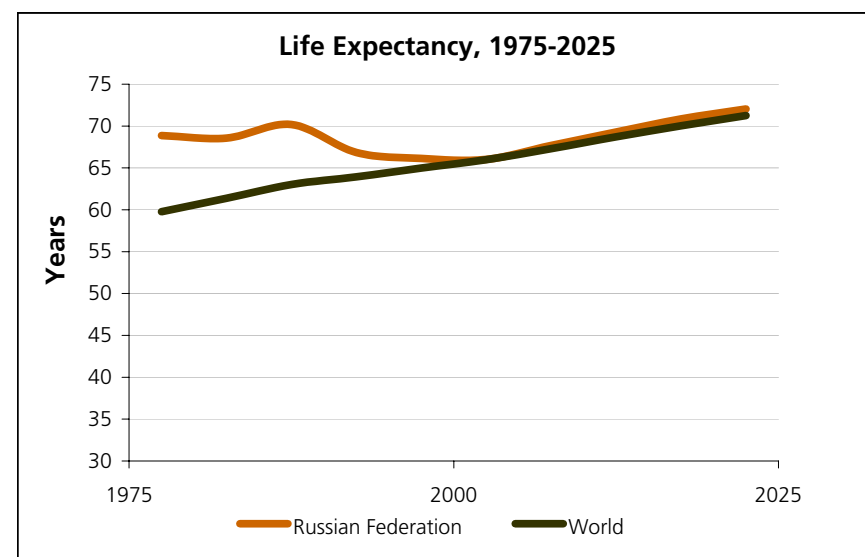
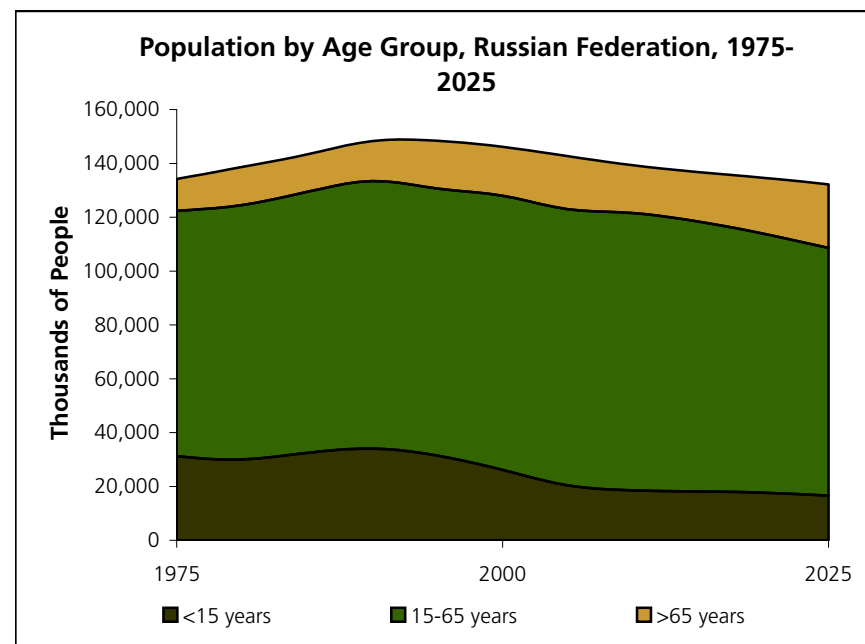


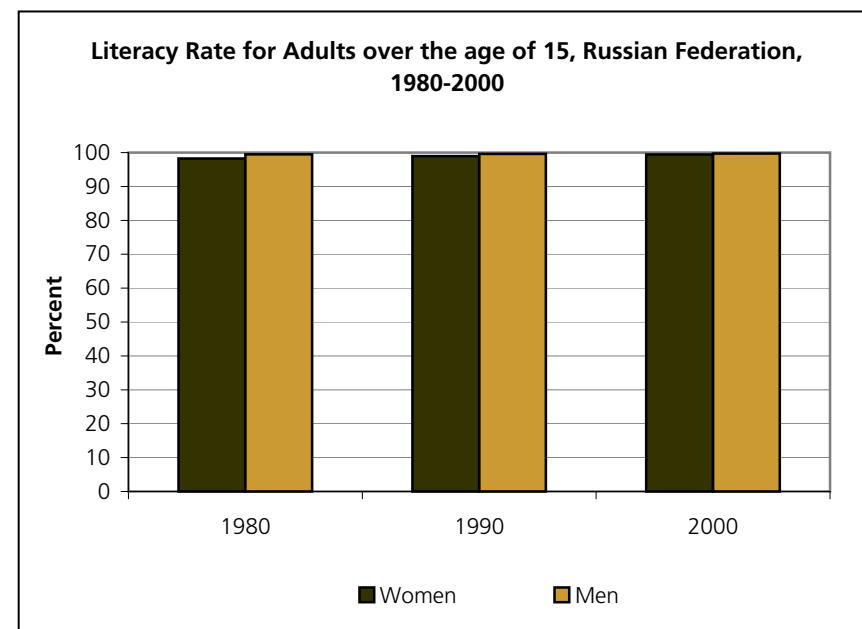
Demographic and Health Indicators	Russian Federation	Europe	World
Total Population (in thousands of people)			
1950	102,702	548,206	2,519,495
2002	143,752	725,124	6,211,082
2025 (projected)	125,687	683,532	7,936,741
Population Density (people per square km), 2000:	8.5	31.2	45.1
Average Annual Population Growth Rate, 1980-2000			
Total	0.3%	0.2%	1.6%
In rural areas	-1.2%	-0.7%	0.9%
In urban areas	0.8%	0.6%	2.4%
Percentage of Population:			
Under age 15, 2002	16%	17%	29%
Over age 65, 2002	13%	15%	7%
Living in Urban Areas, 2000	78%	75%	47%
Average Total Fertility Rate {a}			
1975-1980	1.9	2.0	3.9
2000-2005	1.1	1.3	2.7
Infant Mortality Rate {b}, 2000-2005	17	10	55
Under-Five Mortality Rate {b}, 2000	22	X	83
Life Expectancy at birth (years), 2000-05			
Female	72.5	78.2	68.1
Male	60.0	70.1	63.9
Births Attended by Trained Personnel, 1994-2000 {c}	99%	X	57%
Adults and Children Infected with HIV/AIDS, 2001 (number)	700,000	X	40,000,000
Percent of Adults Ages 15-49 infected with HIV or AIDS, 2001	0.9%	0.4%	1.2%
Number of Children Orphaned by AIDS since the beginning of epidemic, 2001	X	X	14,000,000
Safe Water and Sanitation {c}			
Access to Improved Sanitation, 2000			
Urban	X	X	85%
Rural	X	X	40%



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Population, Health, and Human Well-Being-- Russian Federation

	Russian Federation	Europe	World
Safe Water and Sanitation {c}			
Access to an Improved Water Source, 2000			
Urban	100%	X	95%
Rural	96%	X	71%
School Enrollment and Literacy {c}			
Net Primary School Enrollment, both sexes			
1980	X	X	X
1997-1999 {c}	100%	X	X
Net Secondary School Enrollment, 1997-1999 {c}			
Female	91%	X	X
Male	85%	X	X
Gross Tertiary School Enrollment, 1996-99 {c}	41%	X	X
Adult Literacy Rate, 2002			
Female	100%	99%	75%
Male	100%	99%	86%
Youth Literacy Rate (ages 15-24), both sexes			
1980	100%	100%	80%
2002	100%	100%	87%



Other Resources:

Country Profiles of the Food and Agriculture Organization of the United Nations, Economic Situation:

<http://www.fao.org/countryprofiles/index.asp?subj=3&iso3=RUS>

Footnotes:

- Total fertility rate is an estimate of the number of children an average woman would have if current age-specific fertility rates remain constant during her reproductive years.
- In deaths per 1,000 live births. Infant mortality rate refers to children under one year of age.
- Data are for the most recent year within the range specified.

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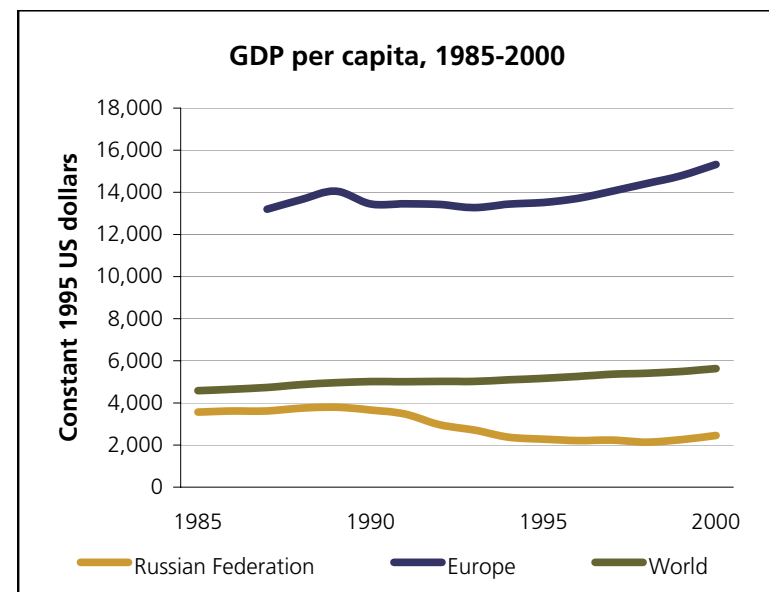
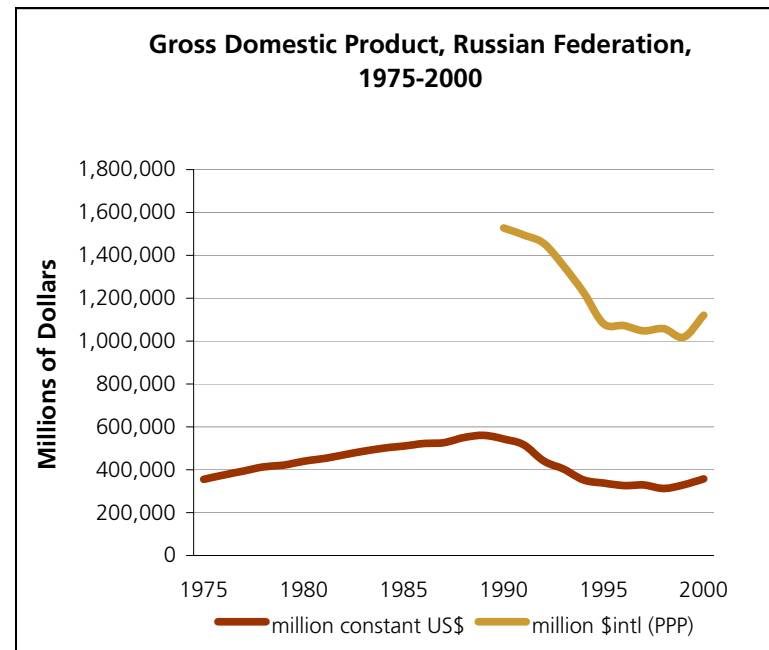
	Russian Federation	Europe	World
Gross Domestic Product, 2000			
GDP in million constant 1995 US dollars	357,322	11,139,956	34,109,900
GDP PPP (million current international dollars) {a}	1,219,358	11,770,626	44,913,910
Gross National Income (PPP, in million current international dollars), 2000 {a}	1,165,196	11,666,729	44,458,520
GDP per capita, 2000			
in 1995 US dollars	2,456	15,327	5,632
in current international dollars	8,381	16,525	7,416
Average annual growth in GDP, 1991-2000			
Total	-5%	2%	3%
Per capita	-4%	1%	1%
Percent of GDP earned by:			
Agriculture, 2000	7%	X	X
Industry, 2000	39%	X	X
Services, 2000	54%	X	X

International Trade

Trade in Goods and Services (million current \$US)			
Imports, 2000	62,466	X	X
Exports, 2000	115,540	X	X
Exports as a percent of GDP, 2000	46%	35%	X
Balance of Trade, 2000 (million current \$US)	52,910	83,636	X

Official Development Assistance (ODA) and Financial Flows

ODA in million US dollars, 1998-2000 {b}	1,529	X	59,073
ODA per capita in US dollars, 1998-2000 {b}	10	4	10
Current Account Balance (million \$US), 2000	41,846	X	X
Total external debt, million \$US, 1998-2000 {b}	170,790	X	X
Debt service as a % of export earnings, 1995-97 {b}	6.5%	X	X
Foreign Direct Investment, net inflows (million current \$US), 2000	2,714	642,535	X
International Tourism Receipts, 1995-1997 (million \$US)	5,952	X	X



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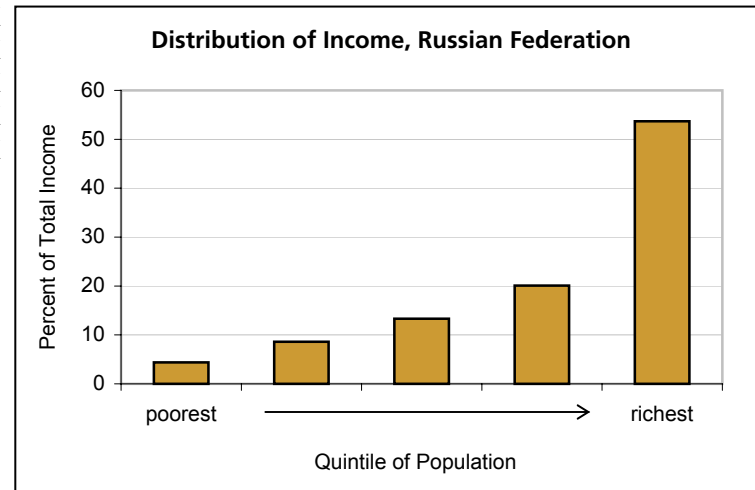
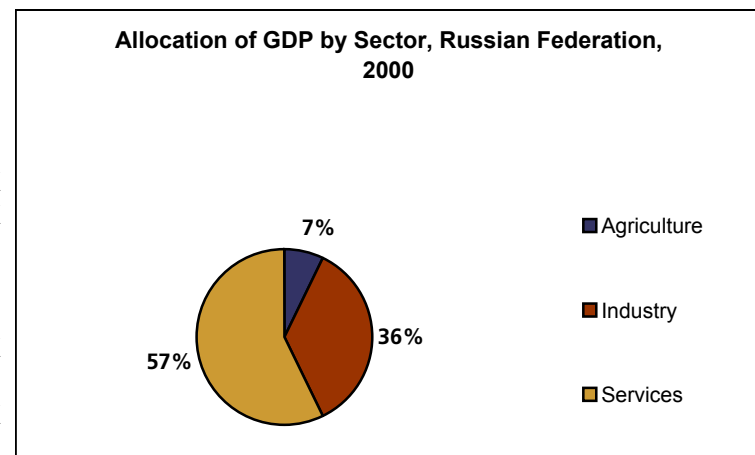
Economic Indicators -- Russian Federation

	Russian Federation	Europe	World
National Savings (as a percent of Gross National Income)			
Gross National Savings, 2000	35%	24%	23%
Net National Savings, 2000	25%	9%	X
Adjusted Net Savings, 2000	-13%	12%	X
Income Distribution (years vary)			
Gini coefficient (0=perfect equality; 100=perfect inequality)	49	X	X
Percent of total income earned by the richest 20% of the population:	53.7%	X	X
Percent of total income earned by the poorest 20% of the population:	4.4%	X	X
National Poverty Rate	30.9%	X	X
Poverty Rate, Urban Population	X	X	X
Percent of population living on less than \$1 a day	7.1%	X	X
Percent of population living on less than \$2 a day	25.1%	X	X

Other Resources:

Country Profiles of the Food and Agriculture Organization of the United Nations, Economic Situation:

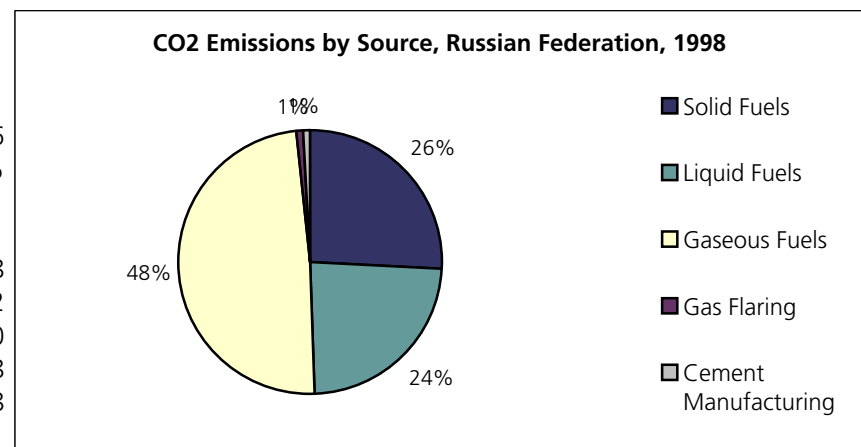
<http://www.fao.org/fi/fcp/en/RUS/profile.htm>



a. Data are in international dollars, adjusted for purchasing power parity (PPP). PPP rates provide a standard measure allowing comparison of real price levels between countries. b. Data are averaged for the range of years listed.

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	Russian Federation	Europe	World
Carbon Dioxide (CO₂) Emissions {a} (in thousand metric tons of CO₂)			
Total Emissions, 1998	1,434,584	5,828,746	24,215,376
Percent change since 1990	X	X	8%
Emissions as a percent of global CO ₂ production	5.9%	24.1%	
Emissions in 1998 from:			
solid fuels	368,771	1,856,615	8,654,368
liquid fuels	341,206	2,066,415	10,160,272
gaseous fuels	701,792	1,757,789	4,470,080
gas flaring	9,859	17,986	172,208
cement manufacturing	12,956	129,941	758,448
Per capita CO ₂ emissions, 1998 (thousand metric tons of CO ₂)	9.7	8.0	4.1
Percent change since 1990	X	X	-2%
CO ₂ emissions (in metric tons) per million dollars Gross Domestic Product {b}, 1998	4,567	X	773
Percent change since 1990	X	X	-10%
Cumulative CO ₂ emissions, 1900-1999 (in billion metric tons)	83,251	369,297	933,686

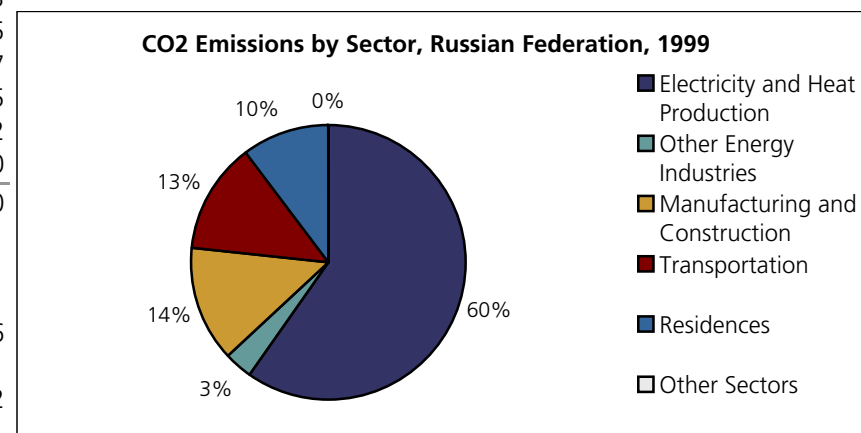


CO₂ Emissions by Sector, 1999 {c} (in million metric tons of CO₂)

	Russian Federation	Europe	World
Public electricity, heat production, and autoproducers	842	2,349	8,693
Other Energy Industries	47	249	1,205
Manufacturing Industries and Construction	192	1,010	4,337
Transportation	182	1,147	5,505
Residential	146	715	1,802
Other Sectors {d}	X	631	5,640
Total Emissions All Sectors:	X	6,101	27,180

CO₂ Intensity, 1999

	Russian Federation	Europe	World
Emissions per total energy consumption (metric tons CO ₂ per terajoule energy)	59	55	56
Emissions per Gross Domestic Product {e} (metric tons of CO ₂ /million \$PPP)	1,482	568	582



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Atmosphere and Climate-- Russian Federation

	Russian Federation	Europe	World
Non-CO2 Air Pollution, thousand metric tons			
Sulfur dioxide emissions, 1995	9,773	40,122	141,875
Nitrogen oxide emissions, 1995	5,148	21,991	99,271
Carbon monoxide emissions, 1995	18,967	95,924	852,415
Non-methane VOC emissions {f}, 1995	8,480	35,488	159,634

Multilateral Agreements Status as of September 2002

Data show the year each country ratified the agreement, unless labeled as "signed only".

Kyoto Protocol	1999 (signed only)
United Nations Framework Convention on Climate Change (UNFCCC)	1994
Vienna Convention	1986

Other Resources:

Sustainable Development Country Profile of the Food and Agriculture Organization of the United Nations:
<http://www.fao.org/countryprofiles/index.asp?subj=2&iso3=>

CO2 emissions: Relative Trends, Russian Federation, 1960-1998

Footnotes:

Some footnotes are not incorporated here. Please refer to the Data Tables section of EarthTrends for a full listing.

- a. Source: Carbon Dioxide Information Analysis Center (CDIAC).
- b. Constant US dollars.
- c. Source: International Energy Agency (IEA).
- d. Includes the commercial sector, agriculture, the public service sector, and international bunkers
- e. GDP is in 1995 international dollars, adjusted for Purchasing Power Parity.
- f. VOC: Volatile Organic Compounds.

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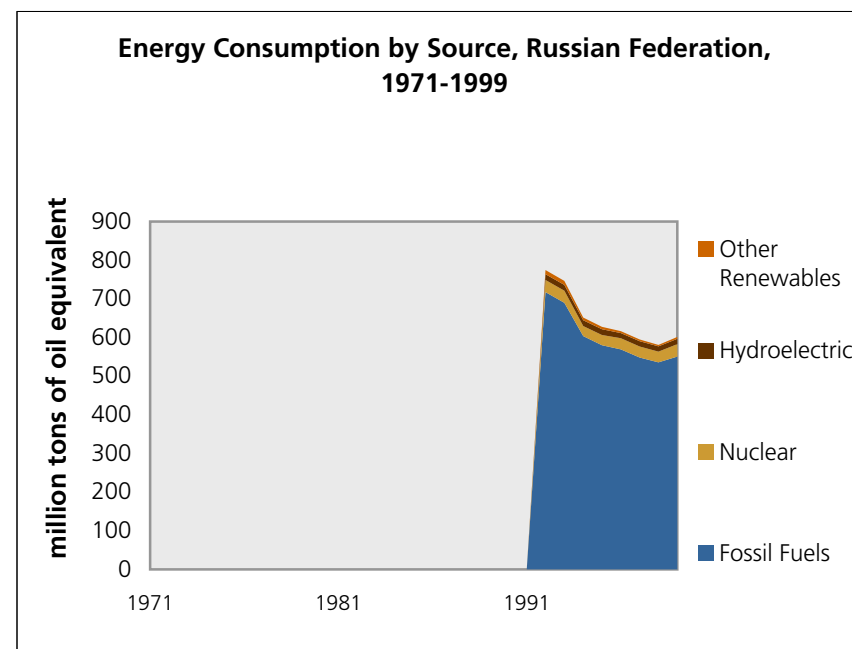
Energy Production and Consumption (in thousand metric tons of oil equivalent) {a}	Russian Federation	Europe	World
Total energy production, 2000	966,512	2,253,336	10,077,984
% change since 1980	X	152%	37%
Energy imports, 1997	20,163	1,341,347	9,521,506
Energy exports, 1997	353,530	961,926	3,419,104
Total energy consumption {b}, 1999	602,952	2,559,701	9,702,786
Electricity consumption, 1999	50,965	291,148	1,040,770
Energy consumption per capita, 1997	4.01	3.51	1.64
% change since 1990	-34%	-14%	0%
Energy consumption per GDP {c}, 1999:	601	243	244
% change since 1990	X	X	-13%

Energy Consumption by Source, 1999 (in thousand metric tons oil equivalent)

Total Fossil Fuels	550,704	2,117,484	7,689,047
Coal and coal products	109,082	480,313	2,278,524
Crude oil and natural gas liquids	175,116	906,066	3,563,084
Natural gas	314,473	786,787	2,012,559
Nuclear	32,120	303,885	661,901
Hydroelectric	13,802	60,847	222,223
Renewables, excluding hydroelectric:	4,996	64,845	1,097,889
Primary solid biomass (includes fuelwood)	4,972	56,374	1,035,139
Biogas and liquid biomass	0	1,919	14,931
Geothermal	24.1	4,886	43,802
Solar	0.0	390	2,217
Wind	0.2	1,227	1,748
Tide, wave, and ocean	0.0	50	53

Energy Consumption by Sector, 1999 (in thousand metric tons of oil equivalent)

Industry	138,240	569,813	2,140,474
Transportation	82,414	451,881	1,755,505
Agriculture	14,519	51,724	166,287
Commercial & public services	25,978	154,692	511,555
Residential	135,899	477,196	1,845,475
Non-energy uses and "other" consumption	13,319	76,515	333,981
Total final energy consumption {d}	410,369	1,781,820	6,753,276

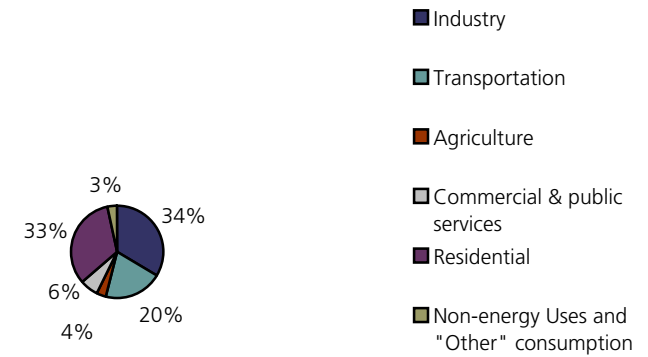


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Energy and Resources-- Russian Federation

	Russian Federation	Europe	World
Resource Consumption			
Passenger cars per 1000 people, 1998	X	X	109
Annual motor gasoline consumption, 2000 (liters per person)	203	290	179
Annual meat consumption, 1998 (kg per person)	45	72	38
Annual paper consumption, 2000 (kg per person)	23	133	53
Annual coffee consumption, 2001 (kg per person)	X	X	X

Energy Consumption by Sector, Russian Federation, 1999



Footnotes:

- One metric ton of oil equivalent (toe) is defined as 10 Exp. 7 kilocalories or 41.868 gigajoules, equal to the amount of energy contained in 1 metric ton of crude oil.
- In metric tons of oil equivalent per million constant 1995 international dollars.
TPES = Energy Production + Imports - Exports - Stock Changes - Consumption by International Marine Bunkers
- In metric tons of oil equivalent per million constant 1995 international dollars.
- "Total final consumption" is calculated as the sum of energy consumption by sectors.

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