

concerning Switzerland for entrepreneurs, advisers and decision-makers

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Switzerland's seven major regions

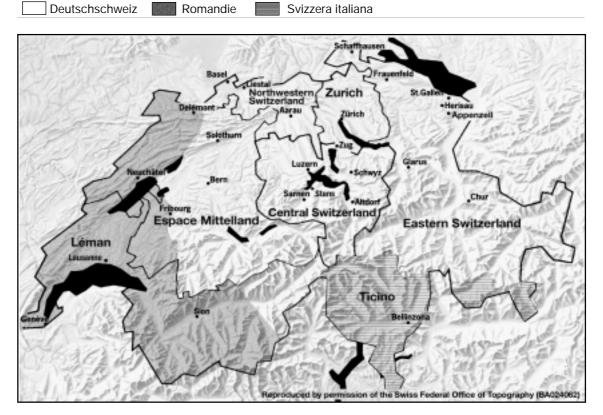
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1

Region	Popula	ation
Cantons	Number	in%
Central Switzerland	685,630	9.4
LU UR SZ OW NW ZG		
Eastern Switzerland	1,051,350	14.4
GR GL SG AR AI TG SH		
Zurich	1,252,800	17.2
ZH		
Northwestern Switzerland	998,300	13.7
AG BL BS		
Espace Mittelland	1,678,550	23.1
BE SO FR NE JU		
Léman	1,316,700	18.1
GE VD VS		
Ticino	301,600	4.1
TI		
Switzerland	7,280,000	100.0

Deutschschweiz

Svizzera italiana



Source: Swiss Federal Statistical Office (SFSO/BFS); Swiss Census 2000

[→] www.statistik.admin.ch

Political stability 10 = highest score, no risk Country Score Luxemburg 9.895 Finland 9.475 Australia 9.353 Switzerland 9.310 USA 9.240 Netherlands 9.167 Denmark 9.070 Germany 9.013 Sweden 8.818 Great Britain 8.810 Singapore 8.768 Austria 8.720 Spain 8.435 France 8.151 Belgium 7.612 Italy 5.368 | 8 0 9 10 3 7 4 5 2 6

Source: IMD The World Competitiveness Yearbook 2001, Tab. 2.3.20

1

2

6

Age 100+ 95-99 90-94 Men Women 85-89 80-84 75-79 70-74 65-69 60-64 55-59 50-54 45-49 40-44 35-39 30-34 25-29 20-24 15-19 10-14 05-09 00-04 | 50 | 100 | 50 | 250 | 100 | 150 350 300 200 150 0 200 250 300 350 Number of persons

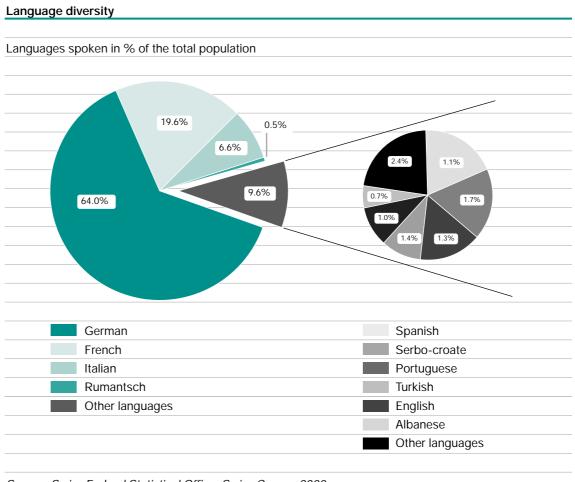
Demographic age structure 2000

4

1

Source: Swiss Federal Statistical Office, Swiss Census 2000 → www.statistik.admin.ch

1.5



Source: Swiss Federal Statistical Office, Swiss Census 2000 → www.statistik.admin.ch

International organizations headquartered in Switzerland

ICRC	International Committee of the Red Cross	Geneva
UNHCF	R United Nations High Commissioner for Refugees	Geneva
IOC	International Olympic Committee	Lausanne
ITU	International Telecommunication Union	Geneva
BIZ	Bank for International Settlements	Basle
FIFA	Fédération Internationale de Football Association	Zurich
WTO	World Trade Organization	Geneva
ILO	International Labour Organization	Geneva
WHO	World Health Organization	Geneva
UPU	Universal Postal Union	Berne
WWF	World Wide Fund for Nature	Gland
FIS	International Ski Federation	Thun
UEFA	Union of European Football Associations	Nyon
CERN	European Organization for Nuclear Research	Geneva
ISSI	International Space Science Institute	Berne
CIT	International Rail Transport Committee	Berne
EBU	European Broadcasting Union	Geneva
IRU	International Road Transport Union	Geneva
WIPO	World Intellectual Property Organization	Geneva
WMO	World Meteorological Organization	Geneva

Globalization

Switzerland moved from 4th to 2nd place in the annual Foreign Policy/ATKearney globalization index ranking economic and political integration in 62 countries.

Globalization Index Rankings 2002

1	Ireland	9	Austria
2	Switzerland	10	Great Britain
3	Singapore	11	Norway
4	Netherlands	12	USA
5	Sweden	13	France
6	Finland	14	Germany
7	Canada	15	Portugal
8	Denmark	24	Italy

Quelle: Foreign Policy/ A.T.Kearney

└→ www.atkearney.com

2.1

Per capita gross domestic product, 2000 in USD 43,951 Luxemburg 37,567 Japan Norway 36,147 USA 36,144 Switzerland 33,608 Denmark 30,112 Sweden 27,705 Ireland 24,711 Great Britain 23,688 Finland 23,430 23,098 Germany Austria 22,850 Netherlands 22,819 France 21,751 Italy 18,730 5,000 10,000 15,000 20,000 25,000 30,000 35,000 40,000 45,000 0

Source: IMD The World Competitiveness Yearbook 2001, Tab. 1.1.17 └→ www.imd.ch/wcy.htm

GDP by sectors

Year 2000

Country	Perc	entage of	GDP	Percentage of total employmen				
	Agriculture	e Industry	Services	Agriculture	e Industry	Services		
Austria	2	32	66	6	31	63		
Belgium	2	29	69	2	27	71		
France	3	25	71	4	25	71		
Germany	1	30	69	3	34	63		
Great Britain	2	31	67	1	26	73		
Italy	3	30	67	5	33	62		
Netherlands	3	26	71	3	16	81		
Sweden	2	31	67	3	26	71		
Switzerland	3	32	65	5	26	69		
USA	2	27	71	3	23	74		

Source: IMD The World Competitiveness Yearbook 2001, Tab. 1.1.07 und 4.1.04 www.imd.ch/wcy.htm

Nominal net output per employee 2001 level in thousand CHF Pharmaceutical Banks Chemicals Real estate Insurance Telecommunications Plastics Food and beverages Electrical engineering Paper and cardboard Machinery and vehicles Visual communication **Building materials** Wholesale trade IT sevices Metals Watch industry Corporate services Logistics Textiles Architecture and engineering Automobile sector Construction Retail trade Tourism Health and social services Garments Entertainment, culture and sport 50 100 150 200 250 300 350 400 Ó

Production and productivity in key sectors

1() 2.1

Source: UBS AG, Swiss sectoral trends 2002, Database: BAK Konjunkturforschung Basel AG

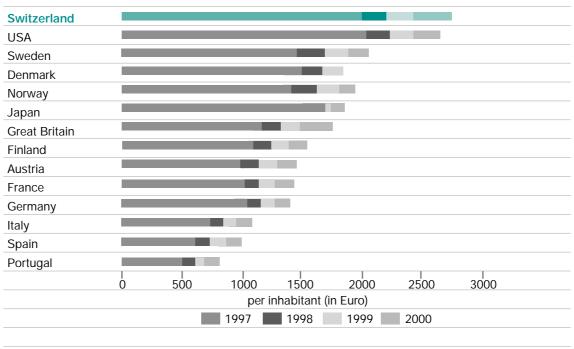


Branche Employment in 1000 in % Total (excluding agriculture/forestry) 3,640 100 Food and beverage 65 1.8 Textiles/clothing 24 0.7 Wood and paper 52 1.4 Printing 56 1.5 Chemicals and plastics 92 2.5 2.9 Metal industry 104 Machine building 110 3.0 Office, precision instruments and watches 139 3.8 Vehicles 20 0.5 Other fabrication industries and trade 55 1.5 Energy and water supply 22 0.6 Construction 303 8.3 8.0 Wholesale trade 291 9.3 Retail trade 334 224 6.2 Gastronomy 4.3 Public transport 157 Communications 2.3 84 Credits 133 3.7 Insurance 73 2.0 Information technology services 1.7 61 Consulting services 295 8.2 Public administrations 140 3.8 Education 232 6.3 Health and social services 385 10.7 4.9 Other services 179

Details on industry structure (percentages of employees) (3rd quarter 2001)

Source: Swiss Federal Statistical Office (SFSO/BFS) → www.statistik.admin.ch

12 **2.1**



Spending on information and communications technology, International comparison 1997-2000

Source: Swiss Statistical Office: Database: EITO 2001

Internet users

Internet users in % of total population in millions, end of 2000

Country	Interne	t users	
	as % of population	Number in mi	illion
USA	48.9	134.9	
Switzerland	43.4	3.1	
Great Britain	41.5	24.8	
Netherlands	36.5	5.8	
Ireland	34.5	28.0	
Germany	26.6	2.7	
Italy	23.7	0.9	
Belgium	23.4	13.9	
France	22.7	13.0	
			0 5 10 15 20 25 30 35 40 45 50

1 <

Source: Economic Promotion Geneva, International Comparisons 2001, Database: Internet usage and Commerce in Western Europe, 2000-2004, report published by IDC, Division of IDG, International Data Group, June 2001

└→ www.idc.com

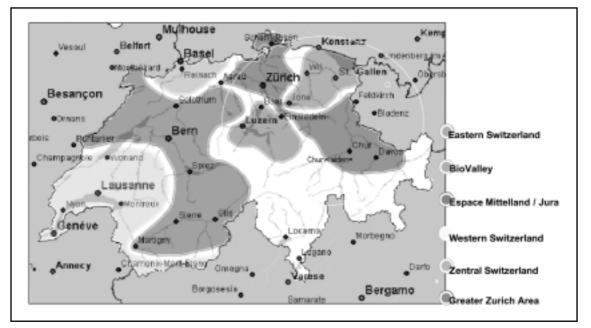
14 **2.1**

E-commerce		
10= Adequately dev	eloped	
1 = Inadequately de	veloped	
Finland	8.198	
USA	7.636	
Sweden	7.485	
Germany	6.727	
Netherlands	6.600	
Denmark	6.282	
Great Britain	6.238	
Switzerland	6.000	
Austria	5.960	
France	5.290	
Japan	4.692	
Spain	4.290	
Italy	3.744	

Source: IMD The World Competitiveness Yearbook 2001, Tab. 4.2.11

└→ www.imd.ch/wcy.htm

Regional Cluster: Medical Technology



Source: Zurich MedNet └→ www.zurichmednet.org



	Nor	nina	l net o	outpu	ıt 20	01 le	evel	
	CHI	= bill	ions					
		1					1 1 1	
Banks								
Retail trade								
Construction								
Wholesale trade								
Corporate services								
Health and social services								
Pharmaceutical								
Machinery and vehicles								
Tourism								
Electrical engineering								
Insurance								
Metals								
Food and beverages								
Chemicals								
Telecommunications								
Architecture and engineering								
Visual communication								
Automobile sector								
IT services								
Real estate		I						
Building matrials								
Plastics								
Logistics								
Watch industry								
Paper and cardboard								
Textiles								
Entertainment, culture and sport								
Garments								

Value added by industry and services

Source: UBS AG, Swiss sectoral trends 2002, Database: BAK Konjunkturforschung Basel AG

16 **2.1**

The 10 largest biotech locations in Europe Germany Great Britain France Sweden Switzerland Netherlands Finland Belgium Denmark Italy । 50 0 100 150 200 250 300 Private companies Listed companies Source: Ernst & Young, Biotechnology Report 1998

Gross Domestic Product (GDP) per person employed in 2000

Country	USD	
USA	73,888	
Switzerland	61,615	
Belgium	57,519	
France	55,714	
Ireland	54,912	
Italy	51,809	
Germany	51,612	
Great Britain	51,031	
Netherlands	46,606	
	l 0 1	I I I I I I I I 0,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000

Source: Economic Promotion Geneva, International Comparisons 2001;

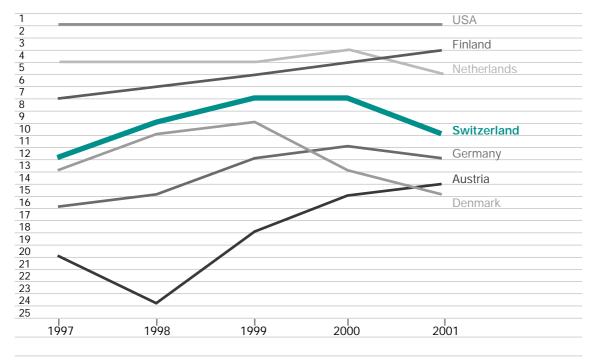
IMD The World Competitiveness Yearbook 2001, Tab. 3.1.02

→ www.imd.ch/wcy

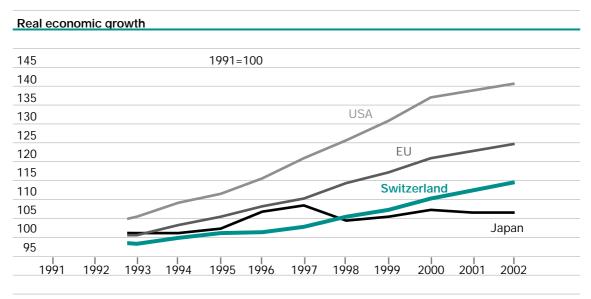


Ranking of competitiveness

After a buoyant year 2000, which will be remembered as one of the most exciting times in decades, 2001 seems to be suffering from an "economic hangover". When almost half of the world economy loses momentum, one can reasonably expect that it will have a depressive impact on the performance of Europe. In the World Competitiveness Yearbook 2001, Switzerland ranks 10th in overall competitiveness of 49 countries and 6th in Europe.



Source: IMD The World Competitiveness Yearbook 2001, S. 20

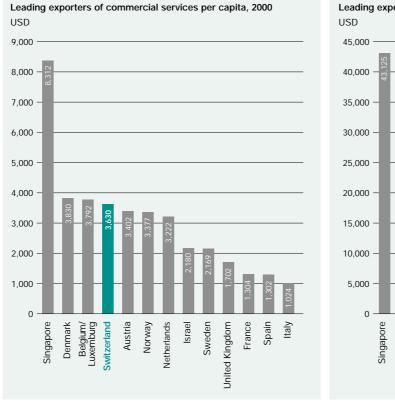


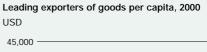
Source: Credit Suisse, Economic Research & Consulting

18 **2.2**

Foreign trade - international comparison (2000)

Country	Population	Exports of goods and services			Imports of	goods and se	GDP		
	Million	Billion USD	per capita	Share of	Billion USD	per capita	Share of	Billion USD	per capita
	inhab.		S	ervices in %		se	rvices in %		
Switzerland	7.3	107.0	14,658	32.9	98.0	13,424	18.7	245.3	33,608
USA	276.0	1,056.4	3,826	35.0	1,457.3	5,280	15.8	9,975.7	36,144
Japan	127.0	547.3	4,309	12.4	494.7	3,895	30.3	4,771.0	37,567
Sweden	8.9	106.3	11,943	22.3	95.8	10,782	31.9	228.8	25,705
Germany	83.0	626.7	7,550	13.6	625.8	7,539	25.1	1,917.1	23,098
Austria	8.1	92.8	11,456	42.9	97.2	12,000	41.2	185,1	22,850
Belgium/Luxemburg	10.6	232.1	21,896	20.9	220.4	20,792	21.4	250.3	23,613
Netherlands	15.9	262.3	16,497	23.9	247.0	15,534	25.4	362.8	22,819
United Kingdom	59.5	380.1	6,388	35.7	414.0	6,958	24.8	1,409.4	23,688
France	59.3	375.4	6,331	25.9	362.5	6,112	18.7	1,289.8	21,751
Canada	31.3	314.4	10,044	13.4	291.0	9,297	16.8	700.5	22,379
Italy	57.6	293.6	5,097	25.2	290.3	5,040	24.5	1,078.8	18,730
Spain	40.0	165.8	4,145	45.9	183.5	4,588	19.5	563.1	14,077
China/Hong Kong	1,269.0	494.9	390	9.6	474.1	374	7.9	1,236.7	9,745





Belgium/ Luxemburg

Ireland

Norway

Switzerland

Netherlands

Sweden Denmark Austria

Finland

Canada





		Swiss Exp	orts	S	Surplus			
Region/country	Millio	n CHF	Share in %	Million	CHE	Share in %	Million CHF	
	1999	2000	2000	1999	2000	2000	2000	
EU European Union	73,796	80,034	58.8	93,409	103,806	74.5	- 23,772	
Germany	27,231	29,174	21.5	37,251	40,584	29.1	- 11,410	
France	11,093	11,956	8.8	14,419	14,246	10.2	- 2,290	
Italy	9,588	10,461	7.7	11,626	12,950	9.3	- 2489	
Great Britain	6,604	7,689	5.7	6,786	8,129	5.9	- 440	
Austria	3,871	4,158	3.1	4,691	4,945	3.5	- 787	
Netherlands	3,799	4,152	3.1	6,077	7,894	5.7	- 3,742	
Spain	3,493	3,773	2.8	2,046	2,418	1.7	1,355	
Belgium/Luxemburg	2,615	2,928	2.2	1,677	3,844	2.8	- 916	
Sweden	1,597	1,647	1.2	1,838	1,915	1.4	268	
Denmark	995	1,048	0.8	1,117	1,140	0.8	92	
Greece	853	849	0.6	126	146	0.1	703	
Portugal	839	828	0.6	489	514	0.4	314	
Finland	709	808	0.6	984	1,243	0.9	- 435	
Ireland	510	563	0.4	2,337	3,308	2.4	- 2,745	
Other industrialized nations	22,175	26,199	19.3	12,410	15,453	11.1	10,746	
USA	14,678	17,427	12.8	7,702	10,288	7.4	7,139	
Japan	4,853	5,767	4.2	3,438	3,926	2.8	1,841	
Transitional economies	5,066	6,186	4.6	5,281	8,623	6.2	- 2,437	
Poland	1,007	1,132	0.8	269	371	0.3	791	
Hungary	628	657	0.5	467	625	0.4	32	
Russian Federation	355	556	0.4	1,677	3,844	2.8	- 3,288	
Czech Republic	672	758	0.6	462	604	0.4	154	
China (excl. Hong Kong)	990	1,403	1.0	1,800	2,301	1.7	- 898	
Newly industrialized nations	11,632	14,466	10.6	4,456	5,930	4.3	8,536	
Hong Kong	2,912	3,841	2.8	656	894	0.6	2,947	
Taiwan	1,328	1,527	1.1	802	1,088	0.8	439	
Israel	1,392	1,440	1.0	467	503	0.4	937	
Developing countries	1,392	9,130	6.7	4,500	5,590	4.0	3,541	
OPEC countries	2,633	3,134	2.3	1,383	2,276	1.6	859	
Total	120,725	136,015	100.0	120,057	139,402	100.0	- 3,387	
NAFTA 1)	16,465	19,670	14.5	8,515	11,058	7.9	8,612	
MERCOSUR 2)	1,612	1,761	1.3	520	970	0.7	791	
ASEAN 3)	2,879	3,509	2.6	1,367	1,677	1.2	1,832	

Exports and imports by economic area and selected countries

1) USA, Canada, Mexico

2) Brasil, Argentina, Uruguay, Paraguay, Chile, Bolivia

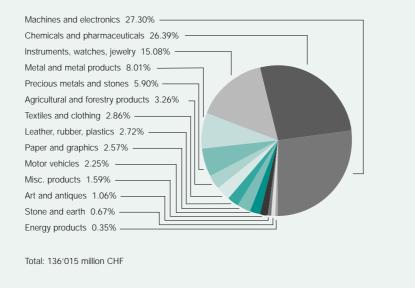
3) Myanmar, Thailand, Malaysia, Brunei, Singapore, Laos, Vietnam, Philippines, Indonesia, Cambodia

20 2.2

Swiss exports in 2000 by type of product

Product	1990	1999	2000	Change	
	Million CHF			from 1999	
				in %	
Machines and electronics	18,425	33,991	37,137	13.77	
Chemicals and pharmaceuticals	25,527	32,642	35,892	5.59	
Instruments, watches, jewelry	13,330	17,732	20,516	15.70	
Metal and metal products	7,537	9,471	10,892	15.01	
Precious metals and stones	5,142	5,324	8,031	50.84	
Agricultural and forestry products	2,998	4,014	4,428	10.31	
Textiles and clothing	4,984	3,787	3,891	2.74	
Leather, rubber, plastics	2,220	3,362	3,698	9.98	
Paper and graphics	2,149	3,205	3,495	9.05	
Motor vehicles	1,485	3,158	3,054	-3.31	
Misc. products	1,562	2,024	2,163	6.86	
Art and antiques	2,241	955	1,435	50.27	
Stone and earth	604	799	909	13.80	
Energy products	58	261	475	81.74	
Total	88,260	120,725	136,015	12.67	

Swiss exports in 2000 as % of total



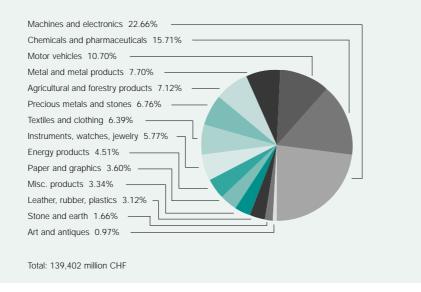
Source: OSEC, Swiss Foreign Trade 2001/2002, Database: Swiss Customs Administration



Swiss imports in 2000 by type of product

Product	1990	1999	2000	Change	
N	1illion CHF			from 1999	
				in %	
Machines and electronics	19,794	26,966	31,583	17.12	
Chemicals and pharmaceuticals	10,625	19,322	21,899	13.33	
Motor vehicles	10,230	14,422	14,903	3.34	
Metal and metal products	8,095	9,560	10,735	17.87	
Agricultural and forestry products	9,025	9,108	9,925	3.82	
Precious metals and stones	8,806	8,521	9,428	67.18	
Textiles and clothing	5,786	6,849	8,905	4.50	
Instruments, watches, jewelry	5,378	5,639	8,031	17.25	
Energy products	3,818	4,594	6,290	79.01	
Paper and graphics	3,736	4,391	5,025	9.40	
Misc. products	3,476	3,973	4,660	5.35	
Leather, rubber, plastics	4,312	3,513	4,345	9.39	
Stone and earth	2,143	2,164	2,314	6.94	
Art and antiques	1,389	1,002	1,359	35.59	
Total	96,613	120,057	139,402	16.11	

Swiss imports in 2000 as % of total



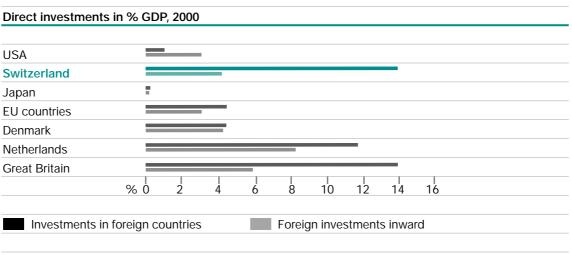
Source: OSEC, Swiss Foreign Trade 2001/2002, Database: Swiss Customs Administration

<u>22</u> **2.2**

Portfolio of direct investments as of 2000

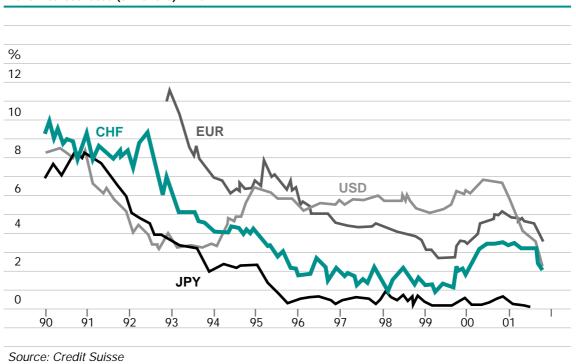
Swiss direct investment	Foreign direct investment		
abroad	in Switzerland		
Cumulated sums	by end of 2000 in million CHF		
294,871	131,300		
178,679	76,203		
94,063	52,017		
22,129	2,822		
33,015	533		
44,680	2,168		
372,566	134,001		
	abroad Cumulated sums 294,871 178,679 94,063 22,129 33,015 44,680		

Source: SNB Swiss National Bank



Source: Credit Suisse, Economic Research & Consulting





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Euro interest rates (3 months) in %

Public finances Public debt in % of GDP 1999* Switzerland 51.2 Great Britain 53.0 Germany 63.5 Netherlands 63.7 Austria 64.9 France 65.0 Spain 67.6 Sweden 68.3 Greece 104.4 116.6 Italy | 40 | 60 | 80 T % ό 20 100 120

* max. admissible value according to Maastricht treaties 60%

24 **2.4**

Source: Statistical Data on Switzerland 2001, Swiss Federal Statistical Office (SFSO/BFS)

2.5

Country	Rank	Employed							
		in % of population	۱						
Luxemburg	1	58.1	-						-
China	2	55.7	-						
Switzerland	3	54.5							
Singapore	6	52.1							
Japan	7	50.9		-					
Netherlands	9	49.0							
USA	10	48.9							
Sweden	14	46.8						•	
Austria	20	45.1							
Germany	23	44.8							
France	34	39.0							
Italy	45	36.2							
		ç	 % 0	 10	 20	 30	40	ا 50	60
				Rank		Emplo	oyed in	% of po	opulatior

25

Source: IMD The World Competitiveness Yearbook 2001, Tab. 1.4.02

26 3.1

Economic freedom: Index

The most liberal economies (2002)

Country	Rank	
	Worldwide	Europe
Hong Kong	1	
Singapore	2	
New Zealand	3	
Estonia	4	1
Ireland	4	1
Luxemburg	4	1
Netherlands	4	1
USA	4	
Australia	9	
Chile	9	
Great Britain	9	5
Switzerland	12	6
Denmark	12	6

Source: Heritage Foundation, 2002 Index of Economic Freedom → www.heritage.org



Customs treatment of relocation goods

(household effects imported by new or returning residents)

Art. 13 of the Customs Regulations

1. Used household effects, intended for use by new or returning Swiss residents, are exempt from duty (Art. 14, par. 8 Civil Code).

- 2. New or returning residents are physical persons who give up their principal domicile abroad and establish it in Switzerland.
- 3. Exempt household effects are goods which new or returning resident has used either personally, or which were used in his/her business or profession, during at least six months prior to importation, and which this person intends to use for the same purpose also in the future, as well as household staples of the usual quantity and kind. Alcoholic beverages with an alcohol content over 25° are limited to 12 liters. Automobiles, motor boats and airplanes are exempt for duty only if the new or returning resident pledges to continue using them in the previous manner, for at least another year following their duty-free importation. For vehicles that were registered duty-free and are subsequently sold before the one-year period has expired, the Swiss Federal Department of Finance may re-impose duty, or exempt it, depending on the age of the vehicle.
- 4. Household effects must be imported in direct conjunction with the change of domicile. If the new or returning resident can demonstrate that the importation is obstructed, exemption form duty may be granted after the obstruction has been eliminated, but no later than 3 years since the change of domicile. For household effects that are imported later, a reasonable reduction of the duty may be granted under circumstances that make the delay plausible.
- 5. Exemption from customs duty shall be requested at the time the effects are imported. If there are follow-on shipments they shall be registered together with the first shipment.
- 6. The household effects, personal effects and household staples of persons who have stayed in a foreign country for at least one year but did not give up their Swiss domicile, are treated in the same manner as those of new or returning residents.
- 7. Household effects and personal effects of persons with domicile abroad who purchase or rent an apartment or home for their own exclusive use in Switzerland, are exempt for customs duty if they were used in the person's own household in the foreign country for at least six months prior to the rental or purchase of the Swiss apartment or home, and if the importation coincides with the purchase or rental of the premises.

Procedures and notes

- 1. The request for exemption from duty shall be made on the customs declaration and release form ("Erklärung/Abfertigungsantrag", Sections 2 and 3) at the time of the importation of the household effects.
- 2. Together with the above form the following shall be submitted to the customs office:
 - a) List of the goods to be imported; goods that do not qualify for exemption from duty shall be declared at the end of the list as "goods subject to duty";
 - b) Swiss residence document (for immigrating foreign nationals);
 - c) Foreign registration certificates of automobiles, motorboats and airplanes;
 - d) Proof of purchase or rental of a home or apartment, or the availability for occupancy (in the case of effects used to furnish secondary residences; also refer to Par. 7 of this Art. 13).
 - The customs office may request additional documents for verifying the entitlement to exemption from duty.
- 3. Persons who are not present when the goods are cleared through customs shall submit the form "Erklärung/ Abfertigungsantrag" and the documents listed in item 2 above to their shipping agent (railway, shipping company, etc.) for submission to the customs office.
- 4. Follow-on shipments shall be registered with the customs office by means of a separate list at the time the first shipment is cleared.
- 5. Household effects that are exempt for duty can be cleared through customs only on work days during the hours set for clearing commercial goods.
- 6. Effects for furnishing secondary residences are exempted from duty only if the country of origin grants the same relief.
- 7. Certain goods are subject to import restrictions or prohibitions for commercial, financial, economic, health, veterinary and security reasons. The importation of certain plants and animals is also restricted or prohibited.
- 8. If the customs office has any doubt concerning the exemption from duty, the household effects can be cleared provisionally through customs at the assessed rate.
- N.B.: It is a criminal offense to obtain exemption from customs duty by fraudulent means, or to hand over to a third party a vehicle for which the required period of continued personal use is still in effect, without first registering it for customs clearance.

The corresponding form can be obtained from the Swiss Federal Customs Office, the local customs office, or the regional customs directorate.

Source: Swiss Customs Administration, Sample specification sheet Customs treatment of relocation goods, Form 18.44 d 02.01 (Translation)

Work and residence permits

28 **3.3**

For determining the required procedure and the applicable permit it is necessary to differentiate whether

- The permit is issued before or after the Bilateral Agreements between Switzerland and the EU become effective
- The corresponding persons are EU nationals or foreigners from another country outside the EU

Before inception of the Bilateral Agreements / procedures for non EU nationals	Procedures after inception of the Bilateral Agree- ments, only applicable to EU nationals
Temporary residence permit (type L)	Temporary residence permit
Validity six months for trainees, 18 months for key positions (founding of a company, training of new personnel)	Validity 1 year Geographic and vocational mobility Residence permit for family members possible Annual contingent of 115,500 permits for first five
4 months permit (Cantonal) Valid for 120 day per year for key positions for founding/setting up a company	years after inception of Bilateral Agreements, no quantitative restriction thereafter Eliminates obligation to leave Switzerland imme- diately after employment contract is terminated Renewal if continued employment is ensured
Cross-border commuter permit (type G) Validity 12 months, to be renewed annually Must have been a residence of the border zone for at least 6 months Daily return to country of origin	Only weekly return to home required Geographic mobility within border zone After 5 years border zones will be eliminated
Seasonal permit (type A) For business with seasonally fluctuating work load Validity max. 9 months per year After 36 months an annual permit type B can be applied for This type of permit will be eliminated when the Bilateral Agreements with the EU become effective	No longer applicable

Continued on next page



	r
Annual residence (type B)	Long-term residence permit
Year-round employment in Switzerland Legal domicile in Switzerland Residence permits for family members possible Annual renewal is a simple formality	Validity 5 years Residence permits for family members possible Annual contingent of 115,500 permits for first fi- ve years after inception of Bilateral Agreements, no quantitative restriction thereafter Renewal if continued employment is ensured
Permanent residence permit (type C)	Same as above
Available after 5 years continous residence in Switzerland The permit holder is not subject to any labor law restrictions Except for the right to vote, to be elected to a public office, and compulsory service in the mili- tia these permit holders are equal to Swiss natio- nals Of particular importance is the right of perma- nent residents to be self-employed	
	2 years after the inception: Liberalization of the cross-border movement of physical persons engaged in the services sector (employers and employees) for up to 90 days per calendar year 12 years after the inception: transition to free movement of persons according to EU regulations

Annual permit holders may have their family join them; in this case a work permit is issued also to the spouse. A work permit is obtainable even if the residence of the two spouses is not the same. A spouse may take up residence in a different Canton.

For those considering moving it is advantageous to bundle the various requests and to discuss them in advance in the interest of "bundled solutions". The Cantonal industry and trade promotion offices provide advice regarding the procedure and the time required for processing the applications.

→ www.europa.admin.ch Topic: Bilateral Agreements Switzerland - EU, Free Movement of Persons

30 **3.3**

Checklist concerning the acquisition of land and buildings by persons living in a foreign country

Checklist

Is the intended property purchase exempt from permits (business site or main residence)?
Is it a bona-fide real estate purchase transaction ?
Is the buyer a non-resident alien ?
Does the transaction qualify for being permitted and are there no reasons for rejection ?

Source: Diener & Wetzel Attorneys, Küsnacht ZH

Guidelines

Acquisition of real estate in Switzerland by non-residents, Federal Office of Justice, December 1997



Time requirement for building permits

The Cantons are responsible for issuing the relevant permits based on the Cantonal building and zoning ordinances. The simplified time and procedure schedule given below is typical but may differ from Canton to Canton. It is based on a normal procedure for commercial/industrial projects without particular difficulties and without the need for any supplementary investigations and special approvals. It is also assumed that no circumstances exist that could lead to appeals/protests.

	Week									
	1	2	3	4	5	6	7	8	9	10
Submission of building permit application	Х									
Preliminary evaluation by local building authorities	Х	Х								
Publication in the official gazette		Х								
Appeal/protest procedure		Х	Х	Х						
Processing of appeals/protests				Х	Х					
Improvements/adaptations by owner					Х					
Recommendation by building authorities					Х	Х				
Decision/approval							Х	Х	Х	
Notification of applicant									Х	

Source: Own evaluation of various official statements as well as Investment Guide Schaffhausen, February 2001, p. 38

4.0

Country	Investment	S*					
	per capita (U	SD)					
Switzerland	225.0						
USA	199.6						
Great Britain	171.1						
Ireland	165.1						
Germany	145.3						
France	109.7						
Italy	97.1						
Netherlands	95.4						
Belgium	52.8						
		0	50	100	150	200	250
* 1997							
Source: OECD, Commun	ications Outlook, 1999						

4.1

Priate Utilization of PC/home computer and Internet

Comparison Switzerland / Europe, 2000

	Private utilization PC/home computers	Internet utilization				
	in % of surve					
Switzerland	64	83				
Sweden	61	68				
Netherlands	60	68				
Denmark	56	60				
Ireland	49	61				
Great Britain	47	57				
Germany	46	47				
EU *	45	49				
Finland	45	65				
France	40	55				
Italy	37	42				
Spain	36	37				

* 10 countries of the EU, weighted average

Source: Empirica: ECATT 2000 → www.ecatt.com

Comment

- Switzerland is well advanced in the private ownership and utilization of information processing and telecommunications tools. This establishes favorable preconditions for access and utilization of the Internet.
- At the end of 2000, two thirds of the polled Swiss households had a PC or home computer.
- Already with respect to the private IT infrastructure Switzerland has favorable basic conditions for the propagation of the "socio-technological innovation e-commerce" in the business-to-consumer area.

34 4.1

Fact sheet telecommunications data Switzerland

1. Overview of the structure of the telecommunications market Switzerland, year 2000

	Number	Trend 1999 – 2000
	per 100 inhabitants	in %
Main lines	57	- 1.09
Access channels	72	+ 3.34
Cellular mobile telephone subscribers	64	+ 51.70
CATV connections	36	+ 1.66
Personal Computers	65	+ 9.30
Subscribers to an internetprovider	20	+ 49.63
Internet users	30	+ 42.29

Source: OFCOM / BAKOM, Telecommunications Statistical 2001

2. ISDN connection density

	Number Unit 10 x 3 (year 2000)	Rate of penetration in %	Annual variation in %
ISDN lines	727	10.08	36.85
- Basic access lines	712.25	9.88	0.38
- Primary rate access line	14.30	0.20	0.05
ISDN access channels (2B/30B)	1,853	25.72	28.36
- Basic access channels	1,424.49	19.77	37.70
- Primary rate access channels	428.85	5.95	4.77

Source: OFCOM / BAKOM, Telecommunications Statistical 2001

3. Marktanteile am Mobilfunk

Provider	Market share in % 1)
Swisscom	67.7
TDC	14.7
Orange	17.0
Other	0.6

1) as per June 2001

Source: OFCOM / BAKOM, Telecommunicastions Statistical 2001

4.1

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4. Internet use by European comparison

Ranking of seven countries participating in Pan European Internet Survey

Rank	Country
1	Switzerland
2	Great Britain
3	France
4	Germany
5	Austria
6	Belgium
7	Spain

Source: EURO-JICs Pan European Internet Survey 2002 → www.ejic.org

5. "Last mile"

In spring 2000 the auction was held for three national licences and five regional licences in each of nine regions. Most of the licences went to companies which wish to enter the Swiss market and provide new (broadband) services. Consequently, an interesting contribution to innovations in the strategic sector of broadband services is to be expected in some segments of the market. The first operational base station was sommissioned in December 2000.

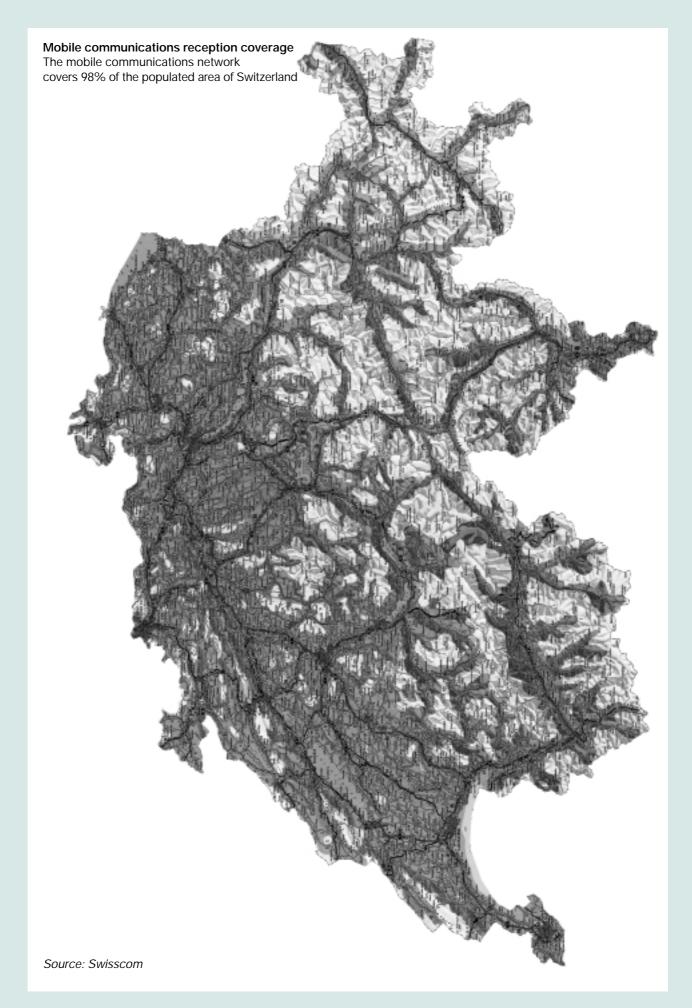
Source: OFCOM / BAKOM, Annual report 2000

6. Additional Information

OFCOM / BAKOM Annual reports

SICTA Swiss Information and Communications Technology Association

36 4.1



43

Distribution infrastru	cturo	
Distribution initiastru	cluie	
10 = efficient		
1 = inefficient		
Singapore	8.84	
Switzerland	8.70	
Finland	8.44	
Denmark	8.37	
Germany	8.26	
Austria	8.08	
France	7.94	
Sweden	7.55	
USA	7.14	
Japan	6.65	
Netherlands	6.40	
Spain	5.86	
Ireland	3.68	
Great Britain	3.55	
Italy	3.14	

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Source: IMD The World Competitiveness Yearbook 2001, Tab. 4.1.07 └→ www.imd.ch/wcy.htm

Highway network: Density

<u>38</u> **4.3**

Highway length in km	per km2 of land	l area (as per 1998)
Belgium	4.78	
Netherlands	4.00	
Japan	3.05	
Austria	2.40	
Germany	1.77	
Switzerland	1.70	
Denmark	1.65	
France	1.62	
Great Britain	1.62	
Ireland	1.32	
Italy	1.02	
USA	0.65	
		0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

Source: IMD The World Competitiveness Yearbook 2001, Tab. 4.1.06 → www.imd.ch/wcy.htm

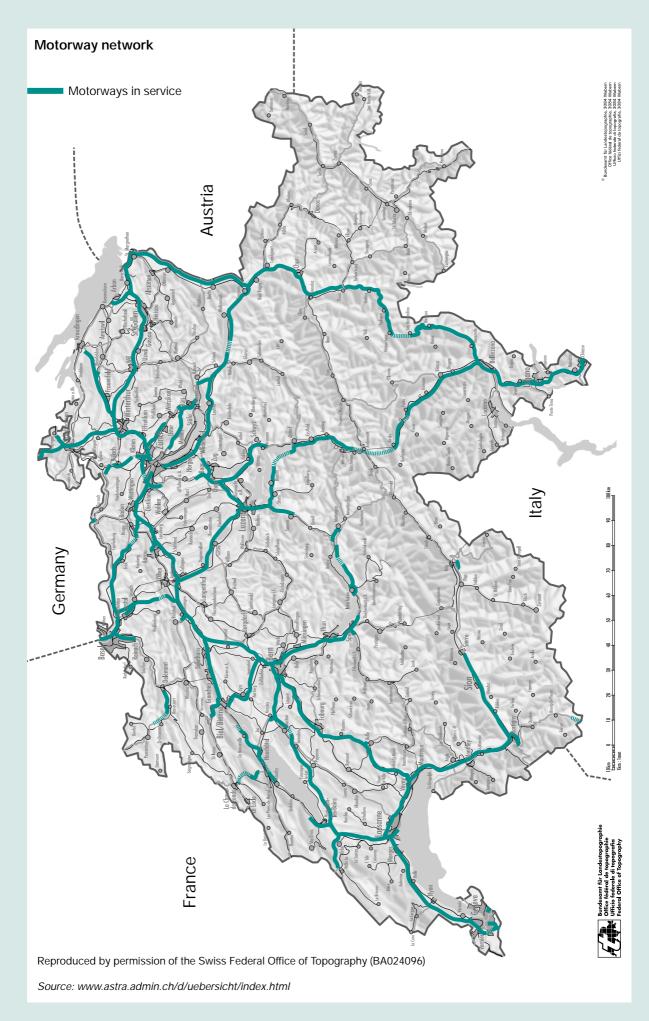
4.3

Rail network: Density

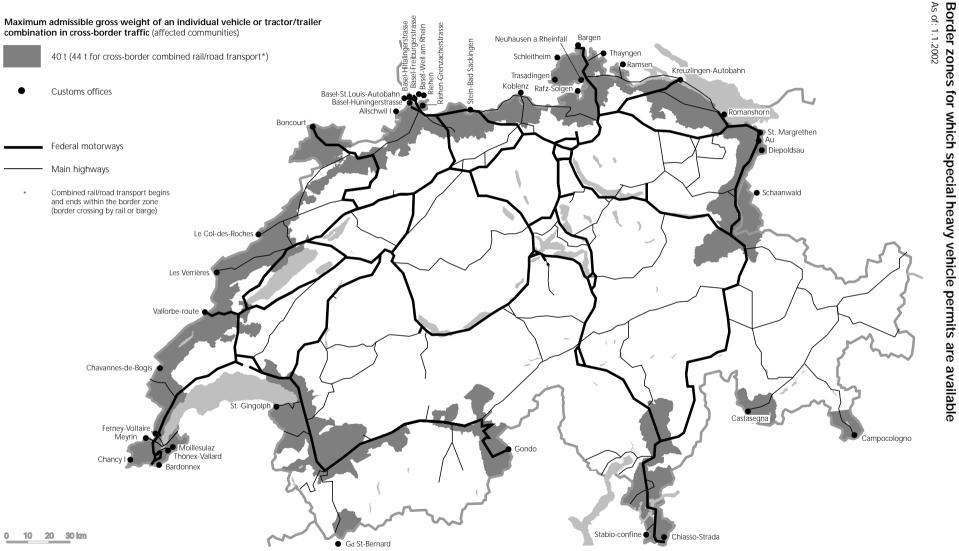
0.105 0.077 0.075	
0.075	
0.070	
0.069	
0.057	
0.054	
0.054	
0.053	
0.027	
0.024	
0.024	
	0.057 0.054 0.054 0.053 0.027 0.024

Source: IMD The World Competitiveness Yearbook 2001, Tab. 4.1.08 → www.imd.ch/wcy.htm

<u>40</u> **4.3**



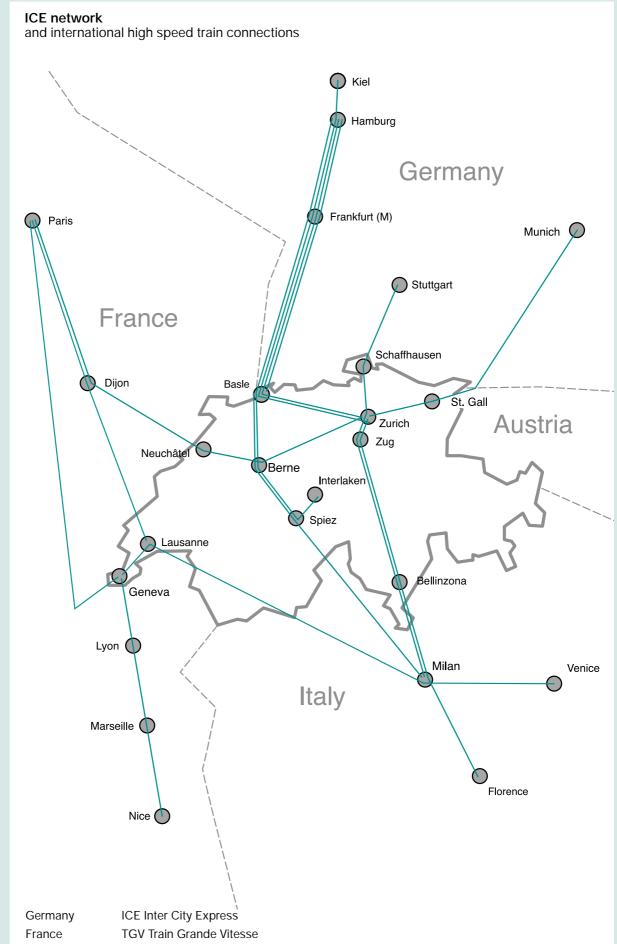




Source: Federal Customs Administration

(c) Swiss Federal Office for Regional Planning (ARE) / Simone Rüttimann-Schneuwly, 3184 Wünnewil

<u>42</u> **4.3**



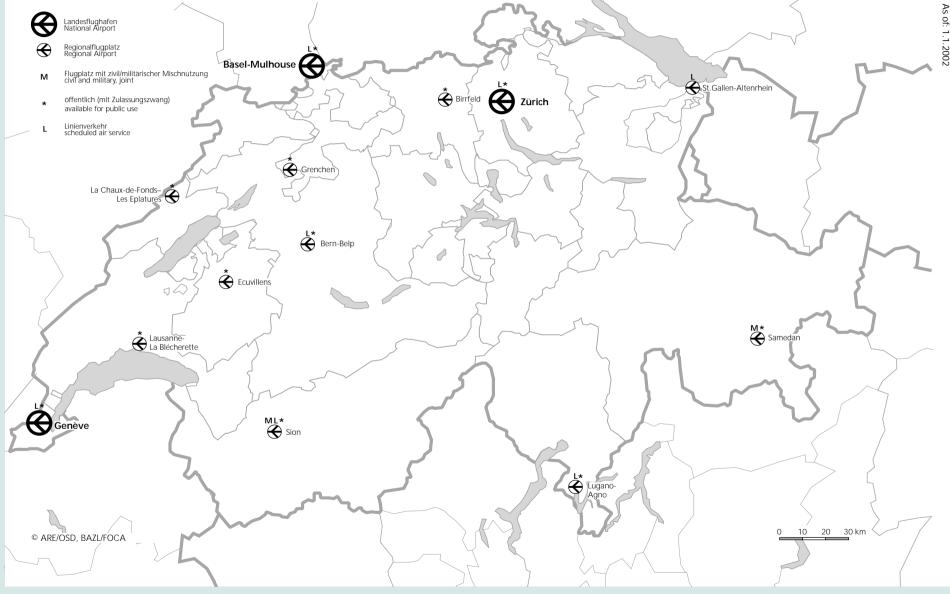
CIS Cisalpino

Italy





National and regional airports of Switzerland As of: 1.1.2002



44 **4.4**

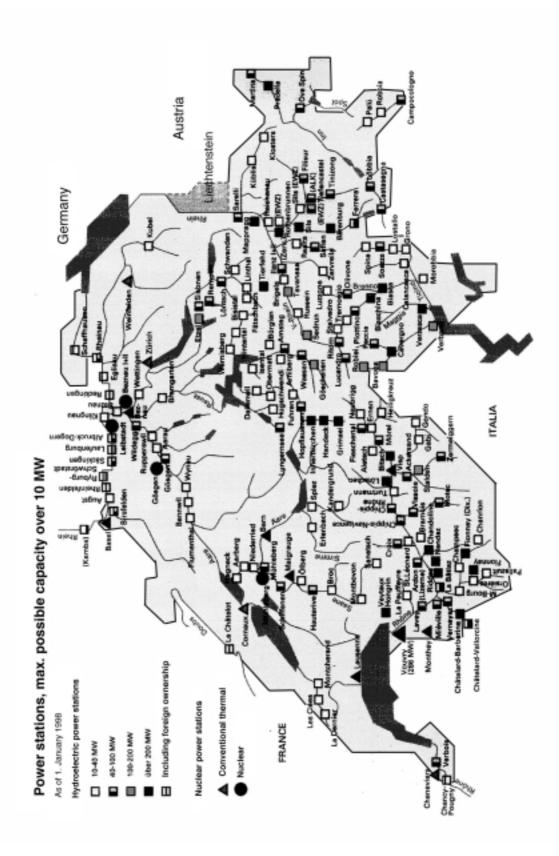
End-user energy consumption in Switzerland, 2000

Energy type	Consumption year 2000			
	in TJ	in %		
Mineral oil products	510,360	59.7		
- Mineral oil fuel	217,100	25.4		
- Motor fuels	293,260	34.3		
Electricity	188,540	22.0		
Gaz	95,220	11.1		
Other	61,170	7.2		
- Coal	5,850	0.7		
- Wood	19,970	2.4		
- Long-distance heat	13,280	1.5		
- Refuse	15,740	1.8		
- Other renewable	6,330	0.8		
Total	855,290	100.0		

Source: Swiss Federal Office for Energy



Power generating stations



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46 6.1

Legal forms of companies - comparative overview

	Proprietorship	Partnership	Corporation (AG)	Limited liability company (GmbH)	Branch (operating facility)
Set-up, inception	No special organization files; the proprietorship begins with the start of operations. In certain cases entry in the commercial register is mandatory	No special organization files; no specific form prescribed (written form is customary and recommended) Entry in commercial register (declaratory character)	Formal organization procedure Entry in commercial register	Formal organization procedure Entry in commercial register	Entry in commercial register
Purpose	Operating a commercial enterprise as the sole proprietor	Trade, manufacturing or other business under the name of a company	Trade, manufacturing or other business under the name of a company	Trade, manufacturing or other business under the name of a company	Legally dependent, economically indepen- dent business operation of the main company
Economic	Owner	Partners	Shareholders	Partners	Main company
beneficiary Founder	Swiss or foreign national	Only physical persons. No Swiss national or capital donor or manager required. Only one part- ner must have domicile in Switzerland	At least 3 founding members (legal entities or physical persons)	At least 2 founding members (physical per- sons or legal entities)	Main company
Governing bodies	Owner	Partners	General meeting of shareholders, majority of the board members with domicile in Switzerland (exceptions possible for holding companies) Statutory auditors	At least one partner must be domiciled in Switzerland (foreign nationals possible, power of sole signature)	Managing director with domicile in Switzerland
Liability	Proprietor has unlimited liability (incl. private assets)	Subisidiarily to the company's assets the partners are individually and jointly liable without limitation	Company's assets	Company's assets	Main company is also liable
Minimum capital			CHF 100,000 of which at least 20% of the nominal or CHF 50,000 is paid in	CHF 20,000 of which CHF 10,000 paid in max. CHF 2 million	Endowment capital as decided by main company
Advantages +	+ Simplicity	 + Particularly suitable for small companies + No requirements with respect to nationality of partners 	 + Satisfies requirements of foreign investors + High degree of investor anonymity + No requirement to publish financial statements + Limited liability + Simple transfer of shares 	 + Low minimum capital + Only 2 founders required + No restrictions as to nationality of managing directors + Auditors optional + Limited liability 	 + No own capital required + Low founding costs + No board of directors with Swiss majority prescribed
Disadvantages -	- Liability situation	 Liability situation Social security obligatory 	 Costs Double taxation (income of corporation plus divi- dends to shareholders) 	 More difficult to transfer shares Low structural flexibility 	- No limitation of liability to Swiss branch

Source: Swiss Economy, Data, Possibilities, Chamber of Commerce Switzerland-Austria, 1997; VISCHER Attorneys at law, Basel 2001



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Checklist document planning for setting up a company

Company:	
Inquiry with Swiss Commercial Register concerning availability of company name	
Articles of association	
Information to be provided to notary when company is founded - Company name - Domicile	
 Nominal capital/denomination/paid-in amounts Founders, signatory powers 	
- Board of directors/function/signatory powers	
 Statutory auditors Persons with signatory power 	
- Publication media	
- Draft articles of association or incorporation	
Acceptance letter of statutory auditors	
Confirmation of paid-in capital	
Powers of attorney for representing the founders	
Founders' declaration	
Subscription form	
Qualifying shares declaration	
Proxy agreement, if applicable	
Agreement for contribution in kind	
Statutes	
Shareholder binding agreement, if applicable	
Form 3 Stamp duty on newly issued securities, if applicable (capital over CHF 250,000)	
Share certificates	
Shareholder register	

Source: VISCHER Attorneys at law, Basel; Dr. Hubertus Ludwig

48 **6.2**

Schedule of activities for setting up a company (corporation)

Steps	Requ	ired time	e in wee	ks 1)		
	1	2	3	4	5	6
Preliminary search, registration and approval of the company (name)	*					
Preparation for founding required documents ²⁾		*				
Payment of capital ³⁾			*	*		
Founding of company and preparation of relevant documents ⁴⁾			*	*		
Publication in the official gazette of the Canton					*	
Entry of the responsible person(s) in the corresponding						
registers (commercial register, possibly register of titles)						*
Registration as a taxable enterprise						*

¹⁾ In simple cases, and depending on the Canton of domicile, less time may be required

²⁾ Articles of Agreement, articles of association, registration, etc.

³⁾ Capital contribution at a prescribed depositary (bank). The contributing person must show proof of identity. For foreigners it may be useful to present reference letters of Swiss partners.

⁴⁾ These are:

- Statutes
- Acceptance declaration of statutory auditors
- Confirmation of a recognized depositary (bank) that the share capital has been paid in and is at the free disposal of the company
- If after founding the company does not have own offices: Domicile acceptance declaration

Source: Own representation based on documents of the Industry and Trade Promotion Offices of the Cantons of Schaffhausen and Zug



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Foundation costs for a limited liability company (GmbH)

Assumptions: Domicile to be established in the Canton of Zurich Nominal capital CHF 20,000

Cost items	in CHF
	(approx. amounts)
Notary food	700
Notary fees	
Commercial register fees	800
Preliminary check of document	
Attorney fees	1,800
Total	3,500

Original foundation capital and subsequent increases up to CHF 250,000 are exempt from the Swiss Federal stamp duty on newly issued securities.

Source: Association cleverGmbH

 \mapsto www.swiss-gmbh.org

Additional literature/information:

 \mapsto www.kpmg.ch Comparison of the Corporation with the Limited Liability Company (GmbH), pdf Document

50 **6.2**

Board member fees 1999 (corporations)

Compensation according to functions in CHF

	Function in b	oard of director	S		
	President	CEO	Vice president	Management committee member	Board member
Total average	17,959	13,149	12,724	10,171	10,405
Region German-speaking Switzerland Other parts of Switzerland	17,955 18,001	13,505 7,000	12,867 10,530	10,520 8,582	10,520 12,046
Sector Manufacturing Industry Trade Banking Other services	14,260 20,315 18,508 19,771 17,265	10,636 13,796 12,264 * 15,417	11,079 15,515 11,297 12,704 10,831	6,364 13,316 * 10,597 9,104	8,278 11,925 11,589 7,765 9,795
Employment 1 to 10 11 to 50 51 to 250 251 to 499 500 and over	8,893 12,603 20,247 33,944 40,517	13,237 10,599 13,585 14,883 *	8,728 8,747 12,400 23,325 *	5,207 7,379 10,979 * *	6,067 6,445 10,914 17,405 27,765
Turnover < CHF 2 million CHF 2 to 20 million CHF 20 to 50 million CHF 50 to 300 million > CHF 300 million	8,092 13,949 19,115 34,074 35,844	16,375 10,061 13,969 18,378 *	10,344 9,968 10,931 20,650 *	* 6,846 10,897 18,733 *	7,740 7,512 10,761 17,265 26,333
Structure Parent company Company without subsidiary Subsidiary	27,805 13,147 13,542	19,958 9,468 8,021	19,966 8,820 10,008	13,177 7,378 *	15,627 7,103 8,750
Family enterprise Non-family enterprise	18,603 17,161	13,715 12,335	11,851 13,599	9,642 10,715	10,276 10,581

* Fewer than 8 inputs

Source: BDO Visura └→www.visura.com





Commercial Registry Office of the Canton of Zurich

Instruction sheet

Formal supporting documentation requirements for commercial registration

1. Application

Entry in the commercial register is basically made by means of an application accompanied by the legally prescribed supporting documents. Persons whose duty it is to make the application are responsible for ensuring that all details that have to be entered be declared to the Commercial Registry Office. Anyone causing a Commercial Registrar to enter a false registration or who conceals a detail that has to be entered may be liable to prosecution (Art.153 StGB).

The application is a written declaration made by the applicants to the Commercial Registry Office by means of which the entry in the commercial register of a given fact (establishment, amendment to the Articles of Association, personnel changes, etc.) is requested. The signatures of the applicants have to be notarised. Signatures appended to a subsequent application, however, need to be authenticated only if they have not already been previously submitted for the same firm, unless the Registrar has reason to doubt their authenticity (Art. 23, paragraph 2, HRegV).

The application is to be signed by the following persons:

 Individually- owned firm: 		The owner.		
General partnership and limited partnership:		All partners; except: certain personnel changes (cf. Art. 566 CO).		
 Limited liability company: 		All managers; except: deletion of a "prokura" possible by one manager alone (Art. 816 CO). Prokura is a special power of altorney granted to a person under the provisions of the CO (Art. 458).		
Joint stock company, cooperative:	- A new entry:	All members of the Board.		
	- Other applications:	Chairman (or vice- chairman) of the Board plus one other member. The functions must be clearly indicated by the Commercial Registry entry or the supporting documentation.		
 Association, foundation: 	 A new entry: 	Chairman (or vice- chairman) of the board of administration or board of trustees plus one other member plus all members of the board of administration or board of trustees authorised to sign.		
	- Other applications:	Chairman (or vice- chairman) of the board of administration or board of trustees plus one other member. The functions must be clearly indicated by the Commercial Registry entry or the supporting documentation.		
Branch:		Basically, signature by the persons named above for the respective legal forms will suffice. The Commercial Registry Ordinance provides for simplifications in various cases (cf. Art.72 et seq. HRegV).		

For all legal forms, the change of business location (the address) within the political municipality can be announced by any of the persons entered in the Commercial Registry as authorised to sign for the firm and changes in details concerning the names, place of citizenship (nationality) or residence of a person entered in the commercial register may be made by such person personally (Art.25 HRegV).

If a legal person does not announce to the Commercial Registry Office the departure of a person whose entry in the Register is required, the person in question may, 30 days after departing the company, make the declaration himself. To this end, he must submit the necessary evidence (Art.25a HRegV). In such cases, the Commercial Registry Office of the Canton of Zurich demands advance payment pursuant to Art.21, paragraph 3, of the Commercial Registry Fees Ordinance.

2. Corporate signatures

Persons authorised to represent a company must deposit their notarised corporate signatures with the Commercial Registry. The company designation shall accompany the signature (Art.26, paragraph 1, HRegV). The corporate signature can be provided on the application form (which is the normal way) or on a securite signature sheet.

3. Public deeds

Public deeds are to be submitted in the original or as notarised copies.

4. Minutes

Insofar as the law does not prescribe a public deed, decisions or elections of the organs of a legal person are to be recorded in a set of minutes. These can be submitted as:

- notarised extracts from the minutes according to Art.28, paragraph 2, HRegV (also so-called partial or separate minutes are to be certified);
- a full set of minutes (containing all items on the agenda) which is signed by the minutes secretary in his original hand; here, in the case of the minutes of the board of directors of a joint-stock company, the signature of the chairman of the board is also necessary;
- a decision adopted by circular (board of directors, administration, board of administration, board of trustees, etc. but not, however, general meeting of shareholders) which can also be submitted in the form of an application.

5. Articles of Association (or Incorporation)

The articles of association of a joint- stock company, a corporation with unlimited partners or a limited liability company are to be certified by the person authorised to issue, incofar as they do not form either an integral part of the public deed concerning the founding of the company or a total revision of the articles. If a decision concerns but a partial revision of the articles, it will suffice to submit an uncertified copy of the articles in the updated form along with the public deed. Articles of association of co-operative societies and associations are to be signed by the chairman and secretary of the constituent assembly or general meeting which adopts the changes (Art.28, paragraph 4, HRegV).

6. Declaration of acceptance of results of an election

The following possibilities exist for proving the acceptance of the results of an election in an organ of a legal person:

- a written declaration of acceptance of results of an election addressed to the company;
- joint signing of the minutes of the electoral meeting;
- joint signing of the of the Commercial Registry application.

7. Statement of resignation

The following possibilities exist for proving a resignation from an organ of a legal person:

- a letter of resignation addressed to the company;
- joint signing of the of the Commercial Registry application.

Should it be obvious beyond any doubt from the minutes of a general meeting of shareholders or of the administration that the person concerned has submitted his resignation to the company, a separate statement of resignation may be waived.

8. Certifications

Application signatures, company signatures, copies, extracts and duplicates of supporting documents have to be certified. The certification has to be effected by a notary or some other person authorised to issue deeds, and certifications effected in a foreign country are to be counter-certified by the relevant Swiss diplomatic or consular representative or by Apostille. The foregoing is subject to any special regulations applicable under international conventions.

Certification of signatures requires the declaration of first and last name, year of birth, any academic titles, nationality (in the case of Swiss nationals, their place of citizenship) and place of residence (political municipality). An identification document recognized under civil status legislation, such as a passport, identity card or allen's residence permit, is required. Presentation of a driving licence will not suffice.

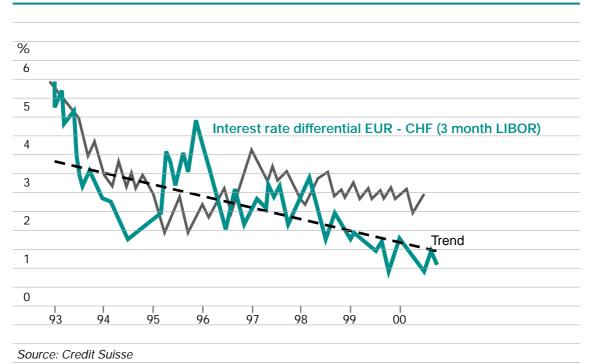
9. Translations

Important documentary evidence such as articles of association, public deeds, contracts relating to contributions in kind and acquisition of assets, merger contracts, auditing, founding and capital augmentation reports and dispositions on death are to be submitted both in the original foreign language and in German translation. Other documentary evidence need not, as a rule, be submitted in translation provided that it is couched in easily understandable French, Italian, Romansch or English.

Translations are accepted only if done by qualified translators (e.g. qualified interpreter, sworn translator, translator admitted by a Swiss court, university graduate of the relevant mother- tongue, holder of a diploma from a language course recognized under public law). The translator shall, by stating his qualification and appending his notarised (and if necessary counter- certified) signature (indicating first and last name, profession, and place of origin and residence), certify that the translation is a true and proper translation of the version in the foreign language.

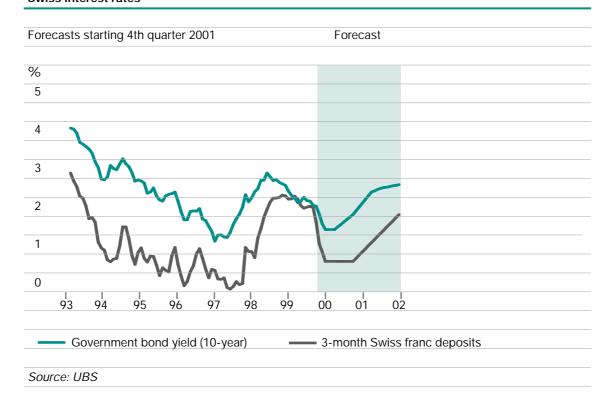
E2004E01.SAM/ 22.11.1999 Ze / & Commercial Registry Office of the Canton of Zurich





EC-Switzerland: Interest differential and exchange rates





54 **7.3**

Promotion of venture capital

The new Federal law on venture capital companies (RKG) supports the provision of venture capital in two different directions:

- When a recognized venture capital company is founded or its capital is subsequently increased, it is
 exempt from the 1% stamp duty on newly issued securities. These companies also enjoy advantages in
 the form of a lower threshold value for claiming the equity participation deduction on the Federal tax
 return. The new or young companies receiving the venture capital must have their domicile or actual
 administration as well as major portions of their operational activities in Switzerland, may not be "older"
 than 5 years and not be owned by any company having more than 100 employees.
- Private persons functioning as business angels (BA) who assist in the foundation and development of new companies are entitled to relief from the Federal Tax. If they tap into their private assets to grant subordinate loans for the foundation and start-up of companies, they can take a lump-sum deduction of max. 50% of the loan amount (which must be at least CHF 50,000), but not to exceed CHF 500,000 over a period of 10 years. If losses are incurred the BA can deduct an additional 50% of the loan from the taxable income which can increase the maximum possible deduction to CHF 750,000.

Additional measures are being planned such as further relief to venture capital providers. The Federal Parliament has adopted a reduction of the minimum nominal share value from CHF 10 to just one centime (0.01 CHF), in context of the law on mergers.

→ www.kmuinfo.ch Task Force KMU (SME) of seco State Secretariat for Economic Affairs

→ www.admin.ch/ch/d/sr/c642_15.html Detailed text of the law on venture capital

Additional literature: Location: Switzerland, Internal study with overview of VC institutions by Cantons (2000)

7.4

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SWX Swiss Exchange

Fact sheet (Status: January 2002)

1. The SWX Swiss Exchange

The SWX is one of most technologically advanced securities exchanges in the world. It boasts not only an extensive product range, but also a fully integrated electronic trading, clearing and settlement system which is still the only one of its kind in the world. With a single mouse-click, trading, payment, settlement and confirmation are completed in the space of two minutes. Participants benefit from moderate transaction costs and low error rates.

2. The SWX Group

The SWX Swiss Exchange operates internationally through its shareholdings (the SWX Group). It offers integrated solutions in specific market segments on a cross-border basis: Eurex is the world's number-one derivatives exchange, virt-x is the first pan-European exchange for integrated trading in blue chips, STOXX has established its index family as the benchmark and EXFEED is a provider of high-quality raw financial data.

3. Meeting point for investors and companies requiring capital

Underpinned by the strength of the Swiss financial marketplace, the SWX Swiss Exchange brings together participants, issuers and investors and ensures excellent liquidity. It regularly holds conferences, forums, panel discussions and workshops, thereby promoting an understanding of the capital market.

4. Various segments with specific profiles ensure increased visibility

Issuers can choose from five different segments, each of which has its own regulations: the main market (for the greater part of the Exchange-traded securities), the segment for investment companies, the SWX New Market (for rapidly growing companies in future-oriented sectors), SWX Local Caps (for companies with local significance or a limited circle of investors) and the segment for real estate companies.

5. The SWX New Market - the sector-oriented growth segment

The SWX New Market was created for young growth companies operating in future-oriented sectors such as life sciences (pharmaceuticals, medicine, biotechnology, etc.), information technology (Internet, software, telecommunication, multimedia, etc.) and micro- and nanotechnology. In these areas, Switzerland boasts an excellent network of relationships between the worlds of academe, science, industry and finance and is among the global leaders in many subsectors.

The SWX New Market is geared toward rapidly growing Swiss and foreign companies requiring large amounts of capital. Being listed in Switzerland is particularly interesting to foreign issuers, since investors tend to diversify their portfolios internationally, emphasizing quality rather than origin.

6. An IPO in Switzerland offers companies the following advantages:

- Access to a broad international group of investors
- Market participants (investors, analysts, fund managements, media) with sector-specific expertise
- · High visibility and low market-entry costs and service fees
- · High market liquidity and a technologically highly advanced trading platform
- Special attention to foreign issuers

→www.swx.com

56 **8.1**

Maximum: 10 = excel	lent	
Finland	8.0	
Switzerland	7.9	
Ireland	7.9	
Netherlands	7.8	
Sweden	7.6	
USA	7.0	
Germany	6.9	
Singapore	6.9	
Austria	6.6	
France	5.9	
Italy	5.5	
		0 2 4 6 8 10

Source: IMD The World Competitiveness Yearbook 2001, Tab. 2.3.02



Industry labor costs by international comparison

One of the accepted truths about Switzerland is that labour costs are high. Statistics confirm this notion, traditionally placing the country towards the top end in international wage comparisons. Over the last few years, however, the situation in Switzerland has begun to ease. According to the annual survey published by the Cologne-based Institute for Business Research, industrial labour costs in Switzerland have risen only 2 % overall since 1996, much more slowly than in other industrialized countries, as wage settlements have remained moderate and companies have not been faced with additional social insurance costs.

According to the latest comparison, Norway, Japan and Germany had higher labour costs in 2000 than Switzerland, where the average hourly wage was CHF 36.60.

	in CHF per hou	ır
Norway	39.32	
Japan	38.47	
Germany	38.39	
Switzerland	36.64	
Denmark	36.59	
Belgium	36.09	
Sweden	34.61	
USA	33.99	
Finland	32.93	
Netherlands	32.56	
Luxemburg	32.53	
Austria	31.66	
Great Britain	29.29	
France	28.46	
Canda	27.98	
Italy	24.36	
Australia	22.69	
Ireland	22.62	
Spain	21.87	
Greece	13.14	
Portugal	10.29	
		0 5 10 15 20 25 30 35 40
		Direct wages Additional costs

Industrial labour costs 2000 compared internationally

Switzerland has one advantage in that, although the country is third highest in terms of wages paid (behind Denmark and the US), non-wage labour costs are kept within acceptable limits. These costs, which include employer social security contributions, paid holidays and sick leave, add an extra 52 % to direct wages in Switzerland as against an unweighted average of 61 % for all industrialized nations. Moreover, since productivity in Switzerland is relatively high, taxation moderate and capital cost low, it is a very attractive and highquality place to do business.

Source: UBS Outlook 2/2001; Institute of the German Economy Cologne, exchange rate conversions by UBS

58 **8.2**

Ancillary labor costs

A) Wage-dependent social benefit contributions by the employer ¹⁾

Wage costs per hour worked100.0 %							
Social benefits paid in the for	m of wages						
Paid vacation		20-25 days	9.0 %				
Paid holidays		approx. 10 days	4.2 %				
Paid education leave		approx. 4 days	1.5 %				
Paid sick days		approx. 10 days	4.0 %				
Year-end bonus	1	3th month wage	8.3 %				
Total			27.0 %				
Total wage cost and social be	nefits paid in the form of	wages:	127.0%				
Additional social benefits paid		Rate: 5.05 %	of 127% 6.4 %				
Statutory social security	AHV, IV, EO						
Statutory unemployment ins.	ALV	1.5 %	1.9 %				
Statutory pension plan	BVG	6.0 %	7.6 %				
Accident insurance	UVG (BU = occupational, NBU = non-occupationa		2.5 %				
Family allowance	FAK	1.5 %	1.9 %				
Total			20.3 %				
Wage costs plus additional sc	ocial benefits per hour wo	rked:	120.3%				
Summary							
The wage costs and social be	nefits per hour worked ar	e:					
Wage cost Social benefits paid in form of Additional social benefits		100.0 % 27.0 % 20.3 %					
Total social benefits			47.3 %				

¹⁾ Approximate values; can fluctuate by region, company, tariff agreement and workforce structure

Continued on next page >

8.2

B) Wage and wage-dependent social benefits		
Determined on the basis of the monthly wage		
Wage costs		
Monthly salary		100%
Social benefits paid in the form of wages		
Paid vacation	20-25 days	9.0 %
Paid holidays	approx. 10 days	4.2 %
Paid education leave	approx. 4 days	1.5 %
Paid sick days	approx. 10 days	4.0 %
Year-end bonus	13th month wage	8.3 %
Total		27.0 %
Additional social benefits paid by employer		
Statutory social security	AHV, IV, EO	Rate: 5.05 %
Unemployment insurance	ALV	1.5 %
Statutory pension plan	BVG	6.0 %
Accident insurance	UVG	2.0 %

Total

Summary

Family allowance

Based on the monthly wage the annual wage and social benefit costs for an employee can be budgeted as follows:

FAK

1.5 %

16.05 %

(Monthly salary x 13) x 1.16

These values are approximate and can differ by region, sector, company type, workforce structure as well as collective and/or individual employment agreements.

Status: January 2002

Source: Dürst Personalkontakte, CH-8704 Herrliberg/Zurich See Chapter 10 Human capital

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GDP per worker p	er hour	
	in USD	
Japan	39.61	
Denmark	39.41	
USA	38.52	
Switzerland	33.24	
France	35.11	
Germany	30.58	
Ireland	30.54	
Italy	29.91	
Austria	29.86	
Sweden	29.55	
Great Britain	27.84	
Netherlands	27.65	

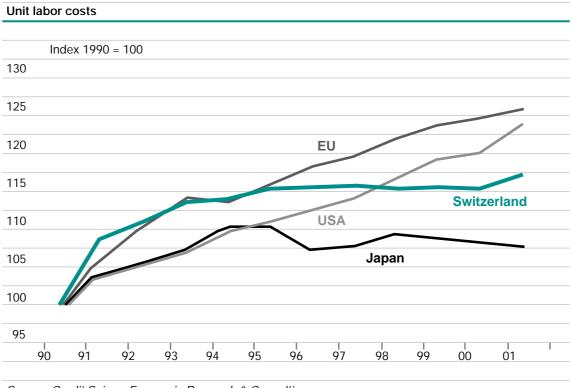
Source: IMD The World CompetitivenessYearbook 2001, Tab. 3.1.05 → www.imd.ch/wcy.htm



Industry labor productivity 2000 GDP per person employed in industry in USD Norway 103,912 USA 85,911 Netherlands 81,328 Switzerland 75,416 72,610 Japan Denmark 69,908 Sweden 68,645 Finland 67,854 Great Britain 62,018 France 57,439 Austria 53,210 Italy 47,399 Germany 45,030 20,000 40,000 60,000 80,000 100,000 | 0

Source: IMD The World Competitiveness Yearbook 2001, Tab. 3.1.09

62 **8.2**



Source: Credit Suisse, Economic Research & Consulting

Working hours, vacation/holidays in international comparison

Country	Annual hours	Vacation and paid holidays	Weekly hours worked
	hours	days	hours
Switzerland	1856	31	40.5
USA	1824	25	39.2
Ireland	1794	35	40.8
Great Britain	1785	38	38.4
France	1780	35	38.2
Italy	1746	39	39.5
Belgium	1740	32	37.6
Germany	1683	43	37.8
Netherlands	1652	39	36.8

Source: Economic Promotion Geneva, International Comparisons 2001, based on: Corporate Consulting & Technology (CC&T), Galileo Group, Geneva, June 2001



Labor conflicts								
	Strike days	oer						
year and 1000 inhabitants								
	.							
Luxemburg	0.0							
Austria	0.0							
Switzerland	0.4	I.						
Japan	0.7	1						
Germany	1.0	1						
Great Britain	4.1							
Nederlands	4.8							
USA	7.3							
Belgium	8.5							
Sweden	8.9							
France	11.9							
taly	15.9							
Denmark	17.3							
Spain	38.2							
Ireland	57.5							
		0	10	20	30	40	50	60

Source: ILO Yearbook of Labor Statistics 2000; IMD The World Competitiveness Yearbook 2001, Tab. 3.2.08

Range of gross wages in Switzerland

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The following approximate values can be taken as a guideline for gross wages in Switzerland:

Position	Gross wage based or	Gross wage based on 13 monthly salaries			
	in EUR	in CHF(0,68 EUR)			
Managing director of a medium sized company	from 115,600	from 170,000			
Department manager of a production department with over 100 employees, many years of experience	from 100,640	from 148,000			
Credit administrator with 10 years of experience, with family	70,040 - 81,600	103,000 - 120,000			
Engineer Advanced technical college or university degree, five years experience	51,680 - 78,880	76,000 - 116,000			
Secretary of a department manager 1 foreign language, age approx. 25 years	38,760 - 48,960	57,000 - 72,000			
Skilled worker in industry with ten years experience	41,480 - 53,040	61,000 - 78,000			
Unskilled worker Age approx. 25 years	27,200 - 33,320	40,000 - 49,000			

Source: Dürst Personalkontakte, CH-8704 Herrliberg/Zurich

See 8.2 Labor costs: Annual compensation of top management by international comparison

Additional literature/information:

• Periodic official publications on wage level and structure by sectors and regions:

→ www.admin.ch/bfs Swiss Federal Statistical Office, wage structure survey (every 2 years)

 International wage level comparison see "Prices and wages around the world. An international purchase power comparison", UBS 2000



Annual compensation of top management by international comparison

Companies with an annual turnover of over USD 250 million (2000), incl. employer contributions

Director (chief executive officer, managing director), top positions in the corporate hierarchy

Country	Wage	Basic	Incentive	Total	Performance	Employer	Other
	costs to	gross	bonuses	salary	bonuses	contributions	compen-
	employer	salary					sation
	(7) =	(1)	(2)	(3) =	(4)	(5)	(6)
	(3+4+5+6)			(1)+(2)			
				in USD	•		
Ireland	154,944	80,518	22,545	103,063	13,824	29,888	8,169
Netherlands	294,568	153,829	47,687	201,516	11,480	64,082	17,490
Belgium	295,178	142,039	48,293	190,332	22,197	72,633	10,016
Italy	340,891	174,728	62,902	237,630	20,656	73,524	9,081
France	362,567	164,517	62,516	227,033	20,803	86,955	27,776
Switzerland	394,445	241,339	82,055	323,394	15,840	43,271	11,940
Great Britain	398,166	199,062	103,512	302,574	37,360	34,251	23,981
Germany	419,583	176,630	79,483	256,113	15,289	135,740	12,441
USA	722,341	334,235	210,568	544,803	105,136	20,712	51,690

(1) All fixed salary elements, incl. 13th month pay and vacation

(2) Performance component 2000 or 2001, based on performance result 2000

(4) Long-term performance incentives 2000 or 2001, based on performance 2000. Calculation basis comprises share options, bonus shares, subscription rights or cash payments

(5) Social insurance, statutory pension plan

(6) Total of employer payments for private pension plan, life insurance and disability insurance, medical costs, etc. In kind payments such as company car, club memberships, etc.

Source: Economic Promotion Geneva, International Comparisons 2001, based on: Corporate Consulting & Technology (CC & T SA.), Galileo Group, Geneva, May 2001

66 8.3

Lease prices for office and industrial premises, interregional comparison

Price example for business premises

Location region	Office space Rent per m2 in CHF/year		
	from*	to*	
Agglomeration Zurich	120	300	
Suburban area of Zurich	125	295	
City of Zurich	175	490	
Agglomeration Berne	110	235	
Suburban area of Berne	120	240	
City of Berne	145	325	
Agglomeration Basel	110	240	
Suburban area of Basel	110	240	
City of Basel	150	290	
Agglomeration Lake Geneva	125	295	
Suburban area Lake Geneva	150	360	
City of Geneva	195	445	
City of Lausanne	150	275	
Suburban area of St. Gallen	65	195	
City of St. Gallen	125	240	
Canton Ticino	115	245	
Average for Switzerland	120	310	

	Industrial/Commercial premises Rent per m2 in CHF/year	
	from*	to*
Agglomeration Zurich	70	195
Suburban area of Zurich	70	200
City of Zurich	75	330
Agglomeration Berne	60	195
Suburban area of Berne	70	180
City of Berne	65	270
Agglomeration Basel	50	200
Suburban area of Basel	55	200
City of Basel	70	235
Agglomeration Lake Geneva	70	210
Suburban area Lake Geneva	80	215
City of Geneva	85	315
City of Lausanne	60	240
Suburban area of St. Gallen	105	200
City of St. Gallen	50	200
Canton Ticino	65	210
Average for Switzerland	60	215

Continued on next page >



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* 10% quartile and 90% quartile

Source: Raum Information Wüest & Partner AG, Zurich, 2002

Office space: availability

Comparison of office space markets in European cities						
	Vacancy rate					
Amsterdam	2.1%					
Barcelona	2.4%					
Berlin	7.8%					
Frankfurt	4.5%					
Geneva	3.0%					
Hamburg	5.0%					
London	3.0%					
Madrid	2.0%					
Milano	4.0%					
München	1.5%					
Paris	1.6%					
Rome	4.0%					
Vienna	1.8%					
Zurich	1.5%					

Source: Colliers International (2001)

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Office costs by international comparison (Switzerland, based on the example of Geneva)

Minimum rental costs per year in USD per m2 for offices in business district, incl. ancillary costs

The total costs comprise the rent, various taxes and duties, VAT and conversion factor. This allows realistic comparison of rented premises and eliminates country-specific allocation differences (e.g. for common areas such as staircase and elevator which often are included in the calculation of the rented space).

	Offices in business districts							
City	Minimum annual rent per m2	Conversion factor	Dues	Taxes	VAT	Minimum total space costs		
	Min. USD	(London = 100)	%	%	%	Min. USD		
Brussels	211	0.83	14.0	16.0	0.0	321		
Geneva	419	1.00	8.0	0.0	0.0	452		
Amsterdam	271	1.00	10.0	1.0	17.5	348		
Milan	352	0.91	10.0	0.0	20.0	503		
Munich	324	0.93	8.5	1.1	16.0	438		
Dublin	466	1.00	12.0	10.0	21.0	666		
Frankfurt	498	0.93	8.5	1.1	16.0	672		
Paris	650	1.00	10.0	6.0	20.6	888		
London	1,261	1.00	8.5	28.5	17.5	1,948		

VAT according to local conditions, not systematically recorded.

Note:

The prices are not representative for prestige buildings and locations such as:

• Air-conditioned and fully equipped offices with an area over 1000 m2 in city center or business centers

Retail sales areas over 140 m2 in shopping malls

• Industrial building with at least 6 m ceiling height as well as space units over 1500 m2

Source: Economic Promotion Geneva, International Comparisons 2001, based on S. Schofield & Partners Corporate & Investment Real Estate Services (CIRES), Geneva June 2001

8.4

Energy prices

Light fuel oil prices for industry, 4th Quarter 2001

Country	Light fuel oil in USD / 1000 Liters ¹⁾		
USA Switzerland Belgium Great Britain Japan France Ireland Sweden Germany Denmark Italy	212.5 234.0 254.6 257.5 258.4 273.4 273.4 273.4 273.4 297.7 359.3 599.2		
Total OECD	258.8		

¹⁾ incl. duties and taxes

Source: International Energy Agency, Energy Prices and Taxes, 4th Quarter, 2001

Premium unleaded gasoline prices (95 RON), 4th quarter 2001

Country	Premium unleaded gasoline (95 RON) in USD / litre $^{\eta}$
USA	0.490
Ireland	0.739
Switzerland	0.815
Austria	0.839
Belgium	0.940
Germany	0.950
Italy	0.963
France	0.965
Sweden	0.966
Denmark	1.020
Netherlands	1.063
Great Britain	1.105
Total OECD	0.621

¹) incl. duties and taxes

Source: International Energy Agency, Energy Prices and Taxes, 4th Quarter, 2001

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Industrial electric power prices, international comparison

Price comparison, Industrial consumer, category le*) as per July 1st, 2001, before VAT

Industrial Cons		sumer	Industrial Consumer				
Country	Cents ⁴⁾ /k	Wh	cEUR / kWh				
Belgium	11.30		7.69				
Denmark	9.28		6.31				
Germany	10.61		7.22				
Greece	8.67		5.90				
Spain	8.50		5.78				
France	8.10		5.51				
Ireland	9.73		6.62				
Italy	15.48		10.53				
Luxemburg	10.67		7.26				
Netherlands	9.64		6.56				
Portugal	9.57		6.51				
Finland	6.23		4.24				
Sweden	5.51		3.7	'5			
Great Britain	10.20		6.94				
EU ^{1) 2)}	9.31		6.33				
Switzerland ³⁾	14.04		9.55				
*) Industrial Standard Consumer, EU Type le							
Definitions:							
Annual consumption 2,000,000 kWh							
Voltage applied 10 - 20000 Volt							
Consumer type le according EU EUROSTAT							
VAT excl.							
Exchange rate EUR / CHF 1,47							
Target-date 01.07.2001							
Details:		kWh/kW	summer	winter			
Consumption during peak-hours		kWh	600,000	600,000			
Consumption "off-peak" hours		kWh	400,000	400,000			
Maximum power demand		kW	500	500			

Typical Industrial Standard Consumer, EU Type Ie: Pharmaceutical production, 50 employees, airconditioned building Small sized IT center Mechanical engineering company, 50 employees Mid sized bakery, electrical ovens Small sized galvanising plant, electrical furnace Mid sized hotel, 80 - 100 beds Cold-storage plant

¹⁾ Source: Eurostat

- ²⁾ unweighted average
- ³⁾ unweighted average, 28 communities
- ⁴⁾Cent = 0,01 CHF/0,0068 EUR

Source: Enerprice → www.enerprice.ch

8.5

Downsizing costs

Statutory notice periods (2000) in months for an employee with 8 years of service

The information relates to office personnel with open-ended employment contract. Additional regulations may be applicable in areas with collective employment agreements.

Country	Notice period in months
Ireland	1
Great Britain	1.8
Switzerland	2
France	2
Germany	2
USA (1)	2
Italy	3
Belgium (2)	6
Netherlands	24

Notes:

(1) USA: Minimum notice period mandatory for companies with 100 and more employees. For smaller companies there is no statutory minimum but in practice it is 2 weeks.

(2) Belgium: For employees with an annual salary of max. USD 24,369 (BF 911'000).

Source: Economic Promotion Geneva, International Comparisons 2001, based on: Corporate Consulting & Technology (CC&T), Galileo Group, Geneva, June 2001

Notice period in m	onths	
Ireland	1	I
Great Britain	1.8	-
Switzerland	2	
France	2	-
Germany	2	-
USA (1)	2	
Italy	3	
Belgium (2)	6	
Netherlands	24	
	ma	onth 0 2 4 6 8 10 12 14 16 18 20 22 24

Source: Economic Promotion Geneva, International Comparisons 2001, based on: Corporate Consulting & Technology (CC&T), Galileo Group, Geneva, June 2001

 \mapsto www.imd.ch/wcy.htm

72 8.6

Time spent for government-related administrative tasks - country comparison

In hours per month

Time spent for	Switzerland	Germany	Austria
Social insurance	19.49	24.81	24.49
Taxes and duties	12.85	29.38	27.50
Statistical	2.69	4.77	4.05
Permits	15.42	56.64	56.85
Environmental protection	4.05	5.86	6.39
Total	54.50	121.46	119.28
Index (Switzerland = 100)	100	223	219

Source: "Die Volkswirtschaft – Magazin für Wirtschaftspolitik" 8/2000, S.7

Fact sheet structuring principles

based on the example of a company or an entrepreneur from Germany in Switzerland

1. Preliminary remarks

The objective of tax planning is to lower the long-term overall tax burden (to the entrepreneur). National tax laws partially seek to impose limits on tax planning, e.g. in that sole proprietorships are not recognized under tax law, or by making the domicile change to a foreign country a tax event. Important principles for suitable structuring are outlined below based on a company or entrepreneur from Germany. It would apply analogously to numerous other countries.

First it is necessary to determine the domicile of the entrepreneur. In the following we differentiate between the entrepreneur having domicile in Switzerland and domicile in Germany.

2. Domicile of the entrepreneur

2.1 In Switzerland

The domicile of the entrepreneur, i.e. the focal point of his/her life, must be located in Switzerland. The taxation is then principally governed by Swiss law. German tax law is applicable only in exceptional situations. Exceptions apply only to assets and income components that are still located in Germany (e.g. Company or real estate). However, if the German tax authorities come to the conclusion that the focal point of life is still in Germany, the Swiss (tax) domicile will not be recognized.

The departure from Germany has the effect that departure taxes must be settled via the (German) tax substrate to which the German tax authorities will in future no longer have any access. This departure tax is payable even though the taxpayer does not realize any income.

2.2 In Germany

If the entrepreneur remains in Germany and retains the focal point of his/her life in Germany, it is first necessary to determine whether the investment in Switzerland is recognized for tax purposes. To prevent unwanted tax saving models, Germany has implemented a non-resident tax law which unilaterally does not recognize certain (tax-related) structures. For example, if a corporation (AG, SA) is founded in Switzerland and more than 50% of the shares are owned by German nationals whose tax rate is below 25% under German tax law and whose income is passive according to Germany interpretation, the Swiss joint stock company will a priori not be recognized for tax purposes and the net income is added to the German company or entrepreneur, subject to a deduction for Swiss taxes paid. As the tax in Switzerland is practically always below 25% from the German viewpoint, the type and nature of the income - passive income - is decisive. Passive income comprises dividends, interest and licenses, but under German tax law the catalog is so broad that a thorough investigation is required, whether or not the structure will be upheld under German non-resident tax law.

Assuming that the structure is upheld by the German non-resident tax law, decisive is whether the German investor is a joint stock company or a partnership.

Continued on next page >

3. Legal form of the company

3.1 Joint stock company

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The Swiss joint stock company (AG, SA or GmbH) is owned by the German joint stock company. Profits of the Swiss joint stock company are initially taxed in Switzerland according to the Swiss tax system. When dividends are paid, the anticipatory tax is deducted which, based on the double taxation convention with Germany, is reduced to zero from 1st of January 2002 on (20% shareholding). In Germany the dividend is largely exempted with the framework of the intercompany tax concession. Even the sale of the Swiss joint stock company is largely exempt from taxes in Germany. However, if the profit of the German company is distributed to the entrepreneur, the dividends are again taxed under the Germany tax code.

3.2 Partnerships

The German partnership owns (under tax law) a branch in Switzerland. Branches of German partnerships are treated in Switzerland in the same manner as joint stock companies. Profits can be repatriated to Germany without anticipatory tax and Germany does not separately tax the profit of the branch, i.e. the profit is earned directly by the German entrepreneur and is taxed only once. If the partnership would set up its operation in Switzerland in form of a joint stock company (AG, SA or GmbH), the tax burden in Switzerland would be largely similar, however, the dividend payment to Germany would again be taxed under German tax law which in effect amounts to double taxation.

4. Summary

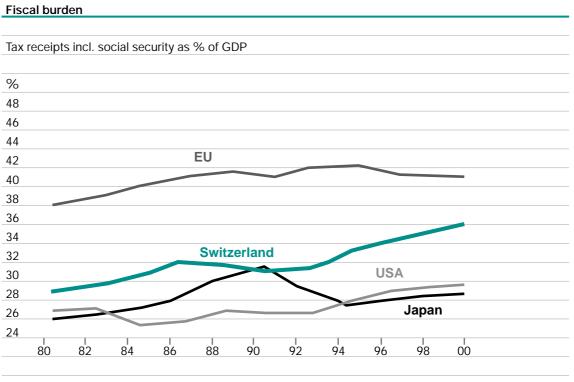
The statements above have been s trongly simplified. Tax regulations have become so complex that consultation with a specialist is advisable before any investment is made. The problems occur not so much in Switzerland but rather in the foreign country, i.e. in conjunctions with the foreign tax system the basically advantageous Swiss tax system may have the opposite effect.

5. Bibliographical note

Oberson, X./Hull, H. Switzerland in International Tax Law, IBFD Publications, 1996

Author: Dr. Hubertus Ludwig, VISCHER Attorneys at Law, January 2002





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Source: Credit Suisse

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Tax regime based on company type and fiscal jurisdiction

Company	Swiss Federation	Cantons/Munici	palities
	Profit	Profit	Capital
Operating company	N+	N+	N+
Holding company	V	V	V
Domiciliary company	Ν	V	V

N Normal taxation

N+ As a rule normal taxation, relief for new companies for a max. period of 10 years possible (at Federal level: only in the economic renewal areas according to ordinance of Oct. 6, 1995)
 V Relief or exemption

Tax burden in Switzerland: Corporations

Case study (Canton: Basel-City BS)

	Income tax rate	Capital tax rate
Direct Federal tax	8.5 %	
Cantonal tax (max. rate)	24.5 %	0.5 %
Total	33.0 % = CHF 99,000	0.5 % = CHF 2,500
Net operating result before taxes	401,500 CHF	
Less income and capital tax	101,500 CHF	
Annual net income after tax	300,000 CHF	
Taxes in % of		
operating income before taxes	25.28 %	

Source: Dr. Hubertus Ludwig, VISCHER Attorneys at Law, Basel

Tax burden in Switzerland: Corporations, intercantonal comparison 2000

Taxation of net income of an operating corporation, capital and reserves 2,000,000 CHF and annual net income 400,000 CHF $^{1\!j}$

Capitals of Cantons	Relevant net income in CHF		Amount of tax in CH	F
		Canton and Community	Confederation	Total
Zurich	295,100	79,819	25,083	104,902
Berne	307,700	66,151	26,154	92,305
Lucerne	313,700	59,647	26,665	86,312
Altdorf	301,600	72,824	25,636	98,460
Schwyz	308,400	65,425	26,214	91,639
Sarnen	315,300	57,886	26,800	84,686
Stans	315,400	57,741	26,809	84,550
Glarus	294,400	80,609	25,024	105,633
Zug	329,300	42,668	27,990	70,658
Fribourg	292,700	82,478	24,879	107,357
Solothurn	298,800	75,819	25,398	101,217
Basel	294,600	80,409	25,041	105,450
iestal	298,000	76,715	25,330	102,045
Schaffhausen	300,000	74,520	25,500	100,020
lerisau	303,600	70,631	25,806	96,437
Appenzell	315,500	57,695	26,817	84,512
St. Gallen	313,800	59,556	26,673	86,229
Chur	305,900	68,018	26,001	94,019
Aarau	303,500	70,757	25,797	96,554
rauenfeld	310,000	63,697	26,350	90,047
Bellinzona	311,100	62,398	26,443	88,841
_ausanne	290,400	84,979	24,684	109,663
Sion	292,400	82,743	24,854	107,597
Veuchâtel	268,300	108,834	22,805	131,639
Geneva	297,200	77,539	25,262	102,801
Delémont	303,200	71,064	25,772	96,836

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¹⁾ Annual net income before taxes paid in fiscal year

Source: Swiss Federal Tax Administration, Tax burden in Switzerland 2000, Capitals of Cantons www.estv.admin.ch/data pdf document (German only)

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Taxes in % of net operating income

in % of net income b	efore taxes, 199	9							
Germany	53.00								
France	40.00								
USA	40.00								
Portugal	37.40								
Italy	37.00								
Netherlands	35.00								
Spain	35.00								
Austria	34.00								
Denmark	32.00								
Ireland	32.00								
Great Britain	31.00								
Switzerland	31.00								
Finland	28.00								
Norway	28.00								
Sweden	28.00								
		%0	10	20	30	40	50	60	

Source: IMD, The World Competitiveness Yearbook 2001, Tab. 2.2.07

International tax burden comparison for physical persons

Assuming non-itemized deductions and equivalent income levels the tax burden in Switzerland and Germany results in the following comparison:

Switzerland: Physical person, married, no kids, no additional income (example: Canton Basel City BS, 2001)

		in CHF	
Gross income	100,000	150,000	200,000
Itemized deductions *	- 11,550	- 17,109	- 22,634
Net income	88,450	132,891	177,366
Lump-sum deductions **	- 8,400	- 8,400	- 8,400
Taxable income	80,050	124,491	168,966
Taxes Switzerland			
- Total in CHF	14,907	29,511	46,817
- in % of gross income	14.9	19.7	23.4
* Itemized deductions = actual expenditure	** Non-itemized deducti	ions:	
(see Chapter 10.3):	Travel to work	500	
5.05% AHV/IV/EO	Gen. professional exper	nses 700	
	Insurance	1,000	
1.50% ALV I			
	Family exemptions	6,200	
1.50% ALV I 1.00% ALV II 5.00% Pension plan	Family exemptions	6,200	
1.00% ALV II 5.00% Pension plan	Family exemptions	6,200	
1.00% ALV II	Family exemptions		
1.00% ALV II 5.00% Pension plan Germany: Physical person, married		in EUR	
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income	65,000	in EUR 97,500	130,000
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount		in EUR	
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount	65,000 - 1,044	in EUR 97,500 - 1,044	- 1,044
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount (advertising cost allowance)	65,000 - 1,044 63,956	in EUR 97,500 - 1,044 96,456	- 1,044 128,956
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount (advertising cost allowance) Statutory social welfare contributions **	65,000 - 1,044 63,956 - 4,002	in EUR 97,500 - 1,044 96,456 - 4,002	- 1,044 128,956 - 4,002
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount (advertising cost allowance) Statutory social welfare contributions ** Lump-sum deductions***	65,000 - 1,044 63,956 - 4,002 - 72	in EUR 97,500 - 1,044 96,456 - 4,002 - 72	- 1,044 128,956 - 4,002 - 72
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount (advertising cost allowance) Statutory social welfare contributions ** Lump-sum deductions*** Taxable income	65,000 - 1,044 63,956 - 4,002 - 72 59,882	in EUR 97,500 - 1,044 96,456 - 4,002 - 72 92,382	- 1,044 128,956 - 4,002 - 72 124,882
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount (advertising cost allowance) Statutory social welfare contributions ** Lump-sum deductions*** Taxable income Income tax	65,000 - 1,044 63,956 - 4,002 - 72 59,882 12,786	in EUR 97,500 - 1,044 96,456 - 4,002 - 72 92,382 25,504	- 1,044 128,956 - 4,002 - 72 124,882 40,824
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount (advertising cost allowance) Statutory social welfare contributions ** Lump-sum deductions*** Taxable income Income tax Solidarity premium (5.5%)	65,000 - 1,044 63,956 - 4,002 - 72 59,882	in EUR 97,500 - 1,044 96,456 - 4,002 - 72 92,382	- 1,044 128,956 - 4,002 - 72 124,882 40,824
1.00% ALV II 5.00% Pension plan Germany: Physical person, married Gross income Employee lump-sum amount (advertising cost allowance) Statutory social welfare contributions ** Lump-sum deductions*** Taxable income Income tax Solidarity premium (5.5%) Taxes Germany	65,000 - 1,044 63,956 - 4,002 - 72 59,882 12,786 703	in EUR 97,500 - 1,044 96,456 - 4,002 - 72 92,382 25,504 1,403	- 1,044 128,956 - 4,002 - 72 124,882 40,824 2,245
1.00% ALV II 5.00% Pension plan	65,000 - 1,044 63,956 - 4,002 - 72 59,882 12,786	in EUR 97,500 - 1,044 96,456 - 4,002 - 72 92,382 25,504	- 1,044 128,956 - 4,002 - 72

* Higher advertising costs allowed if itemized (e.g. travel expense)

** Max. deductible amount is limited to EUR 4,002 but actual employee expense is EUR 12,500

*** Special expenditures deductible without limit

Source: Dr. Hubertus Ludwig, VISCHER Attorneys at Law, Basel; Heiko Kubaile, Ernst & Young Deutsche Allgemeine Treuhand AG

Income tax: intercantonal comparison

9.3

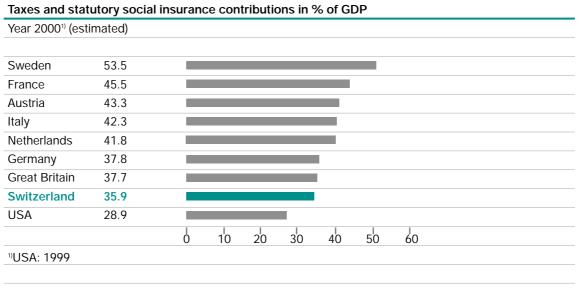
Effective individual tax rates on income for a married couple without children, Tax year 1999 (Federal, cantonal, municipal and parish taxes combined)

Capitals of Cantons Confederation			Gross emp	loyment income	in CHF	
		40,000	60,000	80,000	100,000	200,000
			Т	ax burden in %		
Zurich	(ZH)	4.08	6.43	8.18	9.57	14.64
Berne	(BE)	7.17	10.10	12.10	13.78	18.71
Lucerne	(LU)	6.89	9.35	11.85	13.73	17.87
Altdorf	(UR)	4.34	6.55	8.66	9.93	15.14
Schwyz	(SZ)	4.61	6.65	7.85	8.91	12.11
Sarnen	(OW)	5.90	7.87	10.00	11.38	14.23
Stans	(NW)	3.77	5.68	7.30	8.40	11.24
Glarus	(GL)	5.17	7.80	10.01	11.48	16.61
Zug	(ZG)	2.53	4.01	5.27	6.29	9.19
Fribourg	(FR)	5.10	9.08	11.32	13.01	18.27
Solothurn	(SO)	4.44	8.41	11.57	13.64	19.41
Basel	(BS)	5.51	9.03	12.14	14.68	19.91
Liestal	(BL)	5.18	8.56	10.94	13.11	18.89
Schaffhausen	(SH)	5.22	8.10	10.44	12.28	17.61
Herisau	(AR)	6.59	8.51	9.97	11.50	15.79
Appenzell	(AI)	4.88	6.83	8.31	9.35	12.55
St. Gallen	(SG)	5.81	8.65	10.95	12.94	18.48
Chur	(GR)	2.98	5.18	7.71	9.87	15.63
Aarau	(AG)	5.30	7.08	8.72	10.52	16.36
Frauenfeld	(TG)	4.94	8.27	10.44	12.14	17.70
Bellinzona	(TI)	3.76	6.84	9.76	12.05	18.64
Lausanne	(VD)	3.61	9.71	11.94	13.10	17.67
Sion	(VS)	6.07	8.39	9.98	11.32	17.91
Neuchâtel	(NE)	5.20	9.05	11.82	14.03	19.11
Geneva	(GE)	2.36	7.75	11.67	14.18	20.27
Delemont	(JU)	6.08	10.08	12.74	14.60	19.42
Direct Federal	Гах	0.22	0.59	1.17	1.73	5.78

Source: Swiss Federal Tax Administration

└→ www.estv.admin.ch/data





Source: OECD, Revenue Statistics of OECD Member Countries 1965 - 2000, Tab. 3 and 39

Lump-sum taxation

The federal tax legislation as well as a number of cantonal tax laws provide the possibility of a so called lump-sum taxation especially for foreign nationals who have their residence in Switzerland without working here. In order to qualify for this privileged tax regime, the individual concerned is required to have had his or her residence outside Switzerland for at least a period of ten years immediately prior to taking up residence in Switzerland.

Under the system of lump-sum taxation, the individual's taxable income is determined on the basis of the total expenses of living. These are defined as being at least five times the rental value of the individual's living accommodation in Switzerland or, if higher, equal to his or her income from Swiss real estate, mort-gages, shares, bonds etc., plus any income remitted from foreign sources for which double taxation relief is obtained based on a treaty (so-called comparative calculation). In order to apply for the DTT with Austria, Belgium, Germany, Italy, Norway and the United States of America, it is necessary to take all income from these countries into account of the comparative calculation (so-called modified lump-sum taxation)

Since it is in general only possible to obtain a residence permit for non-employed persons who are older than 55 years of age, who can demonstrate close ties to Switzerland and actually transfer their centre of vital interests to Switzerland, lump-sum taxation is usually restricted to individuals who decide to spend their retirement years in Switzerland. Nevertheless, in special cases a lump-sum taxation is possible as well for younger persons. In case of married persons, it is possible to apply for a lump-sum taxation for one spouse and for ordinary taxation for the other one. Thus, the overall taxation can be optimised.

Source: Arthur Andersen AG, Bern (2001) → www.andersen.com

Deduction of special professional expenses of expatriates

Since beginning of 2001: New tax deduction possibilities according to the Swiss Federal ordinance of Oct. 3, 2000 concerning the deduction on the Swiss Federal income tax declaration of special professional expenditures by managers and specialists temporarily working in Switzerland (Expatriates ordinance, ExpaV)

Expatriates are foreign managers and specialists (e.g. in information technology and telecommunications sector) who are temporarily sent to Switzerland by a foreign employer. As these persons maintain their ties to the foreign country during their stay in Switzerland, they incur extraordinary professional expenditures that shall be taken into consideration for tax purposes.

So far over half of the Cantons allow expatriates to take special deductions on the Cantonal and municipal taxes. Now also the Swiss Federal Department of Finance has issued an ordinance concerning the deduction of extraordinary professional expenses of expatriates. This is intended to simplify the delegation of expatriates to Switzerland and to make the location Switzerland more attractive.

Extraordinary professional expenses under this ordinance are travel, lodging and relocation expenses as well as the apartment rental costs incurred in Switzerland if permanent residence is still maintained in the home country. It also includes the expenditures for attending a foreign-language school by children, if the public schools do not offer adequate teaching.

Except for the cost of schools, a monthly lump-sum deduction of CHF 1,500 can be taken. This solution has been chosen to simplify the tax assessment. Higher costs and the costs for private schools can be deducted based on documented expenditures. A precondition for the deduction of extraordinary professional expenditures is that they are paid by the expatriate rather than the employer.

Depending on the situation, expatriates are assessed under the regular procedure, or they are subject to withholding tax. The method for claiming these deductions depends, therefore, on the tax assessment procedure.

→ www.efd.admin.ch/ch/d/sr/c642_118_3.html (pdf document, wording of the EpaV ordinance) Additional literature: Information documents from the Cantonal Industry and Trade Promotion Offices



Effects of double taxation treaties (DTT)

For taxpayers who are professionally active in both countries of a double taxation convention the question is always what effect this treaty actually has on them.

Example: A German publisher publishes the latest novel of a successful author living in Switzerland. The royalties paid to the author are subject to a withholding tax of 25% in Germany, plus solidarity premium. Because the author must also pay taxes on his royalties in Switzerland, his country of residence, he would have to pay taxes twice without the double taxation convention. Because of the double taxation convention only the country of residence may tax such income. Germany is, therefore, not entitled to any taxes on the royalties of the author.

→ www.efd.admin.ch/data/dba/e/index.htm Double Taxation, Introduction

Withholding tax

Switzerland has at its disposal a broad net of treaties concluded with other countries concerning the avoidance of the double taxation on the income (DTT). The actual treaties lead basically to a significant reduction on the withholding tax levied on dividends, interest and royalties. The remaining tax at source is not deductible, but Switzerland credits the respective tax on a lump-sum basis. In the case of subsidiaries there is usually an additional reduction agreed if the parent company holds a certain participation quota. The following table points out the reduced withholding tax rates in the respective countries in accordance with the applicable DTT (as per January 1st, 2001). Please note that this table shows some examples from the whole list.

Country		Divid	Interest	Royalties	
	Ordinary Rate	Subsi	diaries	Rate (%)	Rate (%)
	(%)	Reduced Rate (%)	Participation (%)		
Australia	15	15		10	10
Austria	5	5		5	5
Belarus	15	5	25	8	10/5/3
Belgium	15	10	25	10	0
Canada	15	5	10	10	10
Czech Republic	15	5	25	0	5
Denmark (inkl. Färöe Islands)	0	0		0	0
Finland	5	0	20	0	0
France	15	0	10	0	5
Germany	10	5	20	0	0
Greece	35	35		10	5
Hungary	10	10		10	0
Ireland	15		25	0	0
Italy	15	15		12.5	5
Japan	15	10	25	10	10
Luxembourg	15	0	25	10	0
Mexico	15	5	25	15/10	10
Netherlands	15	0	25	5	0
Norway	15	5	25	0	0
Poland	15	5	25	10	0
Portugal	15	10	25	10	5
Russia	15	5	20	10	0
Singapore	15	10	25	10	5
Slovakia	15	5	25	10	5
Slovenia	15	5	25	5	5
South Africa	7.5	7.5		10	0
Spain	15	10	25	10	5
Sweden	15	0	25	5	0
United Kingdom	15	5	25	0	0
United States	15	5	10	0	0

Source: Arthur Andersen AG, Bern (2001) → www.andersen.com

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Value added tax by international comparison

Normal rate, applicable to most consumer goods. All countries apply lower rates for certain basic goods, medicaments and cultural requirements.

Country	VAT rate in %							
Switzerland	7.6							
Germany	16.0							
Great Britain	17.5							
Netherlands	19.0							
France	19.6							
Italy	20.0							
Belgium	21.0							
Ireland	21.0							
		0	 5	10	15	20	25	

Source: Worldwide Corporate Tax Guide 2001, Ernst & Young, Jan. 2001

└→ www.ey.com

10.1

Work motivation by international comparison

10 = Highest score		
	score	
Austria	8.04	
Sweden	7.64	
Singapore	7.55	
Switzerland	7.48	
Luxemburg	7.47	
Japan	7.46	
Finland	7.43	
Denmark	7.32	
USA	6.98	
Irleand	6.96	
Netherlands	6.92	
Germany	6.91	

Source: IMD The World Competitiveness Yearbook 2001, Tab. 3.2.07 → www.imd.ch/wcy.htm

Business experience of the management

Management usually has significant experience in international business and postings abroad: towards 10 Management usually has no significant experience in international business and postings abroad: towards 1

Country	International Experie	nce
	Grade	
Switzerland	7.34	
Netherlands	7.25	
Belgium	6.57	
Germany	6.49	
Ireland	6.14	
USA	5.21	
Great Britain	5.13	
France	5.13	
Italy	4.85	
		0 1 2 3 4 5 6 7 8

Source: IMD The World Competitiveness Yearbook 2001, Tab. 3.2.17

86 10.1

Overall produc	tivity		
Country	GDP per person		Productivity Index ¹⁾
	employed in 2000)	
	USD		(Netherlands = 100)
USA	73,886		159
Switzerland	61,615		132
Belgium	57,519		123
France	55,714		120
Ireland	54,912		118
Italy	51,809		111
Germany	51,612		111
Great Britain	51,031		109
Netherlands	46,606		100
L . ,		 0 10'000 20'000 30'000 40'000 50'000 60	 '000_70'000_80'000

 $^{\scriptscriptstyle 1\!\!\!\!\!)}$ The productivity index figures were computed on the basis of IMD data

Source: Economic Promotion Geneva, International Comparisons 2001;

IMD The World Competitiveness Yearbook 2001, Tab. 3.1.02

└→ www.imd.ch/wcy



Deregulation of the labor mark		
Ranking 2001		
Country	Ranking ¹⁾	Score ²
Hongkong	1	8.4
Singapore	2	8.1
Switzerland	4	7.5
USA	6	7.3
Denmark	7	7.2
Great Britain	8	6.6
Ireland	9	6.4
Netherlands	21	4.9
Austria	23	4.7
Germany	40	3.0
Italy	46	2.6
France	49	2.1
¹⁾ 49 Countries evaluated		
²⁾ 10 = Highest score		

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Source: IMD The World Competitiveness Yearbook 2001, Tab. 2.4.11

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Labor law Switzerland

Fact sheet - Extract from: Swiss labor law, overview by Peter Muri, lic. jur. Attorney, Jürg Vetterli, lic. jur. Attorney, Dominik Kumschick, lic. jur. Attorney; Muri Attorneys, CH-8570 Weinfelden

This text is only of an informative nature and has been prepared for a specific event. It does not claim to be complete and its aim is not serve as or be a substitute for concrete legal consultation. The authors assume no liability for the effectiveness or suitability of the formulated examples in specific cases.

I. Legal base

The Swiss Labor Law comprises fewer ordinances than the legal system in EU countries. For this reason there is greater freedom for legislation. The legal decisions are basically liberal.

- The following statutory laws are principally applicable:
- Swiss Code of Obligations
- Labor participation law
- Equality law
- Labor law
- Few additional special ordinances (chauffeurs, etc.)

1. Legal provisions of the labor law

Legal provisions, if preemptory, have priority over any collective tariff or employment agreements. To the extent that legal provisions are preemptory, nothing different can be contractually agreed to either in collective labor agreements or individual employment agreements, or at least nothing that is less favorable to the employees.

Certain labor law regulations may be altered through collective labor agreements but not individual employment contracts.

Conversely, if a statutory provision is not preemptory, the agreements between the parties take precedence.

2. Collective tariff agreements (collective employment agreements)

Collective employment agreements (abbr. GAV) are negotiated between an employer or employer association, and a union. Over 1,000 different agreements of this type exist in Switzerland. The provisions of a collective employment agreement are binding only if the corresponding shop is unionized. Employers and employees are free whether they wish to join an association or union.



The Swiss Federal Government has declared certain collective employment agreements to be generally binding nationwide. At present there are 14 such collective employment agreements in force. These agreements presently are binding on approx. 30,000 employers and 200,000 employees. The most important generally binding collective employment agreement is the one for the construction industry. It regulates the employment conditions between some 6,600 employers and about 100,000 employees.

3. Employment agreements

Employment agreements do not have to be in writing. It is recommended, however, particularly from the viewpoint of the employer, to choose the written form. The objective is to minimize risks. In larger companies it is recommended to have so-called "rules of employment" which contains the most important employment provisions. The employment agreement itself then contains only provisions on wages, notice period, as well as special terms (anti-competitive restrictions). Employment agreements and "rules of employment" must conform to the preemptory provisions of the Swiss Code of Obligations and the provisions of collective employment agreements, where such are applicable.

The "rules of employment" should not be confused with the agreements between the employer and the works council, as practiced in EU countries. However, industrial companies are required to establish "works rules". These contain rules on the occupational health protection and accident prevention. The employees or their representatives must be consulted before the rules are put into force.

II. Working time

1. Normal working time and maximum working time

In Switzerland we differentiate between normal working time and maximum working time. As outlined below this differentiation is important for the definition of overtime.

The normal working time is the time to be worked in accordance with the employment agreement or the collective employment agreement. In Switzerland it is 40 to 44 hours per week.

The weekly maximum working time for employees in industrial companies, for office personnel, for technical and other employees as well as sales personnel in large companies of the retail trade is 45 hours. For other employees, including those in the trade, the maximum working time is 50 hours.

2. Overtime

The difference between the normal working time and the maximum working time is referred to as overtime. The employee is obliged to perform such work to the extent that he/she is able to do so and which he/or she may be reasonably expected to perform. According to the law, overtime must be compensated with a premium of 25%. It is possible, however, to waive the premium in writing. Instead of overtime pay the employee may be compensated through paid leave of at least the same duration, provided both the employer and employee mutually agree to this. For employees in managerial positions it is possible to compensate overtime generally through normal wages.

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3. Extra work

If the weekly maximum working time of 45 or 50 hours is exceeded, this is referred to as extra work. Under the new labor law the extra work may not exceed two hours per day for an individual employee. In total the extra work may not exceed 170 hours per year for employees with a weekly maximum working time of 45 hours, and 140 hours for employees with a weekly maximum working time of 50 hours.

Unless compensated by paid leave within a reasonable time, extra work must be compensated with a premium of 25%.

In contrast to many European countries the consent of the employee representatives or works council is not necessary in Switzerland for overtime or extra work. Neither is it necessary to obtain government approval as long as the above time limits are not exceeded.

4. Day work and evening work

Working hours from 06:00 to 20:00 are considered as day work; the hours from 20:00 to 23:00 as evening work. Day and evening work require no permission. However, evening work may be introduced only after consultation with the employee representatives, or if there are none, after consultation with the corresponding employees. This rule allows the introduction of a 2-shift operation without government approval.

The working time of an individual employee, including breaks and overtime, must be within a period of 14 hours.

5. Night work

Government approval is required if night work is needed.

For temporary night work a premium of 25% must be paid. For continual or regularly recurring night work the employees are entitled to a paid leave of 10% of the time worked during night hours. This leave must be granted within one year.

There is no entitlement for compensation in form of paid leave in the following cases:

- If the average shift time, including breaks, does not exceed 7 hours, or
- The person working at night is employed only for 4 days per week.

6. Work on Sundays and holidays

Sunday is the time between Saturday 23:00 and Sunday 23:00. Aside from special regulations applicable to certain business sectors, government approval is needed for work on such days. For temporary Sunday work the employer must pay a premium of 50%. For continual or regularly Sunday work the employee is entitled to compensation in the form of paid leave.

In addition to Sundays, August 1st is treated in Switzerland as being equal to a Sunday. The Cantons may declare up to eight additional holidays as being equal to a Sunday.



7. Working time models, shift operation and continuous operation

In practice there are many possibilities to adopt the working time to the requirements of a business. For example: flex hours, band width model, two-shift operation or continuous operation (7x24 h x 365 days). In particular in the case of continuous operation the daily and weekly maximum hours can be extended and the rest time be distributed differently.

III. Absence of the employee due to illness, accident, pregnancy and delivery

In the case of an accident the insurance solution is mandatory. According to the accident insurance law the employee receives 80% of the insured wages beginning with the 3rd day. The statutory accident insurance covers wages up to the maximum of CHF 106,800 per year. For employees who earn more, extended

insurance coverage is normally arranged.

In case of illness, pregnancy and maternity, there are two possibilities how a Swiss employer may fulfill his obligations of paying wages to an employee who is prevented for working for no fault of his/her own. The employer may choose to bear the risk himself or he may arrange for insurance.

If the employer does not arrange group insurance for his employees he is obliged to pay the employee the full wages for a "limited time" if the employee is unable to work for no fault of his/her own. The length of this "limited time" has been defined by the courts in the form of so-called scales.

In practice, however, employers arrange for group insurance. Sometimes also maternity benefits are integrated into this insurance. In most case, however, the employers continue to pay wages during the "limited period" of maternity. Such insurance solutions must be equivalent to the statutory wage continuation obligation for a "limited period". As a rule, equivalency is deemed to exist if the employer provides group insurance that pays 80% of the wages during 720 days. The employer must pay at least half of the insurance premium. Insurance solutions for maternity benefits require wage continuation for 16 weeks, of which eight weeks after delivery. In practice other insurance solutions are frequently encountered. It is possible, for example, that the employer continues to pay wages for 3 months before the insurance coverage sets in.

IV. Vacation

The statutory vacation entitlement in Switzerland is four weeks or 20 days per full year of service. Employees under the age of 20 are entitled to 25 vacation days. There are no further statutory vacation entitlements. However, longer vacations are customary in collective employment agreements, e.g. 25 days per year are usually granted after the age of 50.

During vacation, wages are paid in exactly the same manner as for the regular work. Additional vacation money, as frequently encountered in tariff agreements in the EU, is unknown in Switzerland.

V. Participation, employee representation (industrial relations law)

Under European law, the possibility of establishing a works council is subject to much fewer preconditions than in Switzerland. In particular the works councils in Europe have far greater competences than the socalled employee representatives according to Swiss law. The major difference is that in contrast to the works council, Swiss employee representatives are not able to prevail with their own views or to force a decision. Their rights are limited to being informed, having their views heard, and providing decision input. The ability to make use of these rights must as a rule be granted to the employees before the employer's decision. The number of cases where the employee representatives must be consulted remains in narrow limits.

1. Right to employee representation

In shops with at least 50 employees the workforce may elect one or several representatives from among their peers. If no employee representatives are chosen the right to information and being heard remains directly with the individual employees.

2. Right to be informed and to participate in decision-making

The employee representatives are entitled to timely and comprehensive information on all matters, the knowledge of which is a precondition for properly fulfilling their assignments. At least once per year the employer shall inform the employee representatives concerning the effect of the business trend on the employment and the employees.

The employee representatives in particular have the following rights to participate in the decision-making: - Regarding questions of work safety and occupational health

- In the organization of the working time and definition of the work schedules
- In the transition of ownership of the company or a section thereof
- In the event of mass layoffs

VI. Anti-competitive restrictions

Under certain conditions the employee may be contractually bound to refrain from engaging in any competitive activity after termination of the employment. All employees are covered by the relevant law. In practice, however, demanding requirements are imposed on the formulation and enforcement of such anti-competitive restrictions. There is no mandatory provision for compensating the employee for agreeing to such anti-competitive restrictions.

VII. Notice of termination

The fundamental principle is that the employer or the employee may freely terminate the employment agreement, subject to the applicable notice period. Under Swiss law there the employee representatives or the works council have no say in this. Only in the case of mass layoffs do the employee representatives have the right to be consulted. Otherwise the recipient of the termination notice only has the right of having the reason for termination stated in writing. There is no investigation whether or not the termination is socially unjustified, i.e. whether the reasons are related to the person of the employee or whether weighty business considerations made the layoff necessary.

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1. Notice periods

During the probationary period which normally covers the first three months of employment, the employment may be terminated at any time subject to 7 days notice. Thereafter the notice period is one month (effective as of the end of a month) if the employment duration was less than one year. From the 2nd to the 9th year of employment the notice period is two months and thereafter it is three months. These periods can be extended in writing but never shortened to less than 1 month in favor of the employer (exception: first year under a collective employment agreement).

The employment can also be terminated without notice for weighty reasons. The preconditions for this are roughly the same as under European labor law, except that the employee is not entitled to have the works council determine, whether or not the termination is socially unjustifiable.

2. Protection against unlawful dismissal

Only in few cases does the Swiss labor law provide protection against dismissal. We differentiate between protection against willful dismissal and protection against dismissal during barred periods.

a) Abusive dismissal

Swiss law recognizes principally the following situations that imply abusive dismissal. Notice of termination is considered to be abusive if it is given by either party:

- Due to a characteristic which the other party may properly have as part of its personality, unless this characteristic is related to the employment or adversely affects the co-operation with fellow employees. This involves notice given because of a personal characteristic of the one to whom notice is given. In particular the following characteristics are meant:
- Gender, marital status, origin, race, citizenship, etc.
- Because the other party is exercising a constitutional right, unless the exercise of this right violates an obligation under the employment agreement or adversely affects the co-operation with other employees.
 Solely for the purpose of preventing the accrual of rights (e.g. bonuses) of the other party arising out of
- Solely for the purpose of preventing the accidation rights (e.g. bondses) of the other party ansing out of the employment.
 Recause the other party in good faith asserts rights arising out of the omployment agreement. In particular
- Because the other party in good faith asserts rights arising out of the employment agreement. In particular this is intended to prevent vindictive notice of termination.
- Because the other party has been called up for performing social work in lieu of compulsory militia duty.
 Because the employee belongs to a union or does not belong to a union, or because the employee performs legal union activities. While the employee is the elected representative of an institution within or

affiliated with the company and the employer cannot demonstrate that the dismissal was for cause. A willful dismissal is basically legal. However, there is liability for compensation up to the amount of 6 months wages.

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b) Dismissal during barred periods

The employer may not terminate the employment during the following barred periods:

- If the other party is on militia duty, during the 4 weeks before and after, and during the period of militia service itself, if the service duration is at least 11 days.
- Illness or accident of the employee: In the first year of employment during 30 days of absence, from the 2nd to the 5th year of service during 90 days, and after the 6th year during 180 days.
- During pregnancy and the 16 weeks following delivery.
- Participation of an employee in a disaster relief operation abroad.

The employee may not terminate the employment if a manager, whose function he/she is able to perform or if the employer himself is prevented from performing his/her activity under the above preconditions.

Notices given during such barred periods are invalid. If notice is given before the beginning of a barred period and if the barred period has not yet expired when the notice period ends, the notice period is extended by the duration of the interruption.

There is no liability for damages or the like.

It is necessary to clearly differentiate between termination during barred periods and the obligation to continue wage payment. It may happen that the employer is no longer obligated to continue wage payment but the employment contract is still in force because it has been extended by the duration of the barred period.

Aside from the regulations concerning mass layoffs and equal treatment of men and women, there is no other protection against termination other than above. Of course, there is also no right to continue working.

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Social security: Premiums and benefits

Current premiums and benefits, 1st, 2nd and 3rd pillar As of: 01.01.2002

		Premium	Benefit CHF per month
1st pillar			
Old age insurance			
premiums and pensions			
Singles pension	min./max.	8.4 %	1,005 / 2,010
Couples pension	min./max.	8.4 %	1,508 / 3,015
Widow's pension	min./max.	8.4 %	804 / 1,608
Invalidity insurance premiums			
and benefits			
Singles benefits	min./max	1.4 %	1,005 / 2,010
Individual benefits for couples	min./max.	1.4 %	1,508 / 3,015
Supplementary benefits for spouse	min./max.	1.4 %	302 / 603
2nd Pillar		Limits CHF	
Contributions to			
company-sponsored pension plan			
Maximum AHV wage		74,160	
Coordination amount		24,720	
Maximum coordinated wage		49,440	
Minimum coordinated wage		3,090	
3rd Pillar			
Tax deduction for recognized			
retirement plans			
Employee	max.	5,933	
Self-employed: 20% of income	max.	29,664	

Source: Visura, Zoom 2/2000, Swiss Federal Office for Social Security

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Example: Calculation of social insurance contributions on wages

The actual impact of the social insurance contributions on the employee's earnings is shown below based on two examples:

A) Medium income

B) High income

A) Social insurance contributions on medium income: Example wage statement John Doe, month of March 2002

Wages: - Monthly salary - Overtime pay	10 hours	CHF CHF	5,500.00 390.50*
* The hourly wage is calculated on the basis For a 42-hour week the average monthly wo time is 176 hours → (5,500 : 176) + 25% x	rking		
Earnings subject to social security insurance	2	CHF	5,890.50
Travel expenses: - Travel expenses reimbursement according	to receipts	CHF	550.00
Children allowance: - Children allowance for 1 child (The amount of the family allowance is based may differ. The employer may at his own exp corresponding insurance; uniform premium 2	pense arrange for	CHF	150.00
Gross wages		CHF	6,590.50
Deductions from wages: - Statutory social security insurance - Unemployment insurance - Non-occupational accident insurance Employer sponsored pension plan (accordin	5.05% on CHF 5,890.50 1.5% on CHF 5,890.50 2.0% on CHF 5,890.50 g to statutes	CHF CHF CHF CHF	297.50 88.35 117.80 330.00
Paid-out wages		CHF	5,756.85
Vacation balance: - Allowance year 2002 - Vacation taken up to prior month - Vacation balance as of June 1	20 days 5 days 15 days		

Notes:

Taxes on wages are assessed based on the taxpayers (employee) declaration to which the wage statement (summary of annual wages) of the employer is to be attached. Normally there is no withholding except for: foreign nationals with only a temporary residence permit. In these cases the employer must deduct the taxes directly from the wages and remit them to the Cantonal tax authorities.

Source: Dürst Personalkontakte, CH-8704 Herrliberg/Zurich

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B) Social insurance contributions on high wages: Example wage statement on high income

Monthly salary* with insured earnings falling into the bracket from CHF 106,801 to CHF 267,000 per year or CHF 8,901 to CHF 22,250 per month, January 2000

Designation	Number/base	Rate	Deduction	Earnings
Monthly wage	1.00	10,200		10,200
Overtime**	12.00	73.25		879
Total wages subject to social				
insurance contributions				11,079
Children allowance ¹⁾	2.00	150		300
Education allowance ²⁾	1.00	180		180
Family allowance ³⁾	1.00	320		320
Total gross wages				11,879
Social insurance AHV/IV/FO 4)	11 070			
	11,079	5.05%	559.50	
Unemployment insurance ALV I ⁵⁾	8,900	1.500%	133.50	
Unemployment insurance II	2,179	1.000%	21.80	
Non-occupational accident insurance		2.000%	178	
Sick pay insurance ⁷⁾	11,079	0.485%	57.75	
Union dues ⁸⁾	1.00		25	
Pension plan, fixed ⁹⁾	1.00		208.20	- 1,179.75
Total net wages 10)				10,699.25
				10 (00 05
Paid-out wages				10,699.25
Vacation allowance in days	20.00			
Vacation taken up to prior month	- 5.00			
Vacation balance in days	15.00			

* For salaried employees the monthly wage statement is always exclusive of any pro-rata amount for the 13th month pay and vacation (the principle is that vacation shall not be paid out but actually taken).

- ** Overtime is based on the hourly rate plus 25% premium.
- ^{1), 2)} Depends on Cantonal law and is reimbursed to the employer by the government.
- ³⁾ Relatively rare, depends on employer.
- ⁴⁾ Employee's share (50%), the other half is paid by the employer.
- ⁵ ALV I: Up to CHF 106,800 per year or CHF 8,900 per month, employer and employee each pay 1.5%. ALV II: On high incomes the employer and employee each pay 1% on the earnings in the second bracket from CHF 108,601 to CHF 267,000 per year or CHF 8,901 to 22,250 per month), based on the wages on which the statutory social insurance contribution is calculated.
- Occupational accident insurance must be paid entirely by the employer (and therefore does not appear on the wage statement); the contribution to non-occupational accident insurance may be charged to the employee. For nonoccupational accident insurance the maximum insurable wage is CHF 106,800.
- ⁷⁾ If sick pay insurance is arranged to cover the statutory wage continuation requirements and if the benefits under this insurance are superior to the statutory minimum, half of the premium may be charged to the employee.
- ⁸ Collective labor agreements (GAV) may stipulate an employee and employer contribution.
- Pension plan costs are charged to the insured by the pension plan, normally in 12 monthly installments. There is no deduction on the 13th month pay.
- ¹⁰ This is not the base on which social insurance contributions are calculated.

Source: Swiss Federal Social Insurance Office (editor), Social Security Guidelines (status Jan. 1st, 2000) p.68

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Education Expenditures

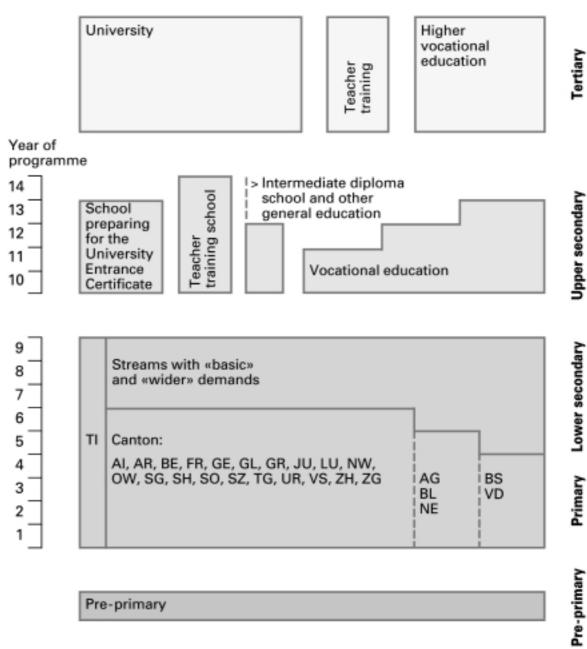
	Expenditures	s per student in USD,	at purchase power	parity (1998)				
		Level						
	Primary	Secondary	Tertiary	Total				
United States Great Britain Switzerland	6,043	7,764	19,802	33,609				
	3,329	5,230	9,699	18,257				
	6,470	9,348	16,563	32,381				
Sweden	5,579	5,648	13,224	24,450				
Spain Norway Netherlands	3,267	4,274	5,038	12,579				
	5,761	7,343 5,304 5,890 6,458 3,934 6,209 6,605	10,918 10,757 9,871 6,295 8,522 9,481 7,226	24,022				
	3,795			19,856				
Japan	5,075			20,836				
Italy	5,653			18,406				
Ireland	2,745			15,201				
Germany	3,531			19,221				
France	3,752			17,582				
Finland	4,641	5,111	7,327	17,080				
Denmark	6,713	7,200	9,562	23,475				
Belgium	3,743	5,970	6,508	16,221				
Austria	6,065	8,163	11,279	25,507				
Country mean	3,940	5,294	9,063	18,296				
OECD total	3,915	5,625	11,720	21,259				

Expenditures per student in USD, at purchase power parity (1998)

	Total			
USA	33,609			
Switzerland	32,381			
Austria	25,507			
Sweden	24,450			
Norway	24,022			
Denmark	23,475			
Japan	20,836			
Netherlands	19,856			
Germany	19,221			
Italy	18,406			
Great Britain	18,257			
France	17,582			
Finland	17,080			
Belgium	16,221			
Ireland	15,201			
Spain	12,579			
	USD	 0	ا 5000	I I I I I I 10,000 15,000 20,000 25,000 30,000 35,000



Structure of the education system



Pre-primary

Source: Swiss Federal Statistical Office (SFSO/BFS) → www.statistik.admin.ch

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Science & Technology and Youth				
Score 2001				
10 = interest ve	ry high			
1 = interest ve	ry low			
	Ranking	Score		
France	8	7.075		
Austria	9	7.000		
Switzerland	10	6.989		
Ireland	14	6.571		
Germany	18	6.286		
Italy	20	6.256		
USA	22	6.231		
Netherlands	37	5.600		
Denmark	38	5.577		
Sweden	41	5.303		
Japan	47	4.712		
Great Britain	49	3.976		
			0 1 2 3 4 5 6 7 8 9 10	
Source: IMD TI	he World Comp	etitivenessYe	earbook 2001, Tab. 4.3.16	

└→ www.imd.ch/wcy.htm

High-tech Potential 2001

Countries best placed to develop their high-technology industries

Rank	Country		
1	Switzerland	11	Finland
2	Sweden	12	Germany
3	USA	13	Japan
4	Ireland		
5	Netherlands	16	France
6	Hungary		
7	Canada	18	Denmark
8	Belgium	19	Norway
9	Great Britain	20	Italy
10	South Korea		

Source: Financial Times; Database: OECD, Science, Technology and Industry Scoreboard 2001 → www.oecd.org

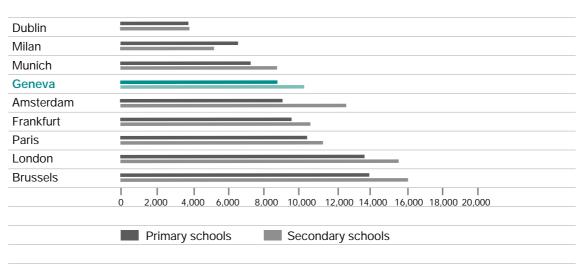


Education cost for private schools, international comparison

Average annual fees in USD, primary and secondary school level

City		Private schools (Primary)		Private schools (Secondary)		
		Languages			Languages	
	English	French	German	English	French	German
Dublin	3,707	1,369	2,008	3,800	1,864	2,008
Milan	6,581	2,459	2,806	5,293	3,026	2,806
Munich	7,258	1,742	_	8,501	2,469	_
Geneva	8,579	4,953	4,781	10,257	5,927	5,629
Amsterdam	8,956	2,927	_	12,464	5,052	_
Frankfurt	9,440	1,971	2,778	10,485	2,469	2,778
Paris	10,367	2,524	3,798	11,370	2,524	3,798
London	13,662	2,850	2,997	15,439	3,468	3,745
Brussels	13,886	2,253	3,164	16,083	2,732	3,677

Education cost in the English speaking private schools (in USD)



Source: Economic Promotion Geneva, International Comparisons 2001, based on Cost-of-Living Report, William M. Mercer – Corporate Resources Group Services/W.M.MERCER - CRG, Geneva, 2000

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Technology balance: Ranking

The technology balance of a country is calculated from the ratio between its technology exports (e.g. international license agreements) and its imports (e.g. purchase of foreign patents, know-how and R&D). The standard measured variable is the Coverage Ratio. The graphic is based on the figures of the year 1998.

With the second highest positive coverage ratio Switzerland is near the very top as an exporter of technology. This underscores its role as a high-tech and innovation location.

USA	3.36	
Switzerland	2.34	
Japan	2.13	
Great Britain	1.92	
Belgium	1.17	
Germany	0.85	
Italy	0.79	
France	0.72*	
Poland	0.34	
Portugal	0.33	
Austria	0.12	
		0 0.5 1.0 1.5 2.0 2.5 3.0 3.5
* 1007		

* 1997

Source: OECD, Main Science and Technology Indicators 2000

R&D expenditures

R8	D Expenditures (1999)								
	in % GDP									
Sweden	3.67									
Japan	3.15									
Finland	3.10									
Switzerland	2.73									
USA	2.62									
Germany	2.38									
France	2.19									
Denmark	1.96									
Netherlands	1.94									
Great Britain	1.83									
			0.5	1.0	1.5	2.0	2.5	3.0	ا 3.5	

Source: IMD The World Competitiveness Yearbook 2001, Tab. 4.3.03

└→ www.imd.ch/wcy.htm

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			Р	rivate ex	kpenditu	e on R&D							
	in USD per capita (1999)						in % of GDP (2000)						
Switzerland	808					Sweden	2.86						
Japan	749					Finland	2.35						
Sweden	742					USA	2.08						
USA	675					Japan	2.07						
Finland	536					Switzerland	1.91						
Germany	425					Germany	1.73						
Denmark	412					Belgium	1.47						
France	334					France	1.37						
Belgium	326					Denmark	1.31						
Great Britain	307					Great Britain	1.27						
						Netherlands	1.15						
	0 10	0 200 30	00 400	500 600) 700 800)		0	 0.5	 1.0	 1.5	 2.0	 2.5 3.0
Source: IMD The	World Compe	titiveness Y	earbook	2001 Tab	4 0 05	Source: Swiss F	ederal S	Statisti	ical Of	fice			

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Business Expenditure on R & D

Research and Development: Country ranking

Switzerland takes a favourable position with respect to cost-relevant factors. The enormous commitment to research and development is evidenced by the top position. The analysis ranks the positions of 47 countries.

Characteristic	Per capita R&D expenditure	R&D per capita % of GDP	Employment in Expenditure in	Nobel prizes R&D per capita	Active patents per capita
Year	1999	1999	1999	2000	1998
Sweden	3	1	3	1	3
Switzerland	1	5	5	2	2
USA	4	6	-	5	14
Japan	2	2	4	19	8
Denmark	6	11	6	4	10
Germany	7	8	9	8	15
Netherlands	11	12	10	7	7
Finland	5	3	1	24	16
Great Britain	15	16	30	3	-
IMD Tab	4.3.02	4.3.03	4.3.07	4.3.14	4.3.21

Source: IMD The World Competitivenesss Yearbook 2001

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Public health infrastructure

Quality of health care (highest score = 10) 9.04 Austria Switzerland 8.77 Belgium 8.67 Germany 8.47 Finland 8.30 France 8.06 8.03 Singapore Australia 7.70 Japan 7.00 Sweden 6.88 8 9 10 0 3 5 7 2 4 6

Source: IMD The World Competitiveness Yearbook 2001, Tab. 4.4.05

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Housing costs

	3-Room	apartment
		HF / month
	from *	to *
Agglomeration Zurich	785	1,795
Suburban area of Zurich	1,020	1,900
City of Zurich	1,060	1,940
Agglomeration of Berne	700	1,340
Suburban area of Berne	840	1,445
City of Berne	915	1,595
Agglomeration of Basel	765	1,500
Suburban area of Basel	935	1,690
City of Basel	915	1,425
Agglomeration Lake Geneva	840	1,565
Suburban area Lake Geneva	820	1,680
City of Geneva	980	1,680
City of Lausanne	900	1,440
Suburban area of St. Gallen	750	1,430
City of St. Gallen	775	1,310
Canton Ticino	720	1,430
Avarage for Switzerland	750	1,545
	Purchase	le-family home price in CHF to *
Agglomeration Zurich	Purchase from *	price in CHF to *
Agglomeration Zurich Suburban area of Zurich	Purchase	price in CHF
	Purchase from * 495,000	price in CHF to * 990,000
Suburban area of Zurich	Purchase from * 495,000 555,000	price in CHF to * 990,000 1,180,000
Suburban area of Zurich City of Zurich	Purchase from * 495,000 555,000 500,000	price in CHF to * 990,000 1,180,000 1,415,000
Suburban area of Zurich City of Zurich Agglomeration of Berne	Purchase from * 495,000 555,000 500,000 435,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne	Purchase from * 495,000 555,000 500,000 435,000 515,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne	Purchase from * 495,000 555,000 500,000 435,000 515,000 415,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel	Purchase from * 495,000 555,000 500,000 435,000 515,000 415,000 465,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 890,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel	Purchase from * 495,000 555,000 500,000 435,000 515,000 415,000 465,000 560,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 890,000 1,095,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel City of Basel	Purchase from * 495,000 555,000 435,000 435,000 415,000 465,000 560,000 405,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 890,000 1,095,000 1,085,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel City of Basel City of Basel Agglomeration Lake Geneva	Purchase from * 495,000 555,000 435,000 435,000 515,000 415,000 465,000 560,000 405,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 1,050,000 1,095,000 1,085,000 1,150,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel City of Basel City of Basel Agglomeration Lake Geneva Suburban area Lake Geneva	Purchase from * 495,000 555,000 435,000 435,000 415,000 465,000 560,000 405,000 500,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 1,050,000 1,095,000 1,095,000 1,150,000 1,290,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel City of Basel City of Basel Agglomeration Lake Geneva Suburban area Lake Geneva	Purchase from * 495,000 555,000 435,000 435,000 415,000 465,000 405,000 560,000 555,000 495,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 1,050,000 1,095,000 1,095,000 1,085,000 1,150,000 1,290,000 1,730,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel City of Basel Agglomeration Lake Geneva Suburban area Lake Geneva City of Geneva City of Geneva	Purchase from * 495,000 555,000 435,000 515,000 415,000 465,000 560,000 405,000 500,000 555,000 495,000 385,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 1,050,000 1,095,000 1,095,000 1,150,000 1,290,000 1,730,000 1,180,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel City of Basel Agglomeration Lake Geneva Suburban area Lake Geneva City of Geneva City of Geneva City of Lausanne Suburban area of St. Gallen	Purchase from * 495,000 555,000 435,000 435,000 415,000 465,000 405,000 560,000 555,000 495,000 385,000 485,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 1,050,000 1,095,000 1,095,000 1,085,000 1,150,000 1,290,000 1,730,000 1,180,000 770,000
Suburban area of Zurich City of Zurich Agglomeration of Berne Suburban area of Berne City of Berne Agglomeration of Basel Suburban area of Basel City of Basel Agglomeration Lake Geneva Suburban area Lake Geneva City of Geneva City of Geneva City of Lausanne Suburban area of St. Gallen City of St. Gallen	Purchase from * 495,000 555,000 435,000 435,000 415,000 465,000 405,000 500,000 555,000 495,000 385,000 485,000 390,000	price in CHF to * 990,000 1,180,000 1,415,000 770,000 860,000 1,050,000 1,050,000 1,095,000 1,095,000 1,085,000 1,150,000 1,290,000 1,730,000 1,180,000 770,000 1,010,000

* 10% quartile and 90% quartile

Source: Raum Information Wüest & Partner AG, Zurich, 2002

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Cities	Furnishee	d 4-room apa	artment 1,2	Unfurnishe	Local		
		Price range			rental costs ⁴		
		in CHF			in CHF		
	Expensive	Medium	Economical	Expensive	Medium	Economical	Average
Amsterdam	4,960	2,840	1,770	2,920	1,880	1,200	660
Berlin	2,960	2,280	1,720	1,520	1,180	730	890
Brussels	2,420	1,740	1,160	1,160	970	770	1,160
Geneva	3,250	2,150	1,600	1,700	1,300	1,000	1,100
London	7,630	6,110	3,560	6,110	4,070	2,040	2,160
Milan	3,020	1,970	1,210	2,090	1,340	1,020	990
New York	12,050	7,480	5,070	7,770	3,650	2,910	2,240
Paris	3,570	2,860	2,030	2,340	1,620	1,280	1,310
Stockholm	2,460	1,560	1,090	1,430	1,000	780	950
Tokyo	9,760	5,860	4,960	5,080	3,590	1,800	2,810
Vienna	3,350	2,720	2,210	1,700	1,360	1,140	960
Zurich	3,800	2,900	1,900	2,700	1,900	1,400	1,280

Apartment rental prices by international comparison

¹ Average rental value (ignoring extreme values) per month which a person in search of an apartment likely had to pay at the time of the survey.

² The rental values are based on apartments constructed after 1980 (4 rooms plus kitchen, bath, with garage), including all incidental costs, which conform to the living comfort desired by Europeans in management positions and are located in an area preferred by them.

³ The rental values are for apartments constructed after 1980 (3 rooms plus kitchen, bath, without garage, incl. incidental costs) with average comfort to local standards, close to the city.

⁴ The figures should be taken only as approximate values, i.e. as a guideline for the average rental price level (monthly gross rent) of a majority of domestic households.

Source: UBS "Prices and wages around the world. An international purchase power comparison", 2000

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Domestic purchase power of wages

Cost of living – Index summary 2001 ¹⁾

Rank	City	Index (New York = 100)
		- ·
1	Токуо	134.0
2	Moscow	132.4
3	Hong Kong	130.0
8	New York	100.0
12	London	92.9
16	Singapore	86.4
19	San Francisco	84.4
20	Chicago	83.3
32	Geneva	79.7
33	Zurich	79.5
55	Copenhagen	71.4
57	Paris	70.4
58	Milan	69.9
60	Vienna	69.6

¹⁾ The survey covers 144 cities and measures the comparative cost of over 200 items in each location. These include the cost of housing, food, clothing, and household goods. together with transport and entertainment. The data is used to assist multinational companies in determining compensation allowances for their expatriate workers.

Source: W.M. Mercer, Worldwide cost of living survey 2001

Living costs (food) by international comparison *

Time to be worked for the purchase of ...

	1 Hamburger	1 kg of bread	1 kg of rice
Cities		in minutes	
Amsterdam	16	10	10
Berlin	17	10	11
Brussels	21	13	17
Geneva	16	9	11
London	18	6	8
Milan	21	22	22
New York	12	15	9
Paris	19	17	20
Stockholm	19	18	23
Токуо	9	14	15
Vienna	16	13	11
Zurich	15	10	7

* Price of the corresponding product divided by the weighted net hourly wage from 12 professions

Source: UBS "Prices and wages around the world. An international purchase power comparison", 2000

Living quality of major cities - worldwide comparison

Zurich, Berne and Geneva are among the 11 cities with the highest quality of living from among 200 cities and economic metropolises around the world.

City	Country	Value (N.Y. = 100)
Vancouver	Canada	106.5
Zurich	Switzerland	106.5
Vienna	Austria	106
Geneva	Switzerland	105.5
Sydney	Australia	105.5
Kopenhagen	Denmark	105.5
Auckland	New Zealand	105
Helsinki	Finland	105
Berne	Switzerland	104.5
Frankfurt	Germany	104.5
Munich	Germany	104.5

Source: William M. Mercer Companies LLC, Worldwide Quality of Life Survey 2001

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Holidays in Switzerland

Principle

The Cantons have the sole responsibility for declaring public holidays. The Swiss Federal legislators have defined only August 1st as a national holiday. This holiday is treated in all of Switzerland like a Sunday.

Public holidays (nationwide)

New Year	January 1 st
Berthold's Day	January 2 nd
Good Friday	
Easter Monday	
Ascension Day	
Whit Monday	
Independance Day	August 1 st
Assumption	*
All Saints' Day	November 1st
Immaculate Conception	*
Christmas Day	December 25 th
Boxing Day	Dezember 26 th

* only in Cantons or regions with majority of roman-catholic population

Additional information

List of holidays:

A complete list of the holidays designated as public non-working days will be published in an appendix to the Swiss Labor Law (ArG) per end of 2002. Not mentioned are holidays that always fall on a Sunday.

Calendar:

"Feiertage Schweiz 2002/2003", Ackermann Druck AG, CH-3097 Bern-Liebefeld (German only)

Effect on the employer

Wage payment:

Wage payment for working time lost on account of holidays is a matter of the Swiss Civil Code and as such does not fall within the jurisdiction of the Cantons. The Swiss Federal legislators did not prescribe mandatory wage payment for holidays. The wage payment is, therefore, to be regulated by the employment agreement.

Permission to work on holidays:

For work on holidays which the Cantons have designated as being equal to a Sunday, a permit for Sunday work is needed and possibly also a police permit in accordance with the Cantonal rest day law. No permit is needed for businesses that are exempt from Sunday work prohibition (Ordinance 2 to ArG).

→ www.admin.ch/sr Topic Labour Law ArG (Site in German only)

<u>1</u>70**13.1**

Task sharing Federal Government - Cantons in industry and trade promotion

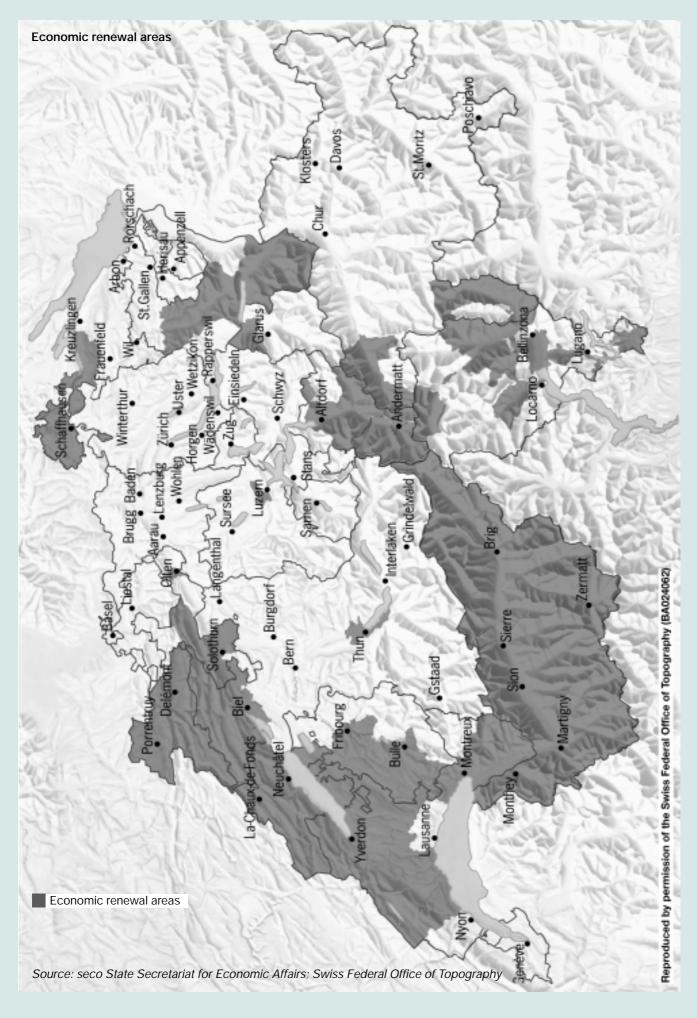
- 1. Outline
- Market prospecting and provision of information, particularly abroad, are essentially tasks of the Swiss Federation and handled by "Location:Switzerland". However, the Cantons are also consulted.
- In concrete customer acquisition the Cantons are competitors and play a central role. They also implement the Federal promotion measures in their own territory.
- Local cultivation of customer relations also after the investment has been made is organized by the Cantons through their closest contact points: the regions and municipalities.

Actors	Federal Government	Cantons	
Tasks	Location:Switzerland	Cantonal Industry and Trade Promotion	Region/City/Municipality
Economic information			
Acquisition			
Customer relations Reception			

2. Example of the self-positioning of a Swiss Canton in the location promotion

Source: Own representation according to KAWE Berne

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Federal assistance programs for economic renewal areas

Fact sheet with examples

The assistance package of the Swiss Federal Government for the benefit of economically significant investment projects in so-called economic renewal areas (see map) comprises three instruments. These can be used cumulatively.

- 1. Guarantees for investment credits of a bank up to one third of the total costs of the project. Maximum duration of the guarantee: 8 years.
- 2. Interest cost subsidy on bank credits up to one third of the total costs of the project. Maximum duration of the interest subsidy: 5 years
- Tax relief in form of partial or complete exemption from direct Federal taxes for a period of maximum 10 years.

The precondition are that :

- · the investment project promises a positive effect on the regional labor market
- · the project has a significant investment content, and
- is suitable for improving the economic base of the region in the sense of diversifying the employers and industries

The individual qualifying criteria and conditions are summarized in the leaflets of the responsible Federal office \rightarrow www.seco-admin.ch \rightarrow Business location Switzerland (leaflets in German)

The Federal development subsidies are tied to the respective activities of the Cantons. The Cantons must participate at least in the same scope as the Swiss Federation and for each of the incentive instruments applied: By assuming half the risk of the guarantee granted by the Federation, by assuming half of the interest subsidy costs, as well as by granting tax relief on Cantonal and Municipal taxes at least for the same duration and in the same scope as the Swiss Federation.

The applications are always processed by Industry and Trade Promotion office of the respective Canton which also provide information on the application procedure. A preliminary discussion with the Cantonal Industry and Trade Promotion office, with participation of the lending bank, is advisable.

See 14.1 Addresses of Cantonal Industry and Trade Promotion offices

In practice it makes a difference whether the project to be supported is predominantly a "hard investment" (building, machinery, equipment, patents) and largely consists of expenditures that are capitalized on the balance sheet, or whether the major part of the investments to be financed are setup and startup expenditures (development, marketing, engineering, research). This influences the amount of possible financial assistance. This can best be clarified based on two examples:

Continued on next page >



Example 1

Construction and expansion project of a company that is manufacturing precision components in the field of medicinal technology. The premises are leased. The company is a subsidiary of an international group. Location in the Jura region (which formerly was a mono-structured "watchmaker region"). Creation of additional 25 to 40 jobs for qualified personnel and employees that are to be retrained in engineering, production, development and marketing. Project to be completed within 3 to 4 years.

	in CHF	Comment
Investments to		
be financed:		
"Hard" investment costs	7,000,000	Purchase of land, building costs, furnishings, machinery
Start-up costs	2,000,000	Marketing, development
Total costs	9,000,000	Qualifying project costs against which the in-
		centive subsidies are measured
Financing structure:		
Equity	3,000,000	Share capital increase, shareholder loan
Bank financing I, "normal"	3,000,000	Terms depend on rating of the company by the
		lending bank; maturity not earlier than credit II
		for which guarantee is given
Bank financing II		
with guarantee	3,000,000	= Maximum guarantee because 1/3 of total costs
Interest subsidy	Federation: 1/4	on 3,000,000 at market interest rate of 6% re-
	Canton: 1/4	sults in cumulative interest savings over 5 years
	= 1/2 of market interest	of CHF 450,000
	rate during 5 years	
Tax relief:		Dependent on impact of the project on the
		national and regional economy
Canton (incl. Municipality)	8 years	Complete exemption from profit and capital tax
		by Canton and Municipality where company is domiciled
Federation	Same as Canton	Complete exemption from profit tax
		(there is no capital tax at Federal level)

Continued on next page >

<u>1</u>14**13.2**

Example 2

Establishment of a Swiss branch by a software development company. Premises to be rented in the chosen region in which metalworking has traditionally been the dominant industry. Phased creation of 30 to 80 jobs within 2 to 5 years is expected.

	in CHF	Comment
Investments to		
be financed:		
"Hard" investment costs	1,000,000	Furnishings, machinery and equipment
Start-up costs	6,200,000	Marketing, engineering, research and
		development
Total costs	7,200,000	Qualifying project costs against which
		the incentive subsidies are measured
Financing structure:		
Equity	2,400,000	Share capital, subordinate loans
Bank financing I, "normal"	3,300,000	Terms depend on rating of the company by the
Barik fillaricing I, Hornai	3,300,000	lending bank; maturity not earlier than credit II
		for which guarantee is given
Bank financing II	1,500,000	= Maximum amount of the guarantee because
with guarantee	1,500,000	at least 2/3 of the guaranteed credit is used for
with guarantee		financing "hard" investments. Maximum 1/3 of
		the guaranteed loan and/or interest subsidy
		may be used for financing start-up costs
		may be used for inflancing start-up costs
Interest subsidy		on 1,500,000 at market interest rate of 7%
	Canton: ¹ / ₄	results in cumulative interest savings over
	= $1/_2$ of market interest rate	5 years of CHF 262,500
	during 5 years	
Tax relief:		Dependent on impact of the project on the
		national and regional economy
Canton (incl. Municipality)	8 years by 100%	Regressive exemption from profit and capital
	+ 2 years by 50%	tax by Canton and Municipality where company
		is domiciled. Maximum duration
Federation	Same as Canton	Regressive exemption from profit tax (there is
		no capital tax at Federal level)

Leasing costs that form part of the project financing may be taken into consideration in the total costs but cannot be covered by the guarantee.

Outlook

This incentive program has been extended until June 30, 2006 and expanded so that also institutions and individual projects for joint business promotion such as business parcs, trade shows, competence and service centers, contests for young entrepreneurs, joint sales and marketing efforts of multiple companies or entire business sectors, etc. can qualify.

Source: Own representation based on \rightarrow www.seco-admin.ch Standortpolitik, Bundesbeschluss zugunsten wirtschaftlicher Erneuerungsgebiete, Instrumente



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Addresses (as of March 1st, 2002)

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Swiss Representation in Canada

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Consulat général de Suisse (Montréal) 1572 Av. Dr. Penfield C-Montréal, QC H3G 1C4 Tél. ++1 514 932 71 81/82 Fax ++1 514 932 90 28

Consulate General (Toronto) 154, University Avenue Suite 601 C-Toronto, Ont. M5H 3Y9 Tel. ++1 416 593 53 71/73 Fax ++1 416 593 50 83

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Swiss Representation in Great Britain

Swiss Embassy 16-18 Montagu Place GB-London W1H 2BQ Tel. ++44 20 7616 6000 Fax ++44 20 7724 7001 E-Mail: Vertretung@lon.rep.admin.ch www.swissembassy.org.uk

Consulate General (Manchester) Portland Tower, 6th Floor Portland Street GB-Manchester M1 3LD Tel. ++44 161 236 29 33 Fax ++44 161 236 46 89

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Swiss Embassy 2900 Cathedral Ave., N.W. USA-Washington D.C., 20008-3499 Tel. ++1 202 745 79 00 Fax ++1 202 387 25 64 www.swissemb.org

Consulate General (Atlanta) 1275 Peachtree Street N.E. Suite 425 USA-Atlanta, GA 30309-3555 Tel. ++1 404 870 20 00 Fax ++1 404 870 20 11

Consulate General (Chicago) Olympia Center, Suite 2301 737 N. Michigan Ave. P.O. Box 11561 USA-Chicago, IL 60611-0561 Tel. ++1 312 915 00 61 Fax ++1 312 915 03 88

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Consulate General (San Francisco) 456 Montgomery Street, Suite 1500 USA-San Francisco, CA 94104-1233 Tel. ++1 415 788 22 72 Fax ++1 415 788 14 02

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Representation of Great Britain in Switzerland

British Embassy Thunstrasse 50 CH-3005 Berne Tel. ++41 (0)31 359 77 00 Fax ++41 (0)31 359 77 01

Consulate General (Geneva) Rue de Vermont 37-39 CH-1202 Genève Tel. ++41 (0)22 918 24 00 Fax ++41 (0)22 918 23 22

Consulate General (Zurich) Minervastrasse 117 CH-8032 Zürich Tel. ++41 (0)1 383 65 60 Fax ++41 (0)1 383 65 61

Representation of the United States of America in Switzerland

Embassy of the USA Jubiläumsstrasse 93-95 CH-3005 Berne Tel. ++41 (0)31 357 70 11 Fax ++41 (0)31 357 73 44

For commercial contacts and to find business partners

Business Network Switzerland OSEC Stampfenbachstrasse 85 8035 Zürich Tel. ++41 (0)1 365 51 51 Fax ++41 (0)1 365 52 21 info@osec.ch www.osec.ch

Swiss-American Chamber of Commerce Talacker 41 8001 Zürich Tel. ++41 (0)1 211 24 54 Fax ++41 (0)1 211 95 72 www.sacc.net

The British-Swiss Chamber of Commerce Freiestrasse 155 8008 Zürich Tel. ++41 (0)1 422 31 31 Fax ++41 (0)1 422 32 44 www.bscc.co.uk

Canadian-Swiss Chamber of Commerce 1572 Doctor Penfield Ave. C-Montréal H3G1C4 Tel. ++1 514 937 58 22 Fax ++1 514 932 90 28

Union of Swiss Chambers of Commerce Abroad Alderstrasse 49 8034 Zürich Tel. ++41 (0)1 421 41 65 Fax ++41 (0)1 421 41 61 www.swisstrade.com

SEIN Swiss Export Information Network the information platform for Swiss export companies and their potential partners www.export-info.ch

For tourist information

Switzerland Tourism Tödistrasse 7 P.O. Box 8027 Zürich Tel. ++41 (0)1 288 11 11 Fax ++41 (0)1 288 12 05 www.switzerlandtourism.ch

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Education/Private Schools

Swiss Federation of Private Schools Hotelgasse 1 P.O. Box 245 3000 Bern 7 Tel. ++41 (0)31 328 40 50 Fax ++41 (0)31 328 40 55 www.swiss-schools.ch

Technology

Commission for Technology and Innovation (KTI) Effingerstrasse 27 3003 Bern Tel. ++41 (0)31 322 24 40 Fax ++41 (0)31 322 21 15 www.bbt.admin.ch

Customs Affairs

Federal Customs Administration Monbijoustr. 40 3003 Bern Tel. ++41 (0)31 322 65 11 Fax ++41 (0)31 322 78 72 www.zoll.admin.ch

Export Risk Guarantee

Export Risk Guarantee Agency Kirchenweg 8 Postfach 8032 Zürich Tel. ++41 (0)1 384 47 77 Fax ++41 (0)1 384 47 87 www.swiss-erg.com

Environmental Protection

Swiss Federal Agency for the Environment, Forests and Landscape Papiermühlestr. 172 3003 Bern Tel. ++41 (0)31 322 93 11 Fax ++41 (0)31 322 99 81 www.umwelt-schweiz.ch

Protection of Intellectual Property/Registration of Trademark/Copyright

Swiss Federal Institute of Intellectual Property Einsteinstr. 2 3003 Bern Tel. ++41 (0)31 325 25 25 Fax ++41 (0)31 325 25 26 www.ige.ch

European Economic Integration

Integration Office EDA/EVD Bundeshaus Ost 3003 Bern Tel. ++41 (0)31 322 22 22 Fax ++41 (0)31 312 53 17 www.europa.admin.ch

Statistics

Swiss Federal Statistical Office (SFSO/BFS) Espace de l'Europe 10 2010 Neuchâtel Tel. ++41 (0)32 713 60 11 Fax ++41 (0)32 713 60 12 www.statistics.admin.ch

Taxes

Fiscal Information Office Eigerstr. 65 3003 Bern Tel. ++41 (0)31 322 71 48 Fax ++41 (0)31 322 73 49 www.estv.admin.ch

Stock Exchange

SWX Swiss Exchange Selnaustr. 30 Postfach 8021 Zürich Tel. ++41 (0)1 229 21 11 Fax ++41 (0)1 229 22 33 www.swx.com

Banking Supervisory Authority

Swiss Federal Banking Commission Schwanengasse 12 Postfach 3003 Bern Tel. ++41 (0)31 322 69 11 Fax ++41 (0)31 322 69 26 www.ebk.admin.ch

Technical Equipment

Swiss Association for Standardization Bürglistrasse 29 8400 Winterthur Tel. ++41 (0)52 224 54 54 Fax ++41 (0)52 224 54 74 www.snv.ch

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Pharmaceutical Products and Medical Equipment

Swiss Federal Office of Public Health Section for Medical Examinations Postfach 3003 Bern Tel. ++41 (0)31 322 98 03 Fax ++41 (0)31 322 76 46 www.admin.ch/bag

Swissmedic Swiss Agency for therapeutic products Erlachstr. 8 Postfach 3000 Bern 9 Tel. ++41 (0)31 322 02 11 Fax ++41 (0)31 322 02 12 www.swissmedic.ch

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Abbreviations

Some of the most frequently mentioned abbreviations in this handbook and in the documentation of the Cantonal industry and trade promotion offices are spelled out below.

- AHV Social security insurance system (government sponsored)
- ALV Unemployment insurance
- BFS Federal Statistical Office
- BVG Federal law on compulsory company-sponsored pension plans
- CHF Swiss franc
- CTA Collective Tariff Agreement
- DTT Double taxation treaties
- EO Wage continuation during militia service
- FOCA Federal Office for Civil Aviation
- GAV Collective tariff agreement
- HVF Heavy Vehicle Fee
- IMD International Institute for Management Development
- IV Disability insurance
- OR Swiss Code of Obligations
- OSEC Business Network Switzerland
- SFSO Federal Statistical Office
- seco State Secretariat for Economic Affairs of the Swiss Federal Department for Economic Affairs
- SWX Swiss stock exchange

Cantons:

AG	Aargau	NW	Nidwalden	
AI	Appenzell Inner Rhodes	OW	Obwalden	
AR	Appenzell Outer Rhodes	SG	St. Gallen	
BE	Bern	SH	Schaffhausen	
BL	Basel-Country	SO	Solothurn	
BS	Basel-City	SZ	Schwyz	
FR	Fribourg	TG	Thurgau	
GE	Geneva	TI	Ticino	
GL	Glarus	UR	Uri	
GR	The Grisons	VD	Vaud	
JU	Jura	VS	Valais	
LU	Lucerne	ZG	Zug	
NE	Neuchâtel	ZH	Zurich	

Checklist

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Confidential information on investment project in Switzerland (Checklist)

The following information is helpful for efficient and fast processing of the investment project. This questionnaire contains all information required by the chief representative of the Swiss Government or the State Secretariat for Economic Affairs (seco) and the Cantonal Industry and Trade Promotion representatives who need to be included in project so that appropriate proposals and offers can be prepared. The information should be as complete as possible so that time consuming checkbacks can be avoided. All information provided will be treated confidentially.

1.	Prospective investor			
1.1	Name and address of the company			
	(to which future correspondence is to be addressed, if desired. Will be marked as confidential)			
1.2	Telephone number Exte	ension number		
1.3	Supplementary telephone number (mobile phone			
1.4	Fax number			
1.5	Responsible contact person for project			
1.5.1	Function / position			
2.	Company information			
2.1	Date company has originally been founded in the	home country		
2.2	Entry in commercial register, place/number			
2.3	For corporations: Share capital			
	For limited liability companies, partnerships: Nam	e of partners		
2.4	Subsidiaries outside the home country			
2.5	Number of employees			
2.5.1	In home country			
2.5.2	Total, including subsidiaries			
2.6	Turnover fiscal years 2000	2001		



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3.	Mission of the company
3.1	Products manufactured or services provided in home country (if possible, supply brief company
	documentation, brochures or the like that amplify this)
3.2	Products to be manufactured or services to be provided in Switzerland
3.3	Will the new Swiss company supply only the Swiss market or also export markets?
3.3.1	If also export markets, which are the principal ones

4. Real estate

aned is
urchase/lease of industrial land
urchase/rental/leasing of a building

Requirement:	Immediate	Medium term	Long term
Land m ²			
Manufacturing area m ²			
Special rooms m ²			
Offices, number/m ²			
Roofed warehousing area m ²			
Outdoor storage area m ²			
Other			
Special requirements of the b	ouilding or land (e.g. sta	itics)	

5. Infrastructural requirements

(Transport access, energy consumption, water, waste water, possibly special sewage treatment systems)

Are particular emissions to be expected from the planned manufacturing site?

6.	Personnel requirement Vocational groups, qualification				
	Number	Immediate	ly	Medium term	Long term
7.	Work and residence	ce permits			
	Are work and reside	ence permits requ	ired for comp	any owner, manageme	nt personnel
	or specialists?	Yes	No		
	If yes, how many?				
8.	Economic ties to S	Switzerland			
8.1	Do any relevant eco	onomic ties to Sw	itzerland exis	t already (e.g. key cust	omers, suppliers)?
8.2	Required subcontra	actors, suppliers of	or services		
9.	Preferred or excluded sites				
9.1 Which Cantons or regions have already b			ady been take	n into consideration?	
9.2	Which region will be excluded with certainty and why?				
10.	Time schedule				
	When shall the proj	ect be realized?			
11.	Supplementary inf				
	Desired supplemen	tary information			



14.4 Glossary

A Abbreviations Acquisition of land/buildings Addresses Airports	121 30 115 43
B Biotechnology Board member fees Border zones Building permits Business experience of the management	16 50 41 31 85

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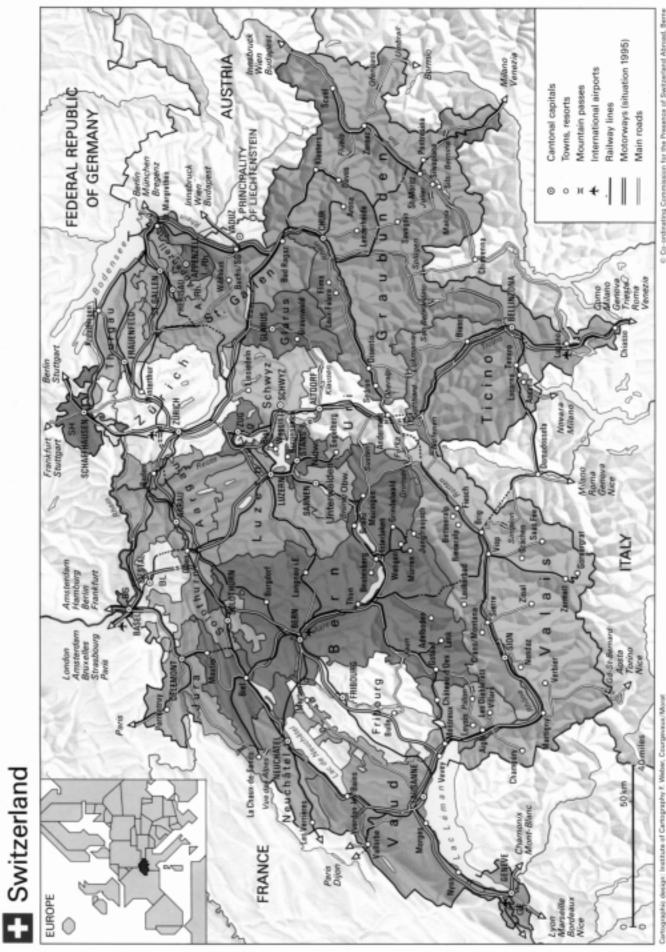
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