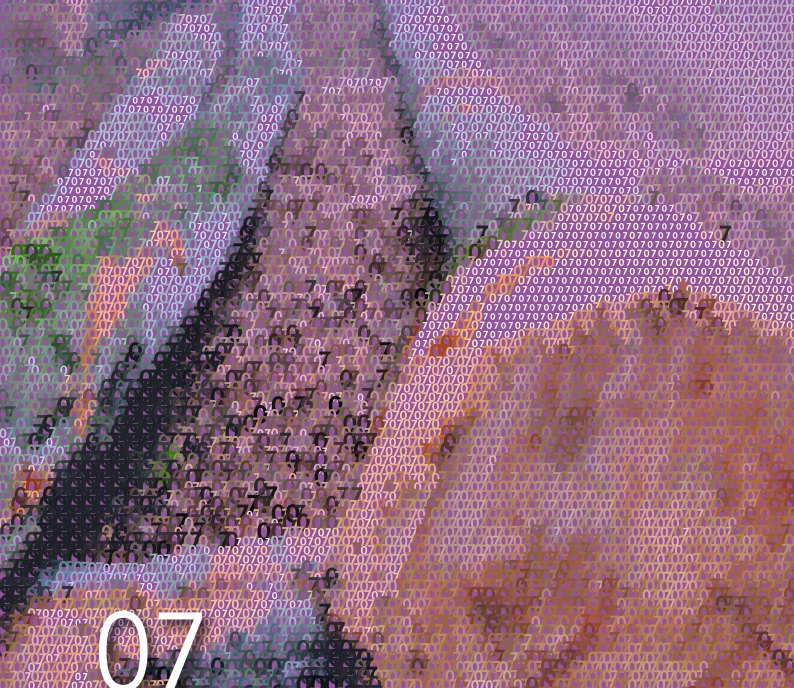




07

Agriculture and Forestry

832-1300

Forestry in Switzerland

Pocket Statistics 2013



Schweizerische Eidgenossenschaft
Confédération suisse
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Confederaziun svizra

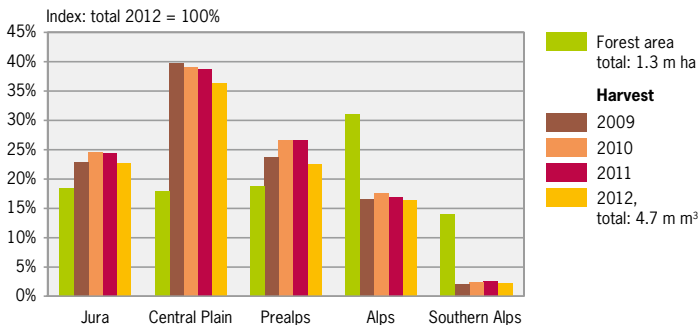
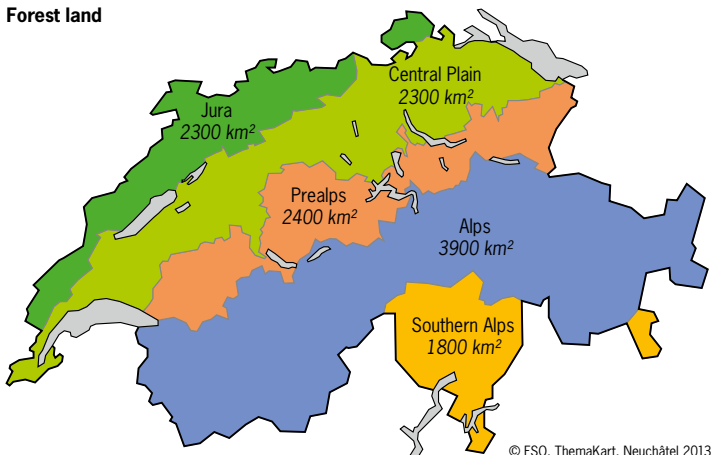
Federal Department of Home Affairs FDHA
Federal Statistical Office FSO

Neuchâtel, 2013

Swiss Confederation

1 Forest land and wood harvest by forest area, 2012

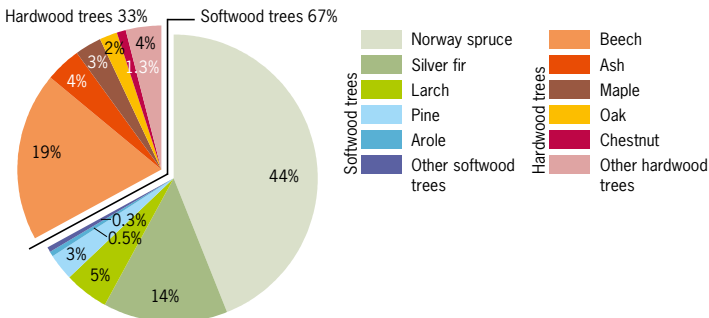
Forest land



Source: FSO, Swiss Forestry Statistics

In 2012, 4.7 million m³ of wood was harvested, 7% less than the average of the past four years. This decline was more noticeable in the Prealps.

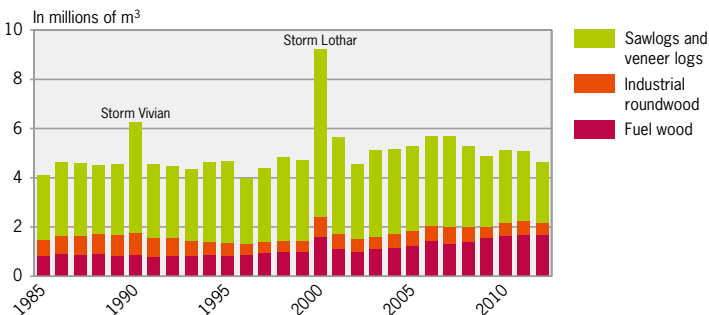
2 Wood stocks by types of trees



Source: WSL, 4th National Forestry Inventory, 2009–2011

The volume of standing timber is estimated at 422 million m³. The spruce is the most common variety found in Swiss forests (44% of standing timber). This represents roughly 184 million m³.

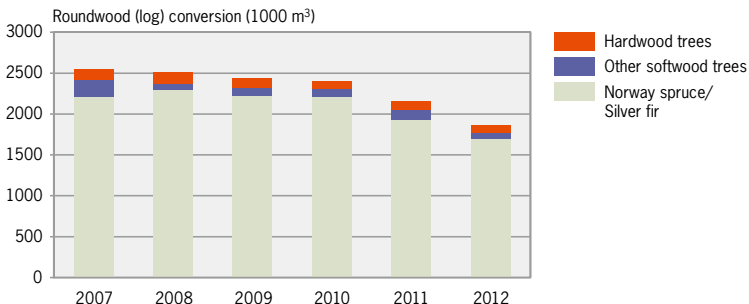
3 Wood harvest by use



Source: FSO, Swiss Forestry Statistics

The decline in the wood harvest reached 13% for sawlogs and veneer logs. Difficult market conditions and inclement weather were among the main causes for this decline.

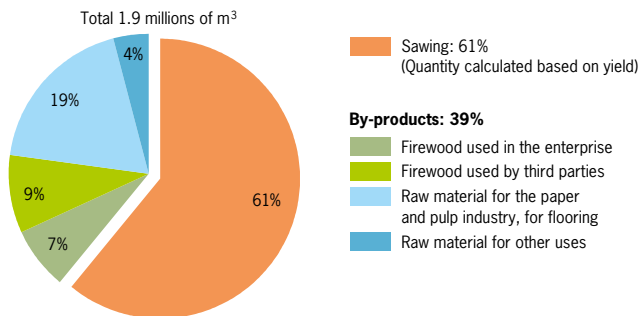
4 Roundwood (log) conversion in sawmills



Source: FSO, Survey on wood processing in sawmills

In 2012 the volume of roundwood sawn in sawmills was 1.9 million m³, i.e. 14% less than in 2011. Almost 95% of this wood was spruce or fir.

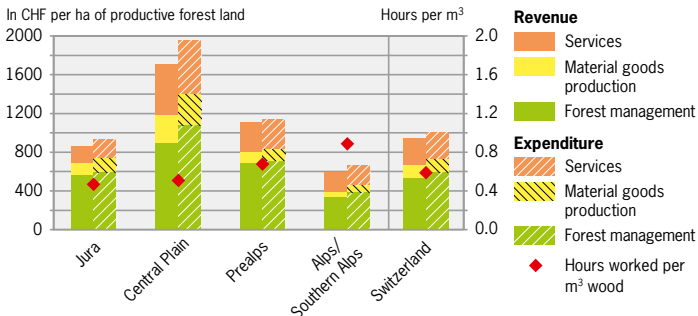
5 Wood processing in sawmills 2012



Source: FSO, Survey on wood processing in sawmills

In 2012, Swiss sawmills produced 1.1 million m³ of sawing. This volume was almost 10% less than in 2011, confirming the downward trend observed since 2008.

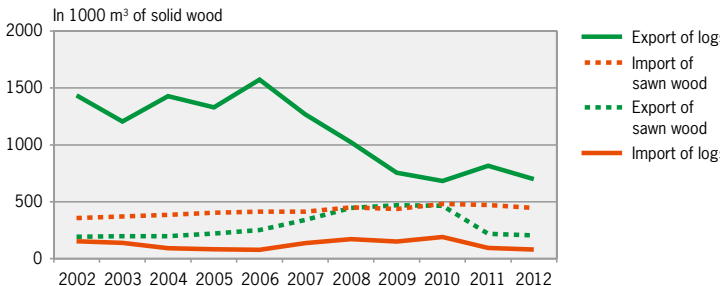
6 Forestry enterprises 2012: revenue, expenditure and work hours



Source: FSO, Network of Forest Enterprises

Overall, forestry enterprises showed negative results in all areas. The area of the central plain suffered from the greatest loss with CHF -226 per hectare.

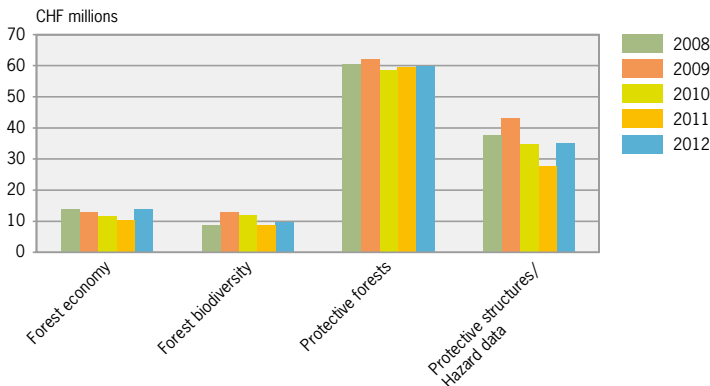
7 Foreign trade of roundwood and sawings, 2002–2012



Source: Swiss Customs Administration, Swiss foreign trade statistics; Federal Office for the Environment

Foreign trade of wood continued the downward trend observed. The strength of the Swiss franc compared with the euro curbed the export of logs and sawn wood in particular.

8 Public forestry expenditures



Source: Federal Office for the Environment (FOEN)

Subsidies allocated to the forestry sector totalled CHF 118 million in 2012, 12 million more than in 2011. Subsidies for protective structures and for hazard data amounted to CHF 35 million.

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General information

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Photo: © Chantal Guggenbühl, FSO

Forestry statistics 2012

Forestry statistics 2012																											
																											
	Switzerland	Zurich	Bern	Lucerne	Uri	Schwyz	Obwalden	Nidwalden	Glarus	Zug	Fribourg	Solothurn	Basel-Stadt	Basel-Land	Schaffhausen	Appenzell-A.Rh.	Appenzell I. Rh.	St. Gallen	Graubünden	Aargau	Thurgau	Ticino	Vaud	Valais	Neuchâtel	Geneva	Jura
Forestry statistics 2012																											
Total wood harvest in m³	4 658 379	378 451	863 149	242 577	32 356	88 671	59 124	27 666	45 617	55 341	219 412	180 477	2 602	140 410	74 617	54 607	13 250	273 088	398 815	412 553	138 577	68 794	459 950	123 027	146 502	7 475	151 271
Change over previous year (2011) in %	-8%	-10%	-10%	-18%	22%	-28%	-3%	-4%	22%	-1%	-10%	-5%	-8%	1%	-14%	-13%	-24%	-4%	-5%	-2%	-10%	-14%	-2%	-13%	-13%	2%	-13%
Sawlogs and veneer logs	2 467 987	168 698	489 863	157 920	15 227	49 034	26 473	11 431	24 935	29 329	121 903	66 039	380	41 997	26 680	35 709	12 370	161 843	270 913	177 538	65 822	13 271	245 248	64 251	107 428	358	83 327
Industrial roundwood	502 845	25 592	97 679	40 088	694	9 728	3 451	1 201	3 417	5 283	16 441	51 237	280	17 477	15 654	1 930	559	10 524	9 253	83 562	7 508	698	37 936	12 371	12 082	0	38 200
Total fuel wood	1 672 745	183 498	274 679	44 364	16 406	29 208	29 186	14 164	17 254	20 729	78 428	62 996	1 942	80 927	32 216	16 870	321	100 239	115 002	150 531	64 283	54 765	176 370	44 980	26 526	7 117	29 744
of which chopped wood	875 448	59 813	148 199	18 410	9 446	17 065	8 941	6 435	7 984	6 432	38 331	34 584	40	21 463	15 281	6 724	321	68 928	75 087	50 472	27 804	49 325	126 853	35 938	18 268	3 391	19 913
of which wood chips	797 297	123 685	126 480	25 954	6 960	12 143	20 245	7 729	9 270	14 297	40 097	28 412	1 902	59 464	16 935	10 146	0	31 311	39 915	100 059	36 479	5 440	49 517	9 042	8 258	3 726	9 831
Other types of wood	14 802	663	928	205	29	701	14	870	11	0	2 640	205	0	9	67	98	0	482	3 647	922	964	60	396	1 425	466	0	779
Softwood (conifers)	3 079 530	197 660	620 102	196 221	24 786	63 852	33 142	17 089	28 748	38 905	158 023	79 561	30	38 085	39 950	46 424	12 914	190 643	379 157	208 752	82 130	20 610	285 186	114 078	111 433	270	91 779
Hardwood (deciduous)	1 578 854	180 791	243 047	46 356	7 570	24 820	25 982	10 577	16 869	16 436	61 390	100 916	2 572	102 325	34 667	8 183	336	82 445	19 660	203 802	56 447	48 184	174 764	8 949	35 069	7 205	59 492
Total forest area (ha)																											
Productive forest land	1 100 803	50 688	159 494	39 949	16 975	24 983	15 526	7 079	18 533	6 424	41 706	27 408	471	20 018	12 709	6 871	4 655	53 744	152 757	46 480	19 644	127 551	93 189	89 943	27 552	2 785	33 669
Unproductive forest land	157 855	327	16 293	0	3 641	2 001	3 133	679	2 468	23	837	4 212	0	394	109	320	214	2 473	42 569	2 446	40	14 742	33 500	19 063	3 746	338	4 287
Certified forest land (FSC and Q+PEFC)	657 865	35 028	73 998	26 659	0	18 548	17 221	5 088	18 297	4 591	9 856	25 064	142	15 363	10 899	7 038	4 831	51 408	130 538	37 458	19 684	0	64 335	34 013	18 853	1 679	27 274
Proportion of total forest area in %	52%	69%	42%	67%	0%	69%	92%	66%	87%	71%	23%	79%	30%	75%	85%	98%	99%	91%	67%	77%	100%	0%	51%	31%	60%	54%	72%
Forest reserves¹ (source: Federal Office for the Environment)	55 947	2 750	2 856	1 302	320	3 755	1 187	416	1 486	900	827	3 134	0	3 342	455	100	0	2 771	12 662	4 482	1 714	2 889	1 089	1 728	1 834	674	754
Forest ownership																											
Private forest land in ha	364 144	24 660	86 054	29 079	2 980	6 748	1 635	2 453	2 518	1 813	18 546	6 415	86	4 435	2 068	5 530	2 782	23 146	18 189	10 828	11 005	29 313	41 094	9 443	13 137	1 392	8 795
Public forest land in ha	894 374	26 355	89 733	10 870	17 636	20 236	17 024	5 305	18 483	4 634	23 997	25 205	385	15 977	10 750	1 661	2 087	32 931	177 137	38 098	8 679	112 980	85 595	99 563	18 161	1 731	29 161
Forest owners (total number)	249 478	18 412	36 817	12 145	1 514	3 462	1 814	591	1 469	832	12 159	5 292	164	6 136	1 881	4 266	3 025	18 460	10 814	14 269	8 873	30 568	27 346	20 010	2 984	1 592	4 583
Private forest owners	245 978	18 195	36 371	11 877	1 489	3 376	1 800	571	1 457	805	11 951	5 149	160	6 044	1 852	4 241	2 996	18 325	10 584	14 016	8 795	30 224	26 966	19 774	2 886	1 566	4 508
Public forest owners	3 500	217	446	268	25	86	14	20	12	27	208	143	4	92	29	25	29	135	230	253	78	344	380	236	98	26	75
Business results achieved by forestry enterprises in Swiss francs																											
Revenue	535 453	40 407	67 939	17 824	9 358	12 043	15 780	4 166	11 090	7 932	24 749	23 803	351	23 927	6 773	6 361	543	25 603	69 338	59 563	8 299	8 643	33 480	34 091	12 805	859	9 727
of which contributions for public services comprise	135 058	5 184	10 092	1 836	4 433	3 078	5 961	1 662	5 067	1 346	7 207	4 430	100	4 107	764	219	0	6 411	23 511	7 442	1 270	5 152	13 430	18 312	2 727	10	1 308
Expenditure	593 546	51 568	70 949	14 603	9 638	12 360	14 649	3 978	12 077	7 782	25 757	25 222	660	23 150	9 314	6 805	364	24 421	76 264	58 987	8 319	15 808	57 771	34 628	14 589	3 760	10 124
Balance	-58 093	-11 160	-3 009	3 222	-280	-317	1 131	188	-987	150	-1 008	-1 419	-308	776	-2 541	-444	180	1 182	-6 926	576	-21	-7 165	-24 291	-537	-1 784	-2 902	-397
Investment (capital spending)	74 740	1 883	7 254	794	1 844	1 145	2 054	263	1 599	859	1 031	3 533	10	1 967	288	271	173	1 584	27 654	2 910	617	7 000	446	7 449	770	497	845
of which contributions for public services comprise	48 350	199	1 559	459	1 388	360	112	103	401	279	674	241	0	143	103	3	9	186	16 170	209	0	3 536	16 835	3 874	691	0	816
Wood processing in sawmills																											
Roundwood (log) conversion in sawmills	1 863 329	56 564	323 099	342 434	2 850	236 894	3 954	X	4 580	X	193 319	20 412	0	X	13 132	6 210	7 295	201 306	25 493	36 691	73 686	11 440	167 328	51 230	26 919	0	33 701
Total number of employees²	2 787	188	620	373	11	258	26	19	5	3	292	61	0	13	33	12	9	217	91	81	126	16	134	78	34	0	89
Total number of sawmills (at least 400m³ of wood processed)	303	16	62	39	3	14	4	2	2	1	18	11	0	2	4	3	2	32	15	11	14	2	13	12	9	0	12
Total number of smallest sawmills (less than 400m³ of wood processed)	113	7	27	10	1	5	2	0	1	1	5	1	0	0	1	2	2	8	11	5	2	3	10	6	1	0	2

¹ Graubünden: 5206 ha National Park and 2514 ha Pro Natura reserve ² Including small sawmills processing less than 400 m³ of wood per year (total processed: 19,374 m³), mainly roundwood as secondary occupation or for own use X: Not included due to data protection issues.

Sources: FSO, Swiss Forestry Statistics; Survey on wood processing in sawmills, Survey Network of Forest Enterprises, Forest reserves: Federal Office for the Environment.