

# Luxembourg

SLOT: Société luxembourgeoise de chirurgie  
orthopédique et traumatologique founded in 1984

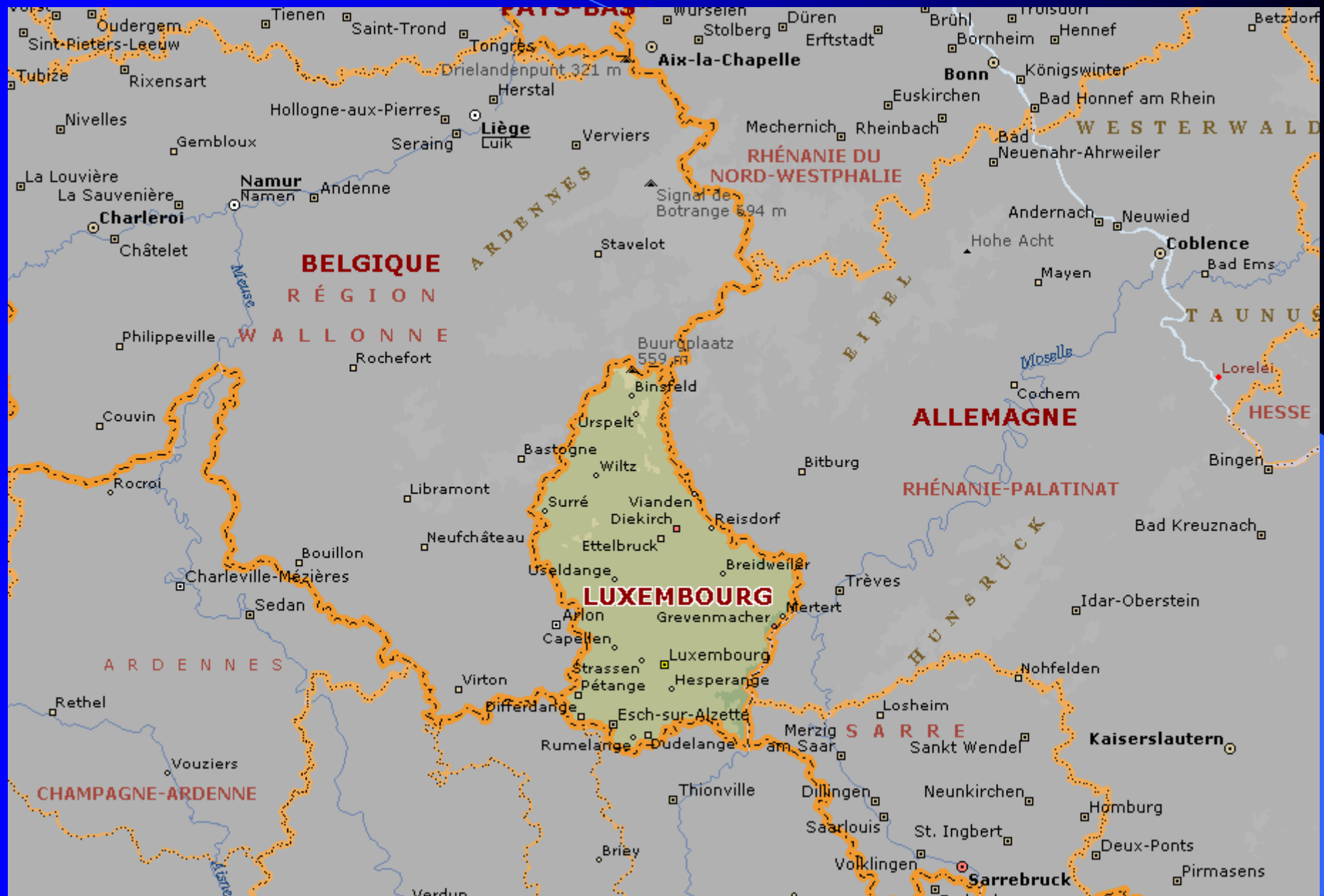


UEMS Meeting Stockholm Sweden  
8th+9th of June, 2012  
Dr Henri Schlammes

# Geography



# Geography



## History

- Construction of Luxembourg castle in 963
- Successive occupants
- 1815:Congress of Vienna: autonomy
- 1839:Independence

King of the Netherlands=head of the state  
until 1890

Politics of neutrality

Funding Member of NATO and the United  
Nations

1957:one of the six founding countries of the  
European Economic Community



## Politics

Parliamentary form of government with a constitutional monarchy by inheritance.

Head of state: Grand Duke

Executive power: cabinet + prime minister

Legislative power: Chamber of Deputies  
directly elected to 5-year terms.

## Economy

initially: Agriculture and steel

Past decades: financial sector

Financial ties to Belgium and the Netherlands  
and the open European market

Home of European institutions:

- European Investment Bank

- European Court

## Population and language

- 511840 inhabitants (01.01.2011)

Prognosis for 2055: 670.000

Working population: 379553 (31.10.2011)

Including 159547 from EU countries

Official languages: Luxemburgish, French  
and German



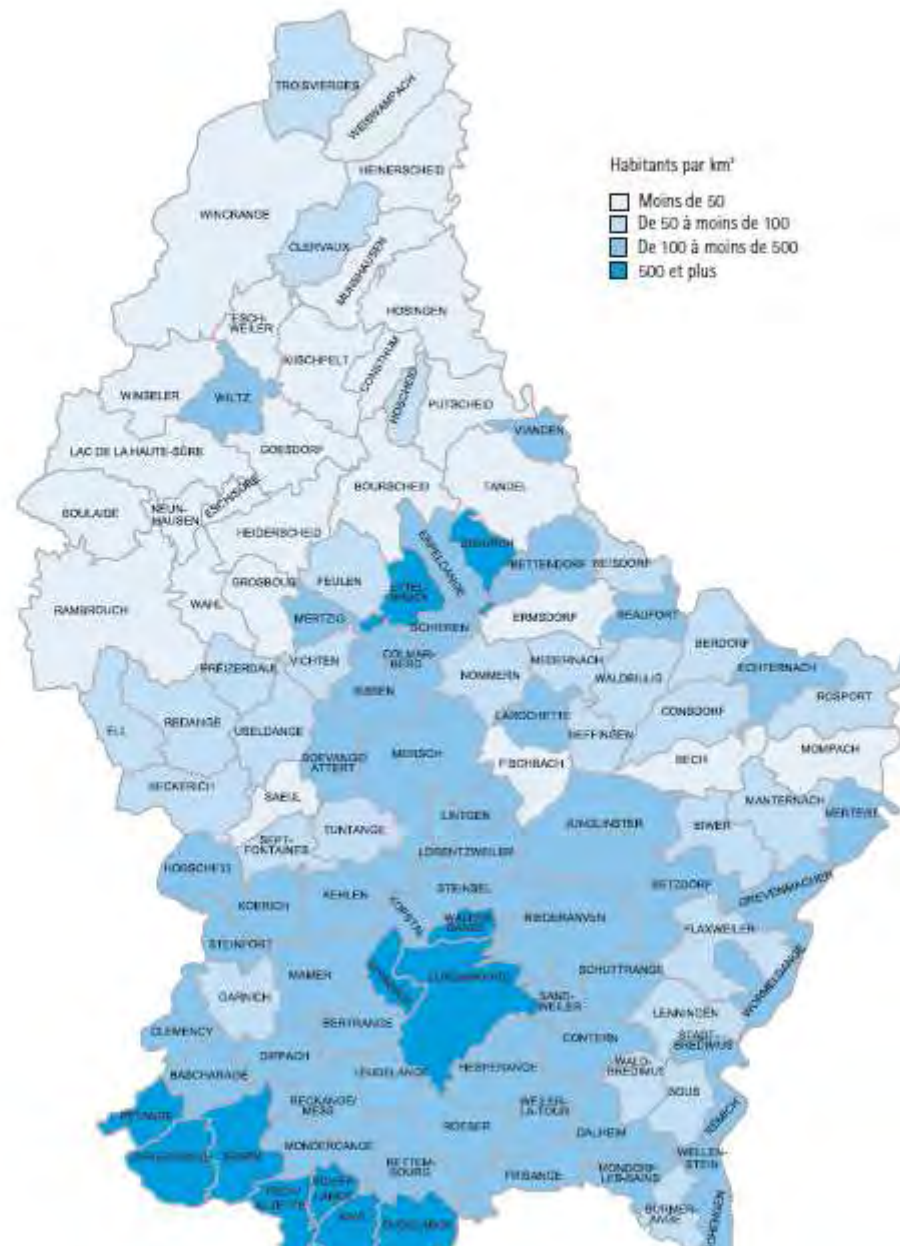
OECD Factbook 2011: Economic, Environmental and Social Statistics - ISBN 978-92-64-11150-9 - © OECD 2011  
 Special chapter : OECD Turns 50 - People and life - Population

## Population evolution over decades

*Average population levels, thousands*

	1980s	1990s	2000s	2010s	2020s	2030s	2040s
Australia	15 956	18 199	20 699	23 802	27 066	30 083	32 793
Austria	7 586	7 929	8 229	8 545	8 758	8 906	8 977
Belgium	9 882	10 141	9 458	10 697	10 914	11 026	10 964
Canada	26 106	29 415	32 485	35 129	37 740	39 880	41 367
Chile	12 240	14 453	16 341	17 916	19 150	19 908	20 181
Czech Republic	10 338	10 309	10 310	10 296	10 209	9 954	9 620
Denmark	5 123	5 245	5 438	5 539	5 638	5 690	5 653
Estonia	1 533	1 443	1 348	1 332	1 313	1 277	1 256
Finland	4 901	5 108	5 265	5 454	5 622	5 713	5 738
France	55 438	57 956	55 009	63 964	66 334	68 356	69 630
Germany	78 230	81 522	74 101	82 806	81 879	79 583	76 259
Greece	9 945	10 640	9 999	11 390	11 374	11 175	10 820
Hungary	10 612	10 309	10 085	9 929	9 717	9 356	8 921
Iceland	243	269	302	318	336	348	354
Ireland	3 513	3 637	4 185	4 592	4 949	5 220	5 423
Israel	4 276	5 618	7 009	..	..	..	..
Italy	56 600	56 859	52 686	59 096	58 611	57 708	56 454
Japan	121 093	125 599	127 575	125 047	118 796	110 127	99 910
Korea	40 936	45 236	48 364	49 239	49 031	47 535	44 260
Luxembourg	370	411	419	503	549	592	629
Mexico	76 595	92 246	104 287	112 602	118 833	122 306	122 575
Netherlands	14 564	15 497	14 673	16 625	16 897	16 990	16 863
New Zealand	3 295	3 691	4 144	4 432	4 714	4 926	5 029
Norway	4 167	4 373	4 669	4 922	5 241	5 527	5 755
Poland	37 177	38 242	38 172	37 361	36 770	35 900	34 366
Portugal	9 981	10 063	9 460	10 763	10 873	10 889	10 774
Slovak Republic	5 169	5 357	5 395	5 414	5 386	5 237	5 000
Slovenia	1 887	1 965	1 802	2 044	2 048	2 016	1 974
Spain	38 404	39 486	43 667	45 289	45 505	44 990	43 669
Sweden	8 392	8 788	9 093	9 463	9 879	10 161	10 382
Switzerland	6 508	7 025	7 493	8 148	8 587	8 833	8 951
Turkey	50 565	60 189	68 968	76 936	85 950	93 377	96 061
United Kingdom	56 664	58 115	59 991	64 757	69 025	72 573	75 650

# Densité de la population au 1<sup>er</sup> janvier 2011





## Tableau de bord EMPLOI \*

### Situation de l'emploi au dernier jour ouvrable du mois

Nombre de personnes présentes au 31 octobre 2011

		total	hommes	femmes	dont frontaliers
1-	Salariés (SU) <sup>1)</sup>	329 276	199 691	129 585	155 444
1.1-	dont Intérim	5 875	4 820	1 055	4 009
1.2-	dont Agents locaux	493	192	301	155
2-	Fonctionnaires	27 766	17 171	10 595	771
3-	Non salariés	22 611	14 272	8 339	3 332
<b>4 (1+2+3)-</b>	<b>EMPLOI TOTAL</b>	<b>379 653</b>	<b>231 134</b>	<b>148 519</b>	<b>159 547</b>
4.1-	dont Détachements	9 496	9 041	455	6 366
5-	Emploi total du mois précédent	379 542	231 462	148 080	159 968
	variation (4)/(5)	0,0 %	-0,1 %	0,3 %	-0,3 %
6-	Emploi total du mois correspondant de l'année précédente	369 995	226 734	143 261	155 847
	variation (4)/(6)	2,6 %	1,9 %	3,7 %	2,4 %

## Health system

- Union des Caisses de Maladie:

Union of initially independent health insurances from different sectors of the economic life

Membership obligation for every economically active person

**HEALTH EXPENDITURE****Total expenditure on health, % gross domestic product**

	2005	2006	2007	2008	2009	2010
<b>Australia</b>	8.4	8.5	8.5	8.7		
<b>Austria</b>	10.4	10.3	10.3	10.4	11.0	
<b>Belgium</b>	10.1	9.6	9.7	10.1	10.9	
<b>Canada</b>	9.8	10.0	10.0	10.3	11.4	11.3
<b>Chile</b>	6.9	6.6	6.9	7.5	8.4	
<b>Czech Republic</b>	7.2	7.0	6.8	7.1	8.2	
<b>Denmark</b>	9.8	9.9	10.0	10.3	11.5	
<b>Estonia</b>	5.0	5.0	5.2	6.1	7.0	
<b>Finland</b>	8.4	8.4	8.1	8.4	9.2	8.9
<b>France</b>	11.1	11.0	11.0	11.1	11.8	
<b>Germany</b>	10.7	10.6	10.5	10.7	11.6	
<b>Greece</b>	9.6	9.6	9.6			
<b>Hungary</b>	8.3	8.1	7.5	7.2	7.4	
<b>Iceland</b>	9.4	9.1	9.1	9.1	9.7	9.3
<b>Ireland</b>	7.6	7.5	7.7	8.8	9.5	
<b>Israel</b>	7.8	7.6	7.6	7.7	7.9	
<b>Italy</b>	8.9	9.0	8.7	9.0	9.5	9.6
<b>Japan</b>	8.2	8.2	8.2	8.5		
<b>Korea</b>	5.7	6.0	6.3	6.5	6.9	7.0
<b>Luxembourg</b>	7.9	7.7	7.1	6.8	7.8	
<b>Mexico</b>	5.9	5.7	5.8	5.8	6.4	6.1
<b>Netherlands</b>	9.8	9.7	9.7	9.9	12.0	
<b>New Zealand</b>	8.7	9.1	8.8	9.6	10.3	
<b>Norway</b>	9.1	8.6	8.9	8.6	9.6	
<b>Poland</b>	6.2	6.2	6.4	7.0	7.4	
<b>Portugal</b>	10.4	10.1	10.0	10.1		
<b>Slovak Republic</b>	7.0	7.3	7.7	8.0	9.1	
<b>Slovenia</b>	8.4	8.3	7.8	8.4	9.3	
<b>Spain</b>	8.3	8.4	8.5	9.0	9.5	
<b>Sweden</b>	9.1	8.9	8.9	9.2	10.0	
<b>Switzerland</b>	11.2	10.8	10.6	10.7	11.4	11.6
<b>Turkey</b>	5.4	5.8	6.0	6.1		
<b>United Kingdom</b>	8.2	8.5	8.4	8.8	9.8	

## Health system

- 8 hospitals

All general practitioners and most specialist doctors are private doctors (except one hospital employing full time salaried specialists)

They all work under a tarification agreement made with the Union des Caisses de Maladie (fixed prices for every medical act) (conventionnement obligatoire)

No real private medicine.



- Every patient has the liberty to choose his general practitioner and medical specialist
- 40 % of all patients have a medical specialist as ‘their doctor’.





## Manpower data

- 42 orthopaedic specialists
  - 32 of them treating regularly trauma
  - 35 general surgeons treating also trauma
  - 39/42 are full time private orthopaedic specialists
  - 3 with more than 60 years.
  - 2 female orthopaedic specialists

## Activity

- 2005 2006 2007 2008 2009 2010
- Hip repl. 880 866 962 913 937 864
- Knee repl. 639 633 693 704 690 673
- Average waiting list for a total hip replacement: 5 weeks (1-12)

## European working time directive

Few discussion for the moment

No recommended official working time



## Medical training



- University of Luxembourg: first year
  - Collaboration with foreign universities:  
(Belgium, France, Germany, Switzerland)
- 3 training centers collaborating with  
neighbour country universities

## Orthopaedic training program

- Depends on the university
- Generally 1-2 years could be accomplished in Luxembourg
- No government rules concerning duration and content of training
- The candidate who has accomplished his training in a European Union country can apply for working in Luxembourg

## Problems

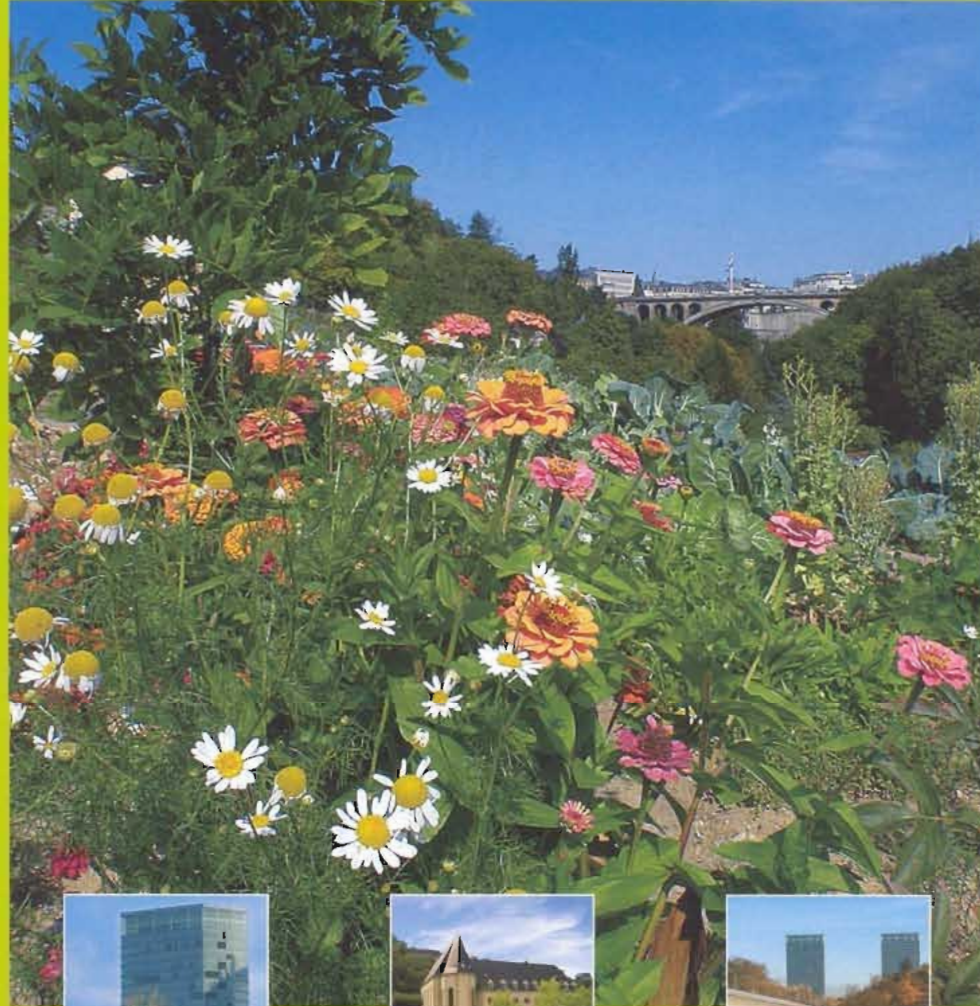
- Demographic structure/ aging population
  - Technical evolution
- >generation of new costs/ control of budgets



# welcome to luxembourg

nr 12  
2005

THE CITY HIGHLIGHTS





Luxembourg - Les gardes du Palais Grand Ducal [HQ].mp4