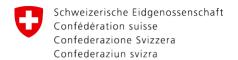


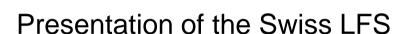


Labour market dynamics Swiss Federal Statistical Office

Anouk Bläuer Herrmann May 2013, LFS methodology



Contents



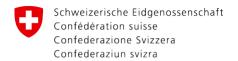
Key figures of the swiss labour market

Labour market accounts

- Construction
- Output

Occupational mobility





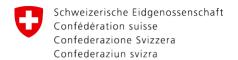
Swiss LFS (SLFS)

Sampling of households Permanent resident population aged 15 and older

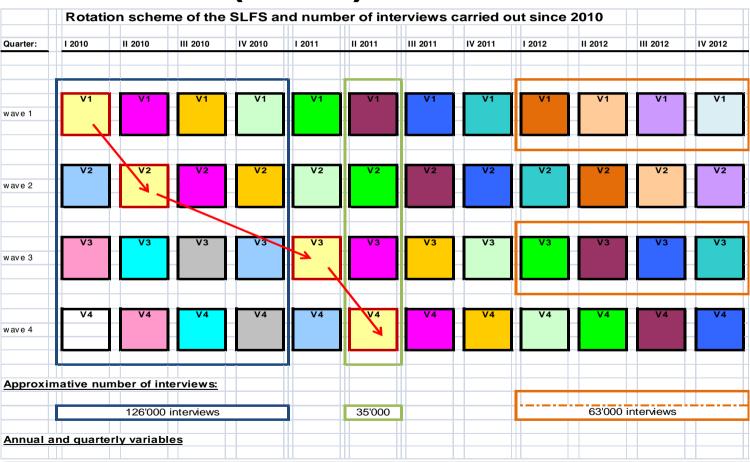
- up to 2009: annually, 2nd quarter
- since 2010: continuous survey, quarterly results
- 4 interviews over a period of 1,5 year (2-(2)-2 scheme)
- presently about 125'000 interviews per year

⇒<u>www.slfs.bfs.admin.ch</u>

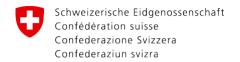




Swiss LFS (SLFS)





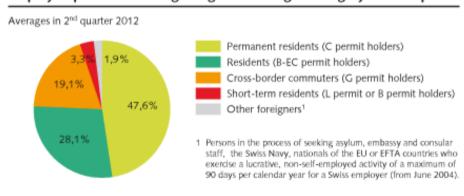


Key figures of the swiss labour market

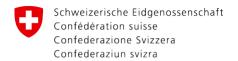
Permanent resident population: 8.037 m, aged 15 and older: 6.778 m

Employed persons (domestic concept): 4.815 m, of them Swiss (3.429 m), foreigners (1.386 m, 29%)
Unemployment rate (ILO-based): 4.4%

Employed persons of foreign origin according to category of work permit



Source: ES © FSO



Labour market accounts

Annual derived statistics, employment according to the domestic concept.

Main source: SLFS

- Transitions from employment, unemployment and inactivity
- Migration flows as well as natural change (births and deaths)
- ⇒Complement to Employment Statistics (ES) and Unemployment Statistics (ILO-based)
- ⇒Link between labour market statistics and population statistics



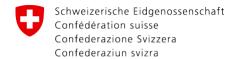
Labour market accounts: construction

Longitudinal weighting up to 2010, then transversal weighting quarter q t-1

Number of observations considered: about 35'000

	Rotation scheme of the SLFS											
Quarter	I 2010	II 2010	III 2010	IV 2010	I 2011	II 2011	III 2011	IV 2011	I 2012	II 2012	III 2012	IV 2012
wave 1	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1	V1
wave 2	V2	V2	V2	V2	V2	V2	V2	V2	V2	V2	V2	V2
vave 3	V3	V3	V3	V3	V3	V3	V3	V3	V3	V3	V3	V3
vave 4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4





Labour market accounts: construction



- Calculation of the entering population (immigrations and births)
- Calculation of the leaving population (emigrations and deaths)
- Calculation of the transitions between employment, unemployment and inactivity
- 5) Equalization procedure





Labour market accounts: output

Labour force overview

Domestic concept, in '000

2007	2008	2009 ³⁾	2010 ⁴⁾	2011 ⁵⁾
4515	4618	4'735	4775	4834
308	297	316	289	300
250	289	302	273	271
151	171	135	149	172
106	108	109	106	93
4618	4690	4'775	4834	4943
	4515 308 250 151 106	4515 4618 308 297 250 289 151 171 106 108	4515 4618 4'735 308 297 316 250 289 302 151 171 135 106 108 109	4515 4618 4'735 4775 308 297 316 289 250 289 302 273 151 171 135 149 106 108 109 106

Labour market dynamics: transitions between employment, unemployment and inactivity, migration flows, births and deaths, 2011, in '000

	Population on 31.12.11:						
			Employed persons	Unemployed (ILO-based)	Inactive persons	Emigrations	Deaths
Population on 01.01.11:			4743	199	3353	144	62
	Employed persons	4635	4228	84	222	88	12
Unem	ployed (ILO-based)	200	96	63	36	5	0
	Inactive persons	3339	259	41	2938	51	49
Entries 2011	Immigrations	247	160	12	75		
	Births	81			81		

Labour market dynamics| Workshop LFS Methodology, Gdansk, May 2013 Anouk Bläuer



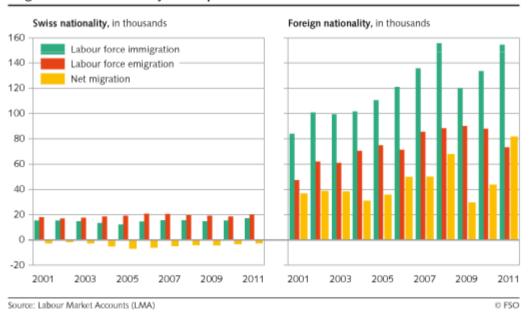


Labour market accounts: output

Trend in net migration

In 2011, the net migration of economically active persons was 79,000. It was responsible for 73% of the total increase in the labour supply.

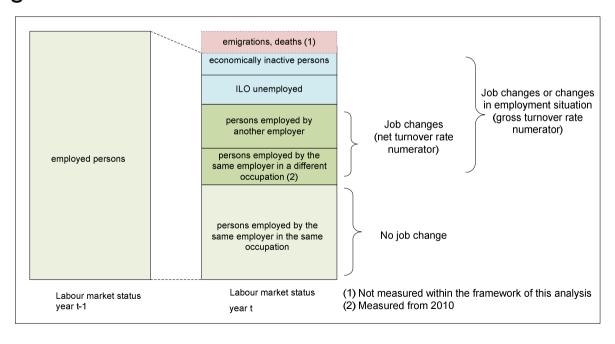
Migration of economically active persons





Occupational mobility

Job changes: net turnover rate
Job changes and persons leaving the labour market:
gross turnover rate







Occupational mobility

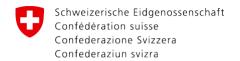
Job changes: net turnover rate

persons who changed jobs between the quarter q of the year t -1 and $\text{Net turnov er rate} = \frac{1}{4} \sum_{q=1}^{4} \frac{\text{the same quarter of the year t}}{\text{employed persons}}$ in the quarter q of the year t -1

Job changes and changes of labour market status: gross turnover rate

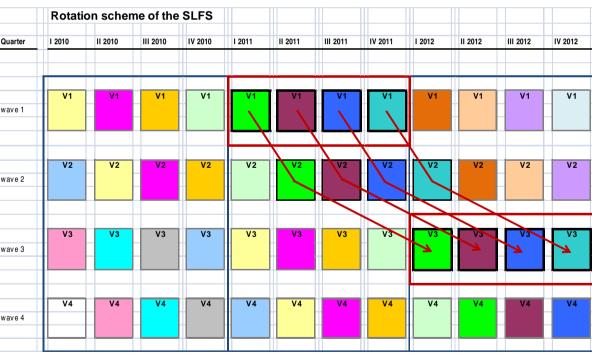
persons who lefted their job between the quarter q of the year t - 1 and

Gross turnover rate = $\frac{1}{4} \sum_{q=1}^{4} \frac{\text{the same quarter of the year t}}{\text{employed persons}}$ in the quarter q of the year t - 1



Occupational mobility

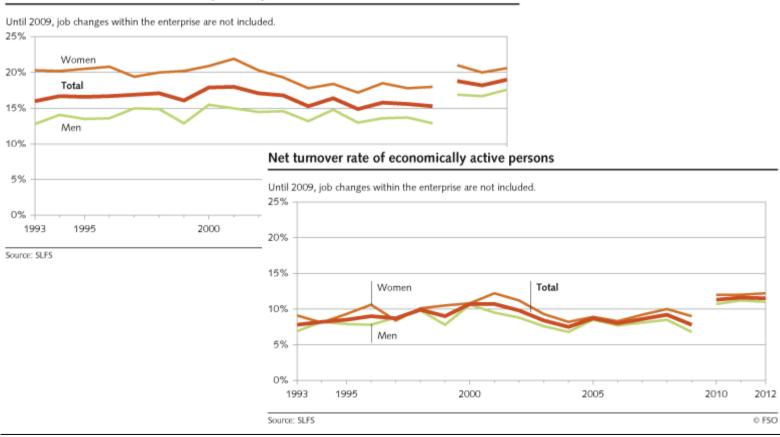
Transversal weight, quarter q t-1 Allows to also consider annual variables (breakdowns)



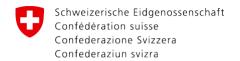


Occupational mobility

Gross turnover rate of economically active persons







Thank you for your attention!

For more informations:

About the SFO:

www.bfs.admin.ch

About the surveys, statistics and analysis of the "Labour force section", choose English / topics / employment and income: http://www.bfs.admin.ch/bfs/portal/en/index/themen/03.html

About the SLFS:

www.slfs.bfs.admin.ch

