



Elinkeino-, liikenne- ja ympäristökeskus  
Närings-, trafik- och miljöcentralen  
Centre for Economic Development, Transport and the Environment

# Occupational Barometer – implementation and exploiting the results

**Malopolska employer: "I employ..."**  
**5th anniversary of Labour Market and Education Observatory of Malopolska CONFERENCE**

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## Foresight methods and activities of ELY-Centres in Finland, vision 2010

•TIME SPAN	QUANTITATIVE METHODS	QUALITATIVE METHODS
•Long term (5-15 years)	<p>Long term econometric model; <i>VATTAGE</i></p> <p>GDP, employment, unemployment...(national/regional) by sectors</p> <p>MITENNA-model</p> <p>Regional forecasts; by occupations, wastage, educational needs</p>	<p>SCENARIOS DELFOI, PESTE MEGATREND-ANAL. WEAK SIGNALS-ANAL. FUTURE WORKSHOPS...</p> <p>CLUSTER ANALYSES <i>Cluster forums</i></p>
•Middle term (2-5 years)	<p>ETLA; regional econometric model</p> <p>Reg. forecasts; GDP, production/employment by sectors population, migration</p>	
•Short term (6 months- 2 years)	<p>Studies of workforce and training( TKTT- model)</p> <p><i>Business Rake - interviews by Call Centres</i></p> <p>Barometers</p>	<p>EXPERT PANELS (SWOT/DELFOI)</p> <p><i>Occupational Barometer</i></p>



## The implementation of Occupational Barometer in Finland

1. The Centre for Economic Development, Transport and the Economy (ELY-Centre) for Southwest Finland started to develop OB with the employment office (TE-office) of Turku, **2007**
2. Study visit to Sweden (Eskilstuna), **2008**
3. The first Occupational Barometer – manual, **2008**
4. ELY-Centre for Ostrobothnia – database of OB, **2009**
5. International OB-seminar in Turku (5 countries), Autumn **2009**
6. 10 ELY-centres were implementing the OB in the Autumn **2010**
7. Malopolska region implemented the OB in the Autumn **2010**
8. The Ministry of Employment and the Economy started to coordinate and give instructions of the implementation **2010/2011**
9. Map- presentations were published in the database, spring **2011**
10. All the 15 ELY-Centres and 75 TE-offices in Finland implemented the OB in May **2011**
11. The OB will be published in January, May and September



# The targets of the Occupation barometer

- 1. Employment offices (TE-offices) assess the demand of 200 occupations in one year.**
- 2. Employment offices (TE-offices) assess the balance between the demand and supply of 200 occupations**
- 3. These 200 occupations are classified into three categories; a) shortage b) balance c) surplus of jobseekers**
- 4. To summarize and collect the knowledge from the local labour market; lot of anticipation knowledge – interviews, studies, visits to employers**
- 5. To utilize the expertise of the officers in the employment offices; large knowledge in the customer interface**
- 6. To promote the matching of demand and supply of labour force**
- 7. To promote the occupational and regional mobility of labour force – also immigration**
- 8. To support the decision making of employment, business and training policy**



## The assesment in the TE-Office

Pielisen_Karjala Tausatiedot ajalta: 1-3/2010 Ammattinimike	THK	TP	T%	Rekryointitarve puoleksi vuodeksi eteenpäin	Työmarkkinatilanne puoleksi vuodeksi eteenpäin	P	Lisätiedot	Rekryointi- arvio	Työmarkkina- tilanteen arvio	KI MO
000 - Arkkitehdit	1	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
001 - Rakennusinsinöörit ja teknikot	8,3	4	16	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
002 - Sähkötekniikan insinöörit ja teknikot	3,7	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
003 - Elektr. autom. ja tietotekn. ins. tekn.	2,3	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
004 - Koneinsinöörit ja -teknikot	4	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
005 - Kemia- ja tekniikan insinöörit ja teknikot	3,3	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
006 - Kaivostekn. ja metallurg. ins. ja tekn.	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
007 - Muut teknisten alojen insin. ja tekn.	3	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
008 - Mittausinsin. ja -teknikot, kartoitt.	2,7	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
009 - Tekniset piirtäjät ja muu tekn. ala	2,3	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
010 - Kemistit	1	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
011 - Fyysikot	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
012 - Laborantit ja laboratorioapulaiset	6	2	11,1	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
013 - Geologit	0,7	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
014 - Meteorologit, hydrologit	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
019 - Muu kemian ja fysiikan ala	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
021 - Biologit	3,3	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
022 - Maatalousneuvojat ja -tutkijat	3	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
023 - Metsätalouden neuvojat ja -tutkijat	3,7	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
029 - Muu biologian ala	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
030 - Rehtorit	0	1	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
031 - Yliopiston- ja korkeakouluopettajat	1,7	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
032 - Aineenopettajat ja lehtorit	12,7	23	60,5	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
033 - Luokanopettaja	2	1	16,7	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
034 - Erityisopettaja	0	1	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
035 - Lastentarhanopettaja	1,7	1	20	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
036 - Kouluttajat	1	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
037 - Upseerit	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
038 - Muu sotilastyö	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○
039 - Muu opetustyö	0	0	0	○ ○ ○ ○ ○	○ ○ ○ ○ ○	<input type="checkbox"/>		Ei arviointia	Ei arviointia	○



# Summary of the assessments of TE-offices

På svenska/Suomeksi



## Occupational barometer of Southwest Finland, II / 2011

### \* Bottleneck problem

Bottleneck problem is a situation where a labour shortage in the local labour market prevents offices and businesses from expanding

### ! Additional information

#### Jobseekers /month

Average amount of unemployed and laid-off persons per month in the period of 11/2010 - 4/2011

#### Vacancies

New vacancies in the period of 11/2010 - 4/2011

KAA=Kaarinan TE-toimisto  
LAI=Laitilan TE-toimisto  
LOI=Loimaan TE-toimisto  
PAI=Paimion TE-toimisto  
RAI=Raisio TE-toimisto  
SAL=Salon TE-toimisto  
TKU=Turun TE-toimisto  
TUR=Turunmaan TE-toimisto  
UKI=Uudenkaupungin TE-toimisto

Estimated demand for labour force for half a year	Estimated balance between supply and demand for labour force for half a year	Average balance between supply and demand for labour force
Increases fast	Great lack of jobseekers	Great lack of jobseekers
Increases	Lack of jobseekers	Lack of jobseekers
In balance	In balance	In balance
Decreases	Surplus of jobseekers	Surplus of jobseekers
Decreases fast	Large surplus of jobseekers	Large surplus of jobseekers

Occupation	Estimated demand for labour force for half a year										Estimated balance between supply and demand for labour force for half a year							Average balance between supply and demand for labour force	Jobseekers /month	Vacancies 11/2010 - 4/2011	
000 - Architects, construction architects	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	17	9
001 - Civil engineers and construction technic...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	141	92
002 - Engineers and technicians in electric po...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	53	32
003 - Engineers and technicians in electronics...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Surplus of jobseekers	238	34
004 - Mechanical engineers and mechanical engi...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	310	172
005 - Engineers and technicians in chemistry a...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	59	13
006 - Engineers and technicians in mining engi...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	5	2
007 - Engineers and technicians in other field...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	181	72
008 - Measuring engineers and technicians, and...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	30	11
009 - Technical drawers and other technical fi...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Surplus of jobseekers	66	6
010 - Chemists	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Surplus of jobseekers	68	4
012 - Life science technicians, laboratory ass...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Surplus of jobseekers	94	18
021 - Biologists	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Surplus of jobseekers	44	2
022 - Agricultural advisors and researchers	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	20	7
023 - Forestry advisors and researchers	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	4	2
030 - School headmasters and principals	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance	0	6
031 - University teachers and teachers in othe...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Lack of jobseekers	35	125

Raisio TE-toimisto  
004 - Mechanical engineers and mechanical engineering technicians  
Estimated demand for labour force: Increases  
Jobseekers /month : 58,3  
Vacancies: 26



# History development , 6 months of vacancies and job seekers

Occupation	CAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	CAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	In balance		
811 - Glassworks workers																			In balance	17	17
821 - Mill workers																			In balance	4	0
822 - Bakers, pastrycooks and confectionery ma...																			In balance	55	19
823 - Chocolate products and confectionery mak...																			Surplus of jobseekers	44	2
824 - Brewing and soft drink industry workers,...																			Surplus of jobseekers	3	0
825 - Preserved (canned) and frozen food worke...																			In balance	43	47
826 - Butchers, meat processing workers																				50	14
827 - Dairy products workers																				1	0
828 - Processed food workers																				32	14
829 - Other food industry work																				20	23
831 - Process operators																				55	14
841 - Paperpulp plant operators																				3	0
842 - Paperproducts machine operators																				7	0
851 - Rubber product workers																				14	1
852 - Plastic workers																				96	101
864 - Masonry workers																				20	1
881 - Hand packers																				118	132
882 - Warehouse assistants																				364	300
883 - Stevedoring and loading work																				30	68
891 - General workers, industry																				236	520
901 - Fire fighters																				18	2
903 - Police																				9	5
906 - Security guards																				54	159
909 - Other security, protection and emer...																				2	7
911 - Institutional catering managers																				40	30
912 - Chefs, cooks, restaurant cooks in c...																				383	693
913 - Kitchen workers, restaurant work...																				363	670
914 - Accommodation business manag...																				34	13
921 - Head waiters, waiters																				212	671
922 - Meal service workers and salespers...																				75	145
931 - Housekeepers, household manag...																				10	7
941 - Building maintenance workers																				132	222
942 - Cleaners																				404	1191
951 - Hairdressers, beauticians, bathing ...																				120	216
961 - Laundry and cleaner's shop work...																				25	28
993 - Casino and arcade game managers																				2	6
999 - Other service work																				11	213
<b>Summary:242 occupations</b>																			<b>In balance</b>	<b>18718</b>	<b>20545</b>

**Jobseekers: 942 - Cleaners**

Month	Kaarinnan TE-toimisto	Laitilan TE-toimisto	Loimaan TE-toimisto	Paimion TE-toimisto	Raision TE-toimisto	Salon TE-toimisto	Turun TE-toimisto	Turunmaan TE-toimisto	Uudenkaupungin TE-toimisto	Summary
11/2010	17	8	14	5	62	60	184	22	25	397
12/2010	22	8	15	4	69	67	188	21	26	420
1/2011	23	8	16	5	72	61	196	22	21	424
2/2011	20	7	18	5	71	59	198	21	22	421
3/2011	17	7	19	4	63	52	193	18	22	395
4/2011	16	5	13	2	58	54	185	16	19	368
<b>Jobseekers /month</b>	<b>19,2</b>	<b>7,2</b>	<b>15,8</b>	<b>4,2</b>	<b>65,8</b>	<b>58,8</b>	<b>190,7</b>	<b>20</b>	<b>22,5</b>	<b>404,2</b>

**Vacancies: 942 - Cleaners**

Month	Kaarinnan TE-toimisto	Laitilan TE-toimisto	Loimaan TE-toimisto	Paimion TE-toimisto	Raision TE-toimisto	Salon TE-toimisto	Turun TE-toimisto	Turunmaan TE-toimisto	Uudenkaupungin TE-toimisto	Summary
11/2010	8	6	0	0	1	5	77	1	1	99
12/2010	5	0	3	1	3	0	39	2	0	53
1/2011	8	0	4	0	4	2	90	4	0	112
2/2011	6	0	2	1	17	1	549	2	1	579
3/2011	7	2	1	6	6	9	147	4	1	183
4/2011	8	1	2	5	4	7	134	3	1	165
<b>Summary</b>	<b>42</b>	<b>9</b>	<b>12</b>	<b>13</b>	<b>35</b>	<b>24</b>	<b>1036</b>	<b>16</b>	<b>4</b>	<b>1191</b>

[www.mol.fi](http://www.mol.fi)



European Union  
European Social Fund

Leverage from  
the EU  
2007-2013



Centre for Economic Development,  
Transport and the Environment



Employment and Economic  
Development Office



# Priorisation of the shortage occupations

På svenska/Suomeksi



## Occupational barometer of Southwest Finland, II / 2011

### \* Bottleneck problem

Bottleneck problem is a situation where a labour shortage in the local labour market prevents offices and businesses from expanding

### ! Additional information

### Jobseekers /month

Average amount of unemployed and laid-off persons per month in the period of 11/2010 - 4/2011

### Vacancies

New vacancies in the period of 11/2010 - 4/2011

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TUR=Turunmaan TE-toimisto  
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Estimated demand for labour force for half a year	Estimated balance between supply and demand for labour force for half a year	Average balance between supply and demand for labour force
Increases fast	Great lack of jobseekers	Great lack of jobseekers
Increases	Lack of jobseekers	Lack of jobseekers
In balance	In balance	In balance
Decreases	Surplus of jobseekers	Surplus of jobseekers
Decreases fast	Large surplus of jobseekers	Large surplus of jobseekers

Occupation	Estimated demand for labour force for half a year									Estimated balance between supply and demand for labour force for half a year									Average balance between supply and demand for labour force	Jobseekers /month	Vacancies 11/2010 - 4/2011
	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI			
103 - Hospital nurses	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Great lack of jobseekers	68	842
106 - Practical nurses, orderlies, institution...	KAA	LAI	LOI	PAI*	RAI*	SAL	TKU	TUR*	UKI	KAA	LAI	LOI	PAI*	RAI*	SAL	TKU	TUR*	UKI	Great lack of jobseekers	134	822
152 - Social workers	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR*	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR*	UKI	Great lack of jobseekers	21	128
101 - Physicians	KAA	LAI	LOI	PAI	RAI*	SAL	TKU*	TUR*	UKI	KAA	LAI	LOI	PAI	RAI*	SAL	TKU*	TUR*	UKI	Great lack of jobseekers	6	101
132 - Pharmacists	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Great lack of jobseekers	5	10
154 - Social welfare workers, personal assista...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Great lack of jobseekers	193	472
035 - Nursery school teachers	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Lack of jobseekers	23	124
111 - Physiotherapists	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Lack of jobseekers	43	80
034 - Special education teachers	KAA	LAI	LOI	PAI	RAI*	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI*	SAL	TKU	TUR	UKI	Lack of jobseekers	5	81
121 - Dentists	KAA	LAI	LOI	PAI	RAI*	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI*	SAL	TKU	TUR	UKI	Great lack of jobseekers	4	29
122 - Dental nurses	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Great lack of jobseekers	9	38
123 - Dental hygienist	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Great lack of jobseekers	2	15
171 - Psychologists	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Lack of jobseekers	9	55
912 - Chefs, cooks, restaurant cooks in charge...	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR*	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR*	UKI	Great lack of jobseekers	383	693
113 - Speech therapy	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Lack of jobseekers	0	8
141 - Veterinarians	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Great lack of jobseekers	2	5
942 - Cleaners	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	KAA	LAI	LOI	PAI	RAI	SAL	TKU	TUR	UKI	Lack of jobseekers	404	1191



## Comparison of TE-offices and ELY-Centres

På svenska/Suomeksi



### Occupational Barometer of Selected Employment and Economic Development Offices, II / 2011

**\* Bottleneck problem**

Bottleneck problem is a situation where a labour shortage in the local labour market prevents offices and businesses from expanding

**! Additional information**

**Jobseekers /month**

Average amount of unemployed and laid-off persons per month in selected Employment and Economic Development Offices in the period of 11/2010 - 4/2011

**Vacancies**

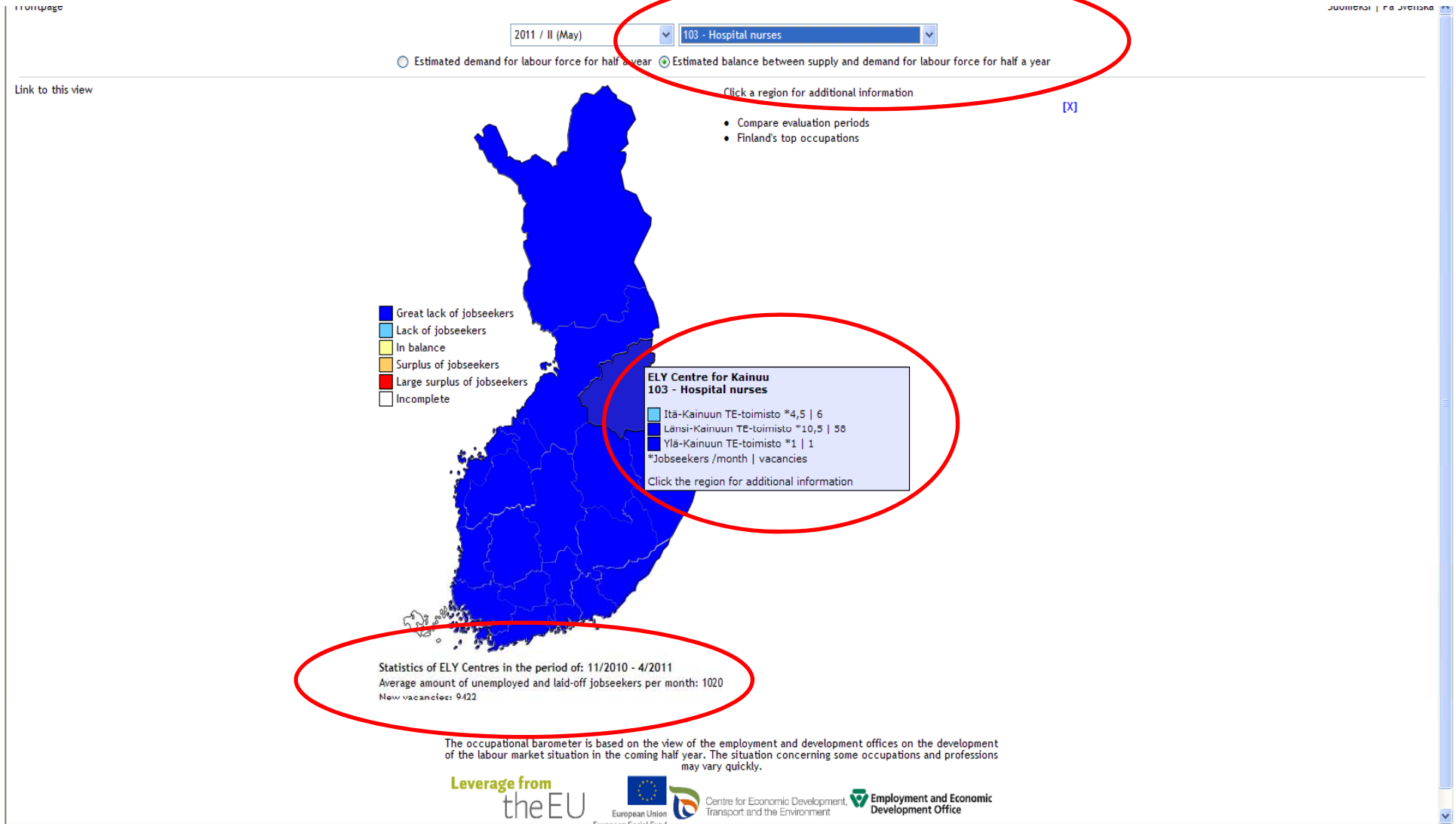
New vacancies in selected Employment and Economic Development Offices in the period of 11/2010 - 4/2011

OUL=Oulun seudun TE-toimisto  
 TRE=Tampereen TE-toimisto  
 TKU=Turun TE-toimisto  
 ESP=Espoon TE-toimisto  
 HKI=Helsingin TE-toimisto

Occupation	Estimated demand for labour force for half a year					Estimated balance between supply and demand for labour force for half a year					Balance between supply and demand for labour force in selected Employment and Economic Development Offices		
	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Jobseekers /month	Vacancies 11/2010 - 4/2011	
000 - Architects, construction architects	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Surplus of jobseekers	125	91
001 - Civil engineers and construction technic...	OUL	TRE	TKU!	ESP	HKI	OUL	TRE	TKU!	ESP	HKI	In balance	512	1027
002 - Engineers and technicians in electric po...	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Lack of jobseekers	229	435
003 - Engineers and technicians in electronics...	OUL	TRE	TKU!	ESP	HKI	OUL	TRE	TKU!	ESP	HKI	Surplus of jobseekers	928	542
004 - Mechanical engineers and mechanical engi...	OUL	TRE	TKU!	ESP	HKI	OUL	TRE	TKU!	ESP	HKI	In balance	726	826
005 - Engineers and technicians in chemistry a...	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Surplus of jobseekers	217	214
006 - Engineers and technicians in mining engi...	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	In balance	33	21
007 - Engineers and technicians in other field...	OUL	TRE	TKU	ESP	HKI!	OUL	TRE	TKU	ESP	HKI!	Surplus of jobseekers	450	330
008 - Measuring engineers and technicians, and...	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	In balance	82	89
009 - Technical drawers and other technical fi...	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Surplus of jobseekers	230	66
010 - Chemists	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Large surplus of jobseekers	228	48
012 - Life science technicians, laboratory ass...	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Surplus of jobseekers	271	97
021 - Biologists	OUL	TRE	TKU	ESP	HKI	OUL	TRE	TKU	ESP	HKI	Surplus of jobseekers	175	32

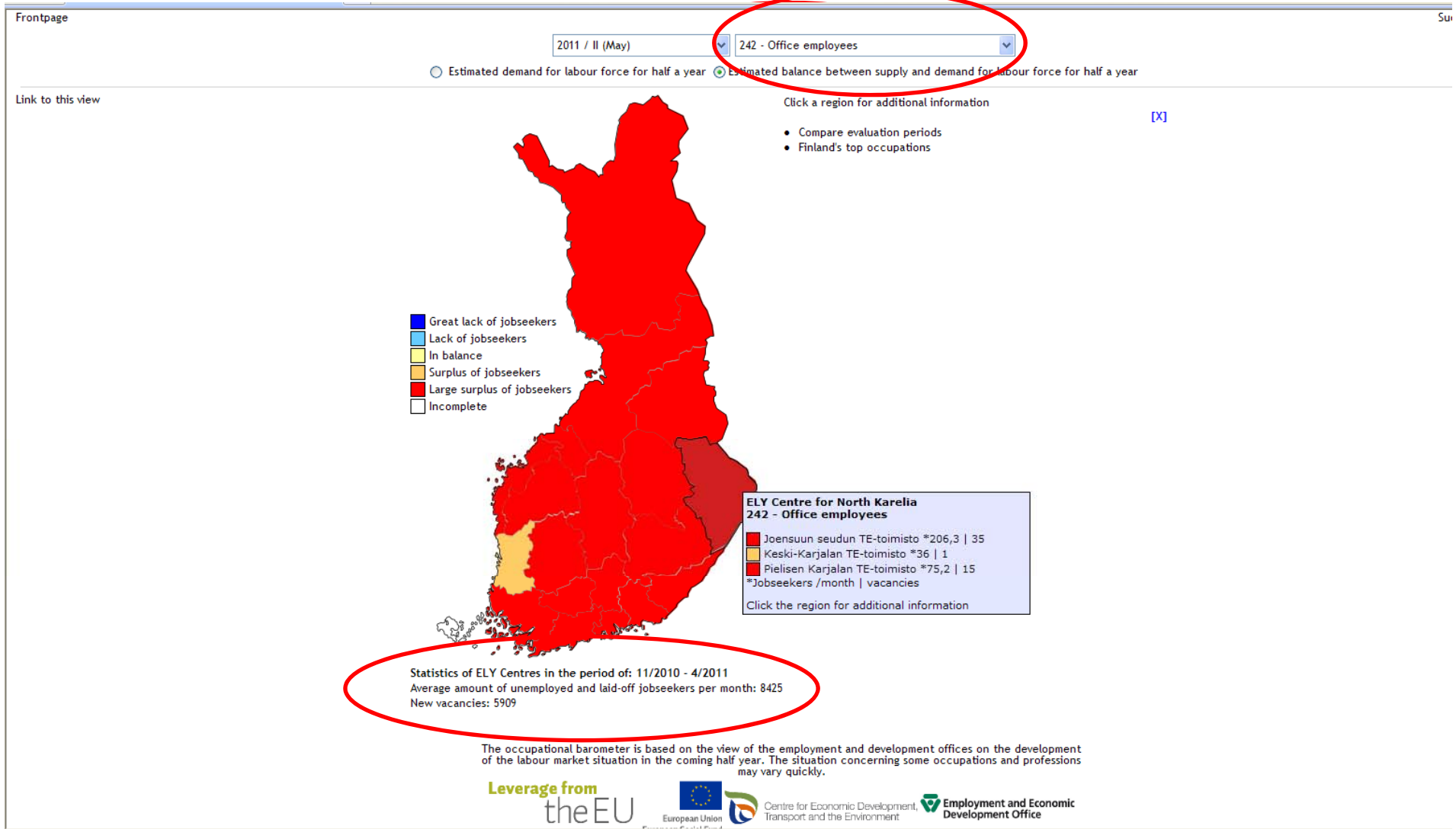


# The largest lack of job seekers, hospital nurses



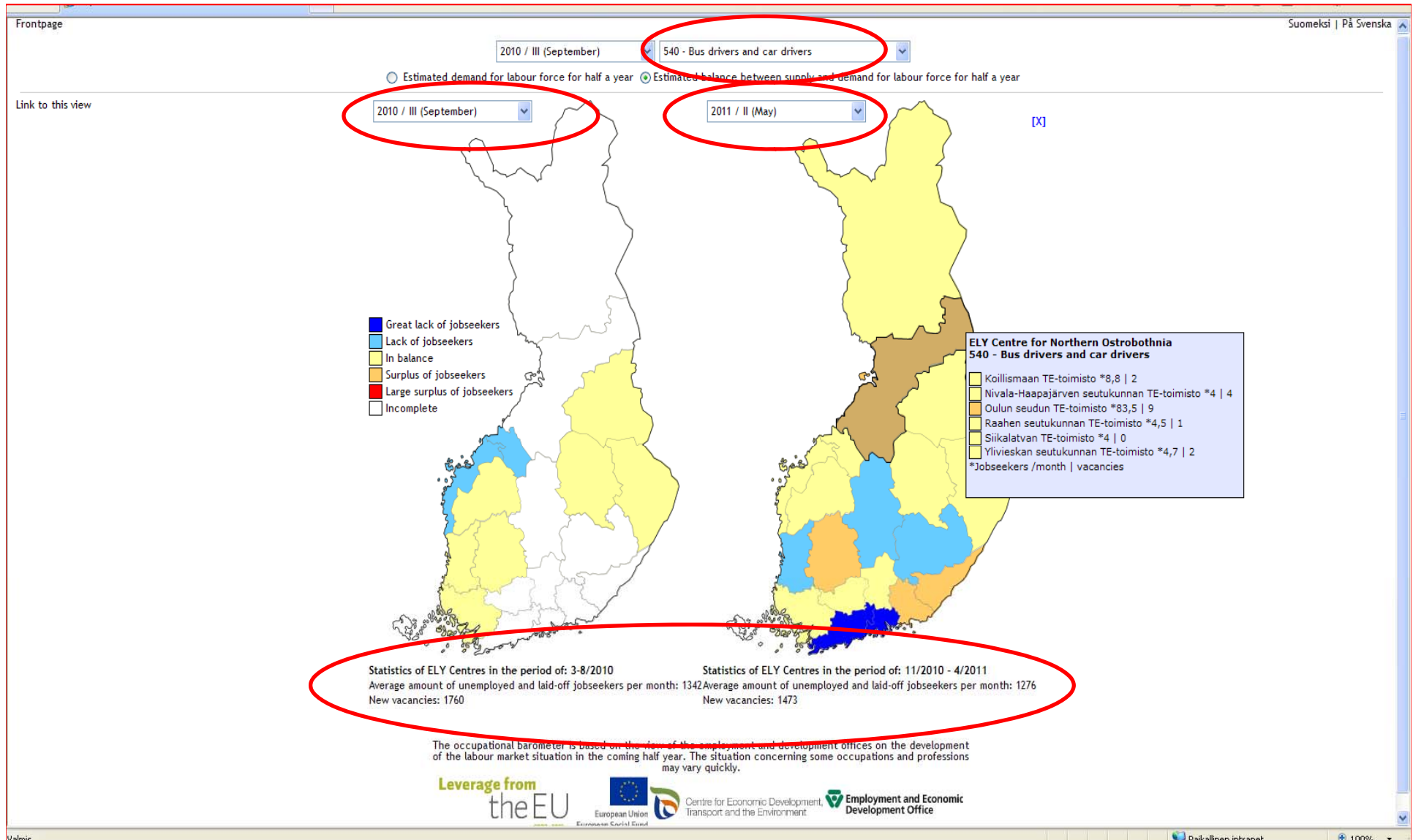


## The worst unemployment situation, office employees





# Comparison of time periods





## Southwest Finland's Occupational Barometer 2011 /1

The occupational barometer is based on the view of the employment and economic development offices on the development of the labour market situation in the coming half year. The situation concerning some occupations and professions may change quickly. The estimate was done in January 2011.

### SHORTAGE

Assisting work in care and medical examinations  
Bookkeepers, accountants  
Bridlayers  
Building maintenance workers  
Chefs, cooks, restaurant cooks in charge of cold food  
Children's nurses, nursing  
Cleaners  
Computer operators  
Cruise operators  
Dealers of fossil and movable property  
Dental hygienist  
Dental nurses  
Dentists  
Engine officers  
Engineers and technicians in electric power engineering

Entrepreneurs  
Floor layers and tile setters  
Food workers, waiters  
Home aids, home helps  
Hospital nurses  
House managers, stock clerks  
Institutional catering managers  
Interviewers  
Kitchen workers, restaurant workers  
Laboratory nurses, radiographers  
Nursery school teachers  
Occupational therapists  
Pharmacists  
Physicians  
Physiotherapists  
Practical nurses, orderlies, institution based

Personal care workers  
Psychiatric nurses  
Psychologists  
Sales representatives and telemarketers  
Senior social workers and administrative managers  
Social welfare workers, personal assistants, home based personal care workers  
Social workers  
Special education teachers  
Speech therapists  
Steel fixers, concrete placers, concrete finishers and related work  
Steel fixers, concrete workers  
Truck drivers and drivers of special articulated vehicles  
Veterinarians

### BALANCE

Accommodation business managers  
Advertising and marketing managers, designers and researchers  
Architects, construction architects  
Asphalt, rail and road construction workers  
Assemblers of engineering works products and metal industry products  
Bakers, pastrycooks and confectionery makers  
Boatbuilders, panel process operators/joiners  
Brewing and soft drink industry workers, distillery workers  
Buildings painters  
Bus drivers and car drivers  
Business executives  
Butchers, meat processing workers  
Buyers  
Casino and arcade game managers  
Child day care workers  
Childminders, day care  
Civil engineers and construction technicians  
Class teachers  
Cleaning and forwarding agents, transport planners  
Clergymen  
Couriers, delivery service staff  
Truck drivers and engine crew  
Deck officers  
Earth moving machine operators  
Electrical line installers  
Electrical mechanics fitters  
Employees in organizations and unions  
Employment and recruitment service officials

Engineers and technicians in chemistry and technology  
Executives in organizations and unions  
Financial management planners, cost accountants  
Fire fighters  
Gardeners  
Gardening assistants  
Gardening managers  
Hairdressers, beauticians, bathing aids  
Housekeepers, household managers, domestic workers  
Industrial painters and varnishers  
Insulation workers  
Insurance employees  
Laundry and cleaner's shop workers  
Legal advisers, counsellors and experts  
Lifting truck operators  
Machine and engine mechanics  
Mail carriers and mail sorting staff  
Market vendors, door to door salespersons  
Meal service workers and salespersons in cafes, canteens etc.  
Measuring engineers and technicians and cartographers  
Metal working workers  
Office sales representatives  
Other officials in post and telecommunications  
Pharmaceutical assistants  
Plastic workers  
Police  
Precision mechanics

Preserved (canned) and frozen food workers  
Process operators  
Processed food workers  
Road traffic and transport management  
Sales executives  
Salespersons  
School headmasters and principals  
Securities and financial service dealers  
Security guards  
Senior civil servants  
Senior officials in local government  
Service station staff  
Sewers in the garment industry  
Shoemakers  
Shop managers  
Sports and physical education instructors  
Stevedoring and loading workers  
Switchboard operators  
Timber workers  
Trainers and instructors  
Translators, interpreters  
Travel consultants, travel organisers and secretaries  
Trial lawyers  
University teachers and teachers in other institutes of higher education  
Upholsterers  
Warehouse assistants  
Wholesalers and retailers  
Word processor operators, typists  
Youth workers and temperance work instructors

### SURPLUS

Advertising designers, coordinators  
Archive clerks and museum employees  
Assemblers of electric, electronic and teletechnical products  
Bank employees  
Biologists  
Bookbinders and related workers, finishing room workers  
Builders  
Calendricalizers  
Carpenters and joiners  
Chemists  
Chocolate products and confectionery makers  
Designers  
Directors, stage managers  
Drama artists  
Electricians  
Engineers and technicians in electronics, information technology and telecommunications environments and other nature protection work

General construction workers  
General workers, industry  
Goldsmiths and silversmiths  
Hand packers  
HR managers, consultants  
Information officers, press officers  
IT managers, designers, programmers, consultants and experts  
IT operators, IT support persons  
Journalists, reporters  
Library clerks  
Life science technicians, laboratory assistants  
Machine fitters, mechanics  
Machine tool setters, setter operators and toolmakers  
Mechanical engineers and mechanical engineering technicians  
Musicians  
Office caretakers  
Office workers  
Photographers, cinematographers

Pipe workers  
Platers, sheet metal workers  
Researchers in the humanities and natural sciences  
Printers  
Researchers in social sciences  
Secretaries  
Stereotypers and electrotypers  
Subject teachers, lecturers  
Tailors, alterer dressmakers and dressmakers working at home  
Technical drawers and other technical fields  
Telecommunications engineers and electronics mechanics  
Textile designers, pattern cutters  
Travel agents, guides  
Wound artists  
Warehouse operators  
Welders, gas cutters  
Woodworking machine setters and selfoperators





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## **Exploitation of the Occupational Barometer:**

- Employment services, matching
- Vocational guidance
- Promotion the mobility of workforce (regional and occupational)
- Planning of adult and vocational training
- Planning of immigration
- EURES-services
- Services of employers – recruitment of new labour force
- Guidance of employers in new locations
- Labour market analysis (the prospects of occupations, shortages...)



## **Challenges in developing Occupational Barometer in Finland**

- **The Finnish OB will be published in the Internet in autumn 2011**
- **Concentrated national-regional information of the results of OB**
  - **National and regional reports**
- **The exploitation and application of the results in the planning processes and in decisions of the national, regional and local actors**
- **International cooperation**
  - **Malopolska Observatortory; translation in Polish ready**
  - **ILO-ITC; Mutual learning between Finland and Baltic countries**



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## Challenges II

**Visions** for the Occupational Barometer by the OB-group  
of SW Finland:

1. Short term; OB in all regions in Finland 2010  
and in the Internet 2011
2. Middle term; OB in all the Baltic Sea countries  
2015
3. Long term ; OB in Europe 2020



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# Thank you for your attention!

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