

GERMANY - PULP AND PAPER INDUSTRY

	2005	2006	06:05
Population (in million)	82,4	82,3	-0
Gross Domestic Product (€ bn)			
nominal	2.241,0	2.302,7	+3
<b>Foreign trade (€ m)</b>			
Total exports	912.270	1.034.310	+13
Total imports	796.260	920.200	+16
Total export surplus (+) or deficit (-)	116.010	114.110	-2
<b>Turnover (€ m)</b>			
Total Industry	1.488.647	1.585.703	+7
Pulp and paper industry	12.966	14.000	+8
<b>Employment ('000s)</b>			
Total Industry	5.928	5.895	-1
Pulp and paper industry	45,9	45,5	-1
<b>Producer price index (2000=100)</b>			
Total Industry	110,7	116,8	
Pulp and paper industry	94,0	94,8	
Paper and board converting industry	103,4	105,2	
Printing and publishing	97,0	96,6	
Paper and Board	94,5	95,3	
Newsprint	96,9	103,4	
Other graphic paper	95,0	95,4	
Kraft paper	87,0	88,2	
Test liners	82,8	89,4	
<b>Production index (2000=100)</b>			
Total Industry	104,1	109,4	
Pulp and paper industry	113,4	116,2	

Facts on paper 2007

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('000 tons)	2005	2006	06:05
<b>Production</b>			
Mechanical Pulp (air dry 90:100)	1.468	1.468	+0
Chemical Pulp (air dry 90:100)	1.411	1.470	+4
<b>Exports</b>			
Mechanical pulp (air dry 90:100)	33	118	+
Chemical pulp (air dry 90:100)	791	842	+6
Recovered paper	3.413	3.354	-2
Paper and board	12.636	13.430	+6
Export share of production (%)	58	59	+2
<b>Imports</b>			
Mechanical pulp (air dry 90:100)	190	251	+32
Chemical pulp (air dry 90:100)	4.073	4.043	-1
Sulphite pulp	231	213	-8
Sulphate pulp	3.842	3.830	-0
Recovered paper	2.749	3.052	+11
Paper and board	10.666	11.633	+9
Import share of consumption (%)	54	56	+3
<b>Consumption</b>			
Mechanical pulp (air dry 90:100)	1.677	1.705	+2
Chemical pulp (air dry 90:100)	4.976	5.050	+1
Sulphite pulp	808	782	-3
Sulphate pulp	4.152	4.248	+2
Other Pulp	16	20	+25
Recovered paper	14.413	15.244	+6
Mineral fibers and additives	4.347	4.319	-1
Paper and board	19.709	20.858	+6
Paper and board per capita (kg)	239,1	253,3	+6
Recovered paper utilisation rate <sup>1)</sup>	66	67	+2
Recovered paper collection rate <sup>2)</sup>	77	75	-3

<sup>1)</sup> Recovered paper consumption in % of paper manufactured

<sup>2)</sup> Recovered paper collection in % of paper consumption

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in '000 t	2005	2006	06:05
<b>Total Graphic Paper</b>	<b>10.684</b>	<b>10.711</b>	<b>+0</b>
Newsprint	2.451	2.365	-4
Uncoated mechanical	1.729	1.861	+8
Uncoated woodfree	1.526	1.600	+5
Coated mech.	2.812	2.774	-1
Coated woodfree	2.166	2.111	-3
<b>Sanitary and household</b>	<b>1.188</b>	<b>1.251</b>	<b>+5</b>
<b>Packaging paper</b>	<b>8.367</b>	<b>9.131</b>	<b>+9</b>
Case Materials	5.471	6.029	+10
Folding boxboard	1.575	1.709	+9
Wrapping paper	222	247	+11
Other paper and board for packaging	1.099	1.146	+4
<b>Other paper and board</b>	<b>1.440</b>	<b>1.562</b>	<b>+8</b>
<b>Total paper and board</b>	<b>21.679</b>	<b>22.655</b>	<b>+5</b>

Recoverd paper utilisation rate <sup>1)</sup> compared to total paper production					
	2000	2003	2004	2005	2006
Total graphic paper	37	43	44	45	46
Total packaging paper and board	95	97	99	100	99
Sanitary & Household (parent reels)	74	76	61	60	57
Other paper and board	41	38	41	40	41
<b>Total paper and board</b>	<b>60</b>	<b>65</b>	<b>65</b>	<b>66</b>	<b>67</b>
Collection rate <sup>2)</sup>	72	72	74	77	75

<sup>1)</sup> Utilisation rate: percentage of recovered paper utilisation compared to the total paper production

<sup>2)</sup> Collection rate: percentage of apparent collection compared to the total paper consumption

INTERNATIONAL PAPER INDUSTRY		
Paper and board production		
(1.000 tons)	2004	2005
<b>EU 25</b>	<b>96.182</b>	<b>96.661</b>
Austria	4.852	4.950
Finland	14.035	12.391
France	10.256	10.331
Germany	20.391	21.679
Italy	9.668	9.998
Netherlands	3.459	3.471
Poland	2.533	2.802
Spain	5.526	5.697
Sweden	11.589	11.737
United Kingdom	6.240	6.033
Others EU	7.633	7.572
Canada	20.464	19.499
China	49.800	56.000
Japan	30.890	30.951
USA	83.409	82.628
Other countries	78.842	81.286
<b>World</b>	<b>359.587</b>	<b>367.025</b>

Paper and board production of major grades 2005			
(1.000 tons)	Graphic Paper	Packaging paper and board	Other paper and board
<b>EU 25</b>	<b>46.569</b>	<b>39.111</b>	<b>10.981</b>
Austria	2.926	1.793	231
Finland	8.825	2.540	1.026
France	4.620	4.566	1.145
Germany	10.539	8.497	2.643
Italy	3.470	4.659	1.869
Netherlands	1.352	1.994	125
Poland	827	1.388	587
Spain	1.719	2.922	1.056
Sweden	5.691	5.592	454
United Kingdom	2.655	2.222	1.156
Others EU	3.945	2.938	689
Canada	15.200	4.508	753
China	17.540	32.300	6.160
Japan	15.195	13.027	2.729
USA	27.207	48.700	6.721
Other countries	29.454	42.893	7.977
<b>World</b>	<b>151.165</b>	<b>180.539</b>	<b>35.321</b>

INTERNATIONAL PAPER INDUSTRY				
Mechanical and chemical pulp production				
	Mechanical pulp		Chemical pulp	
	2004	2005	2004	2005
<b>EU 25</b>	<b>12.138</b>	<b>11.745</b>	<b>27.060</b>	<b>26.443</b>
Austria	425	414	1.271	1.276
Finland	4.831	4.361	7.783	6.773
France	703	667	1.844	1.898
Germany	1.396	1.468	1.106	1.411
Portugal	0	0	1.949	1.932
Spain	0	0	1.969	1.946
Sweden	3.689	3.743	8.417	8.365
Others EU	1.094	1.092	2.721	2.842
Brazil	470	498	9.005	9.712
Canada	12.139	11.871	13.451	12.762
China	993	1.142	2.410	2.773
Japan	1.237	1.203	9.349	9.494
Russian Federation	1.311	1.337	5.350	5.462
USA	4.146	4.081	46.234	45.670
Other countries	4.831	4.956	17.569	17.839
<b>World</b>	<b>37.265</b>	<b>36.833</b>	<b>130.428</b>	<b>130.155</b>

External trade chemical pulp				
(1.000 tons/ 90:100)	Import		Export	
	2004	2005	2004	2005
<b>EU 25</b>	<b>15.566</b>	<b>16.341</b>	<b>9.335</b>	<b>9.342</b>
Austria	690	678	316	345
Finland	149	194	2.226	1.939
France	1.978	2.268	0	0
Germany	4.321	4.378	501	791
Italy	3.091	3.322	11	16
Portugal	107	75	933	973
Spain	751	787	942	912
Sweden	293	339	3.254	3.156
United Kingdom	1.200	1.172	0	0
Others EU	2.986	3.128	1.152	1.210
Brazil	307	310	4.888	5.440
Canada	200	194	9.553	9.220
China	7.320	7.590	0	0
Japan	2.036	1.864	179	174
Russian Federation	20	23	1.566	1.614
USA	4.998	4.854	5.298	5.113
Other countries	8.244	8.386	6.978	7.046
<b>World</b>	<b>38.691</b>	<b>39.562</b>	<b>37.797</b>	<b>37.949</b>

INTERNATIONAL PAPER INDUSTRY				
External trade paper and board				
(1.000 tons)	Imports		Exports	
	2004	2005	2004	2005
<b>EU 25</b>	<b>49.984</b>	<b>50.896</b>	<b>60.083</b>	<b>61.176</b>
Austria	1.412	1.305	4.176	4.250
Belgium/Luxembourg	3.258	3.487	1.653	1.542
Finland	395	445	12.730	11.139
France	6.567	6.315	5.732	5.814
Germany	10.498	10.666	11.541	12.636
Italy	5.047	4.987	3.250	3.447
Netherlands	3.201	3.022	3.220	3.023
Spain	3.126	3.779	1.459	2.088
Sweden	680	685	9.968	10.119
United Kingdom	7.733	7.647	1.295	1.164
Others EU	8.067	8.558	5.059	5.954
Canada	2.484	2.568	15.219	14.610
China	6.140	5.240	1.248	1.939
Japan	1.961	1.752	1.439	1.241
Russian Federation	991	1.164	2.873	3.003
USA	17.440	16.839	9.077	9.768
Other countries	32.453	33.646	19.883	20.432
<b>World</b>	<b>111.453</b>	<b>112.105</b>	<b>109.822</b>	<b>112.169</b>

Consumption of paper and board / consumption per capita				
	paper and board (1.000 t)		per capita ( kg)	
	Imports		Exports	
	2004	2005	2004	2005
<b>EU 25</b>	<b>86.083</b>	<b>86.381</b>	<b>189</b>	<b>188</b>
Austria	2.088	2.005	255	245
France	11.091	10.832	183	178
Germany	19.348	19.709	235	239
Italy	11.465	11.538	197	198
Netherlands	3.440	3.470	211	210
Poland	3.581	3.417	93	89
Spain	7.193	7.388	178	183
Sweden	2.301	2.303	256	255
United Kingdom	12.678	12.516	210	207
Others EU	12.898	13.203	157	160
Canada	7.729	7.457	236	225
China	54.392	59.301	42	45
Japan	31.412	31.462	247	247
Korea South	8.250	8.380	170	172
USA	91.772	89.699	310	301
Other countries	81.580	84.281	19	20
<b>World</b>	<b>361.218</b>	<b>366.961</b>	<b>56</b>	<b>56</b>

## If you have any questions about paper ...

... the German pulp and paper mills and their central organization, the German Pulp and Paper Association (VDP) in Bonn, will gladly answer them. VDP comprises 102 member companies with a total of 134 production plants. VDP represents the largest paper industry in Europe. Seven regional associations assist VDP in its duties.

Its main function is bundling and safeguarding the interests of member companies in the areas of: business and foreign trade, energy and the environment, raw and auxiliary materials, goods traffic, research, advice and support in energy-policy and freight tariff issues, publication of statistics and market reports, information events and seminars, sponsoring of research at universities and institutes, winning junior staff in cooperation with the Federation of the German Paper Industries Employers' Associations (VAP), standardization service, coordination and networking with the European industry association CEPI, Press and PR work.

To achieve this objective, VDP also participates in the Federation of German Industries (BDI).

At the international level, VDP is a member of the Confederation of the European Paper Industry (CEPI), the Brussels-based central organization of the pulp and paper associations throughout Europe. The chief emphasis of cooperation within CEPI lies on the compilation of statistics.

VDP also participates within the UN Food and Agriculture Organization (FAO) in the cooperation among the world's major producer and consumer associations for pulp, paper and co-operates as a member within the International Council of Forest and Paper Associations.

If you want to know more about paper and the paper industry, please contact:

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