

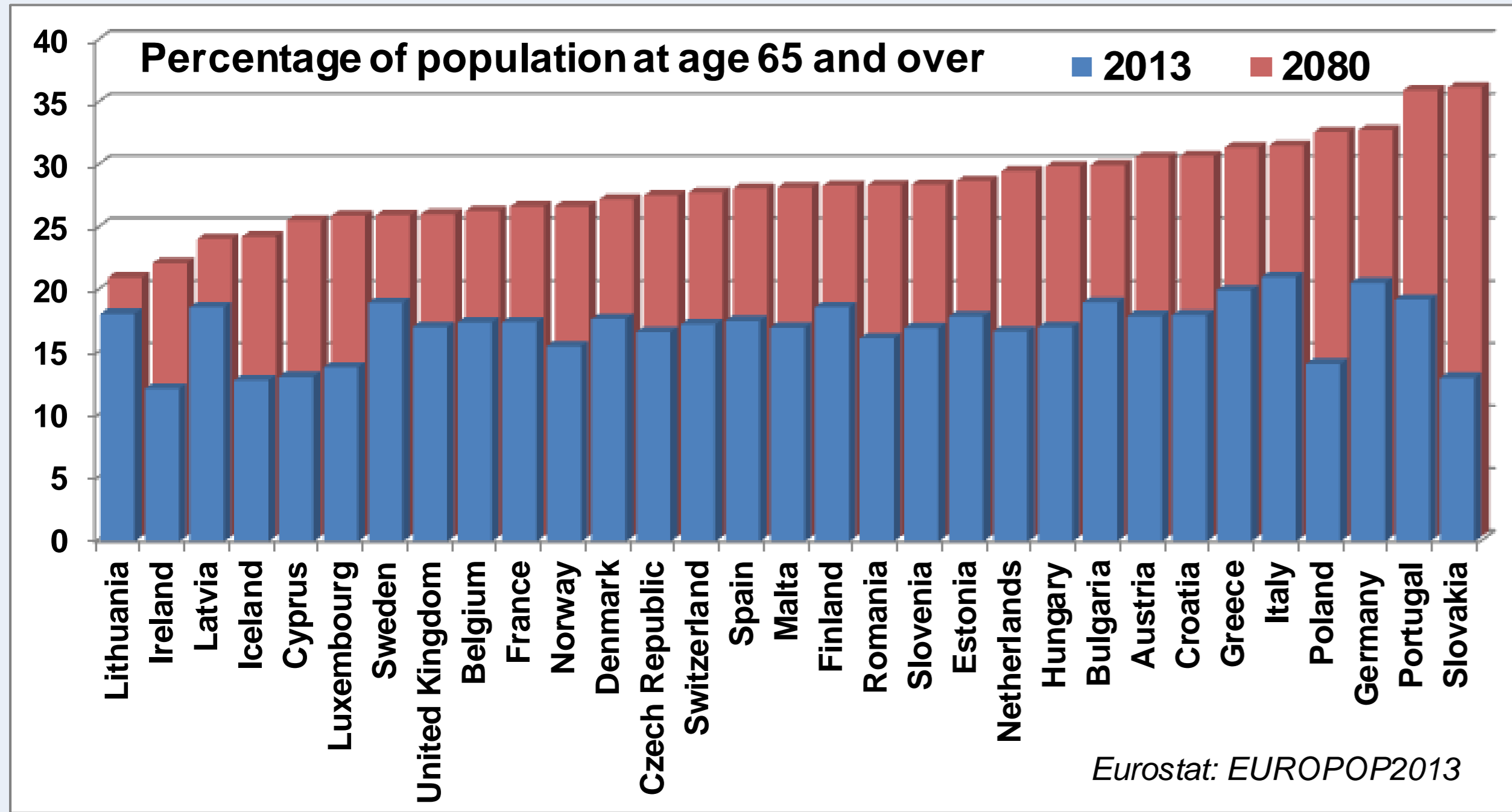


EU Population Ageing: Is the Divide in Conditions followed by a Split in Attitudes?

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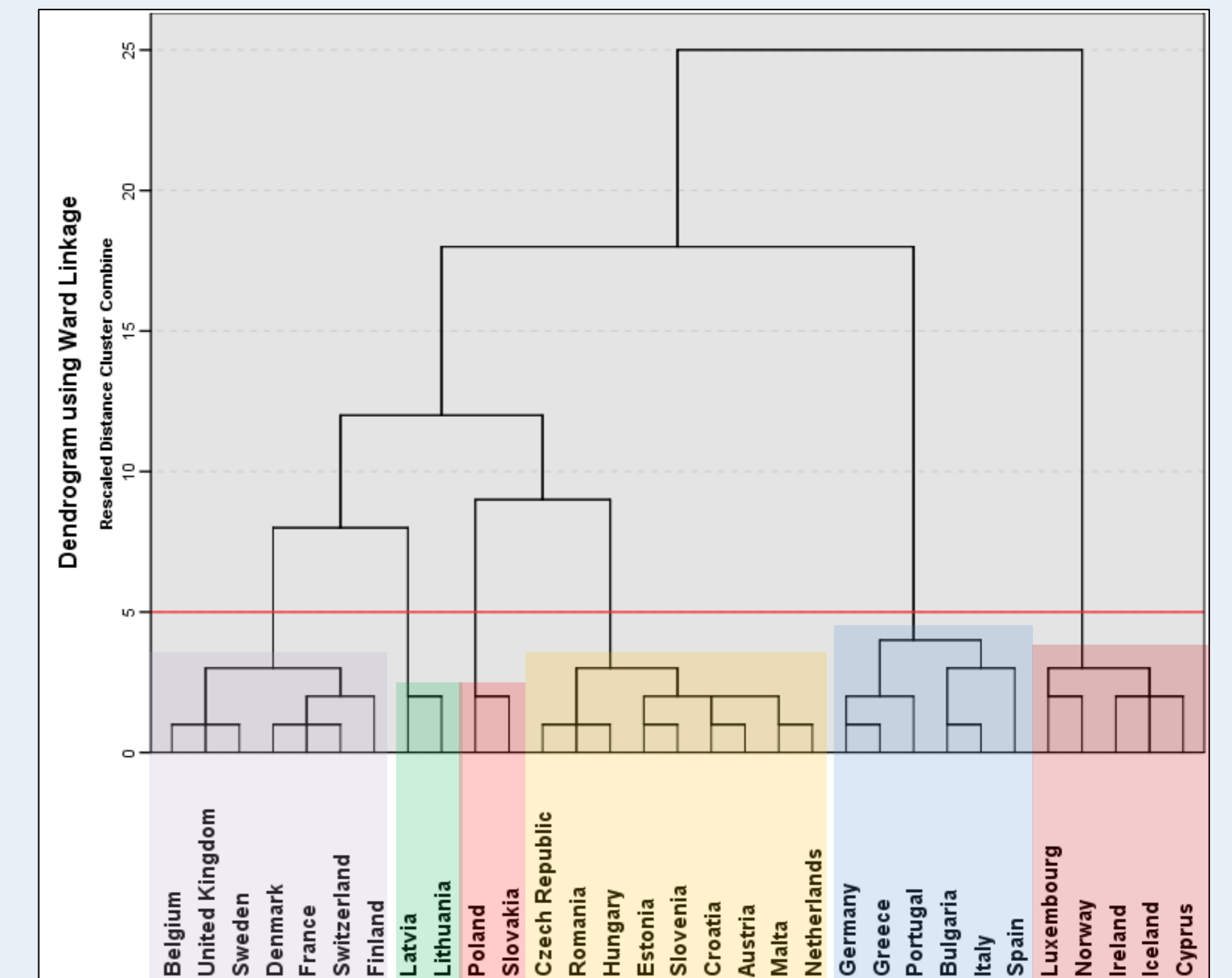
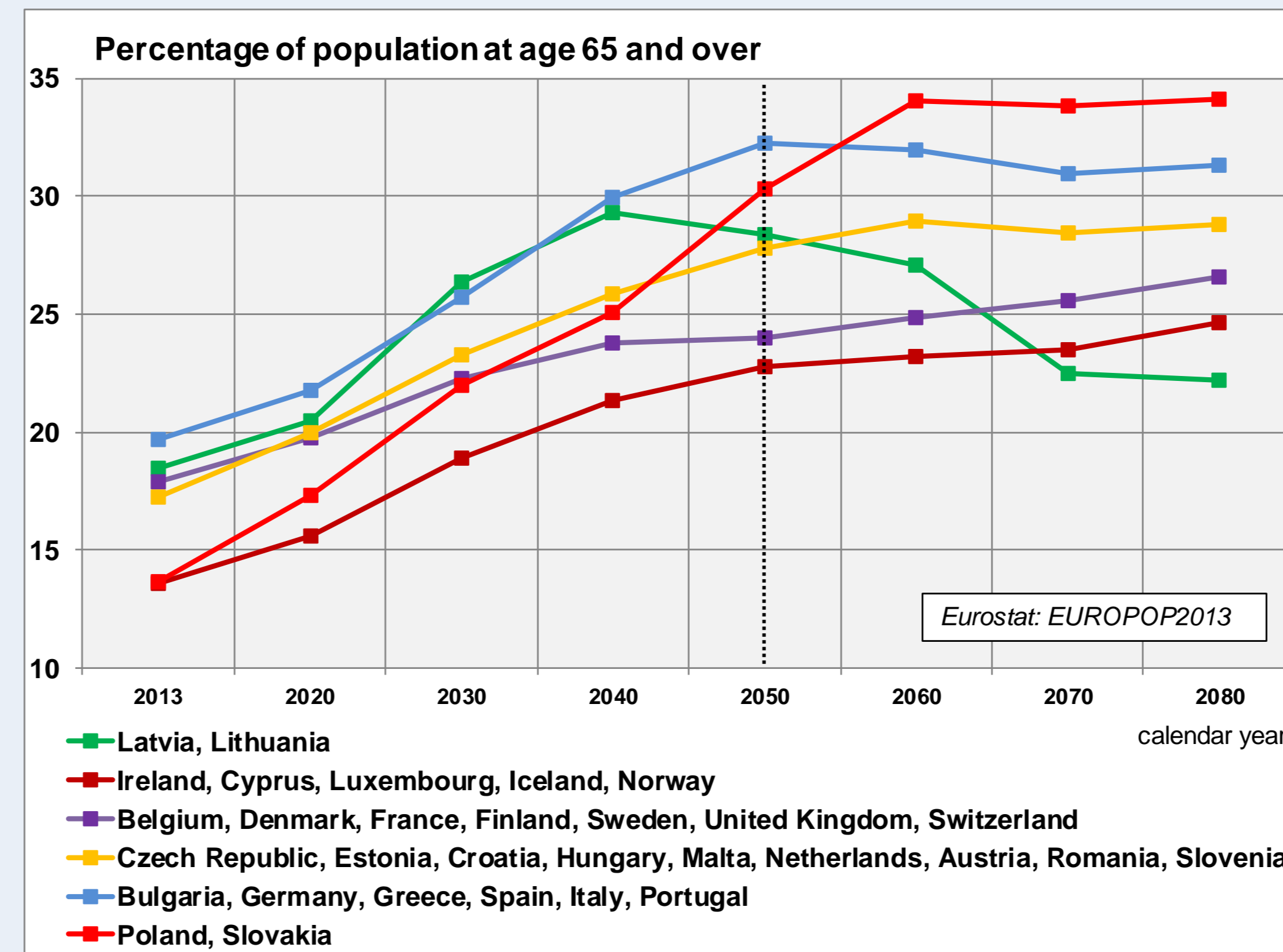
In the future, virtually all countries will face population ageing and the phenomenon is expected to be irreversible. According to EUROPOP2013 projection, the percentage of people in EU28 aged 65+ will increase from 18.2 % in 2013 to 28.7 % in 2080. However, the pace of ageing will vary across countries. Former Eastern European populations, while young today, will belong among the oldest in the future. On the other hand, West and North of Europe will experience a rather decelerating trend in the population ageing. The shift in the proportion of the age groups will result in the increase of old age dependency ratio (OADR= P_{65+}/P_{20-64}). The traditional backward looking definition of OADR based on chronological (retrospective age) has recently been replaced by a new concept of forward looking prospective age when measuring population ageing (Sanderson, Scherbov 2007).

These new perspectives raise questions: What will the attitudes be towards the elderly? What age is considered as the starting point of being old?

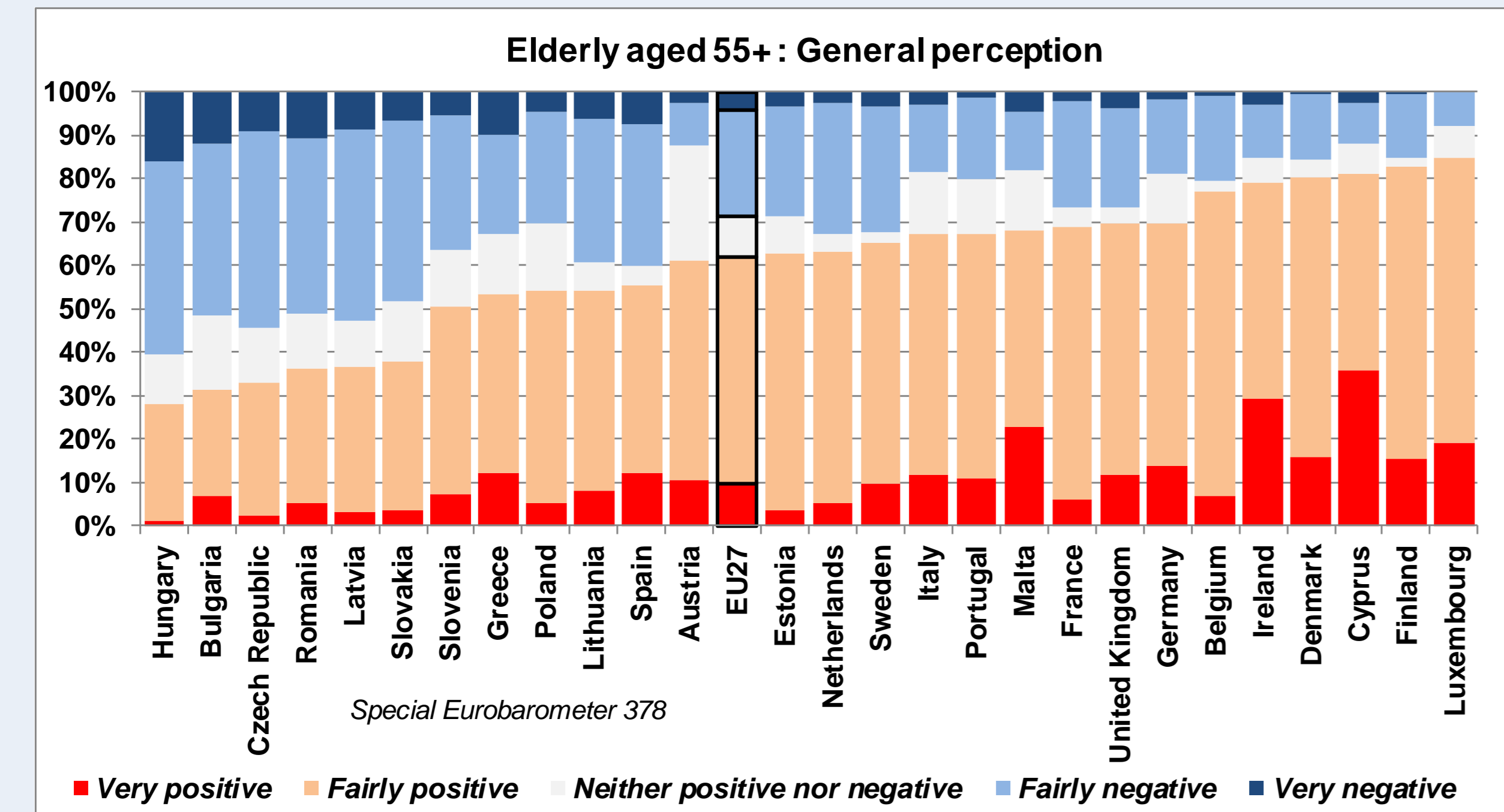
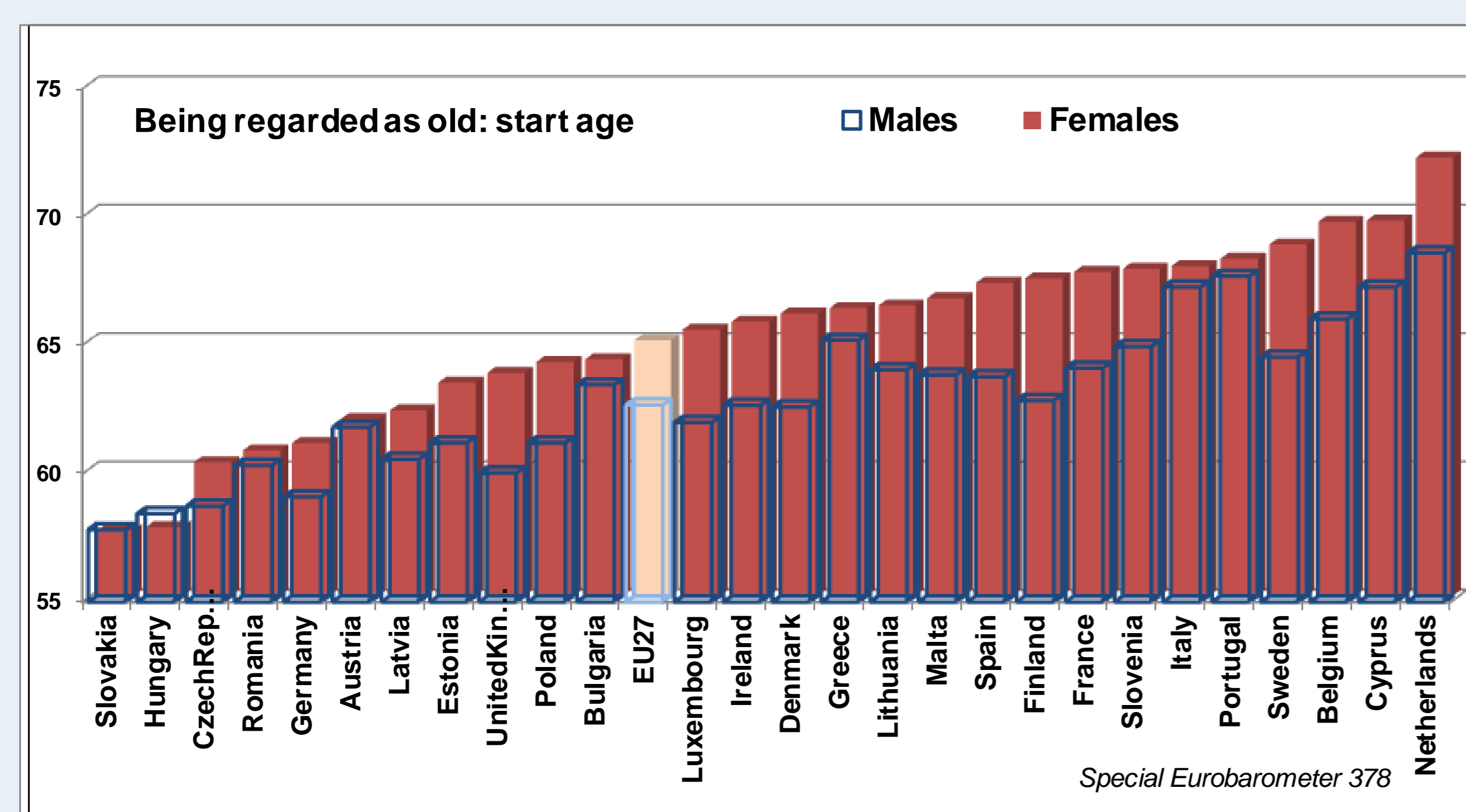


The oldest populations will be expected in Central and Southern Europe irrespective of the current age structure. Future fertility and mortality trends will impact on the pace of population ageing.

Different pace of population ageing

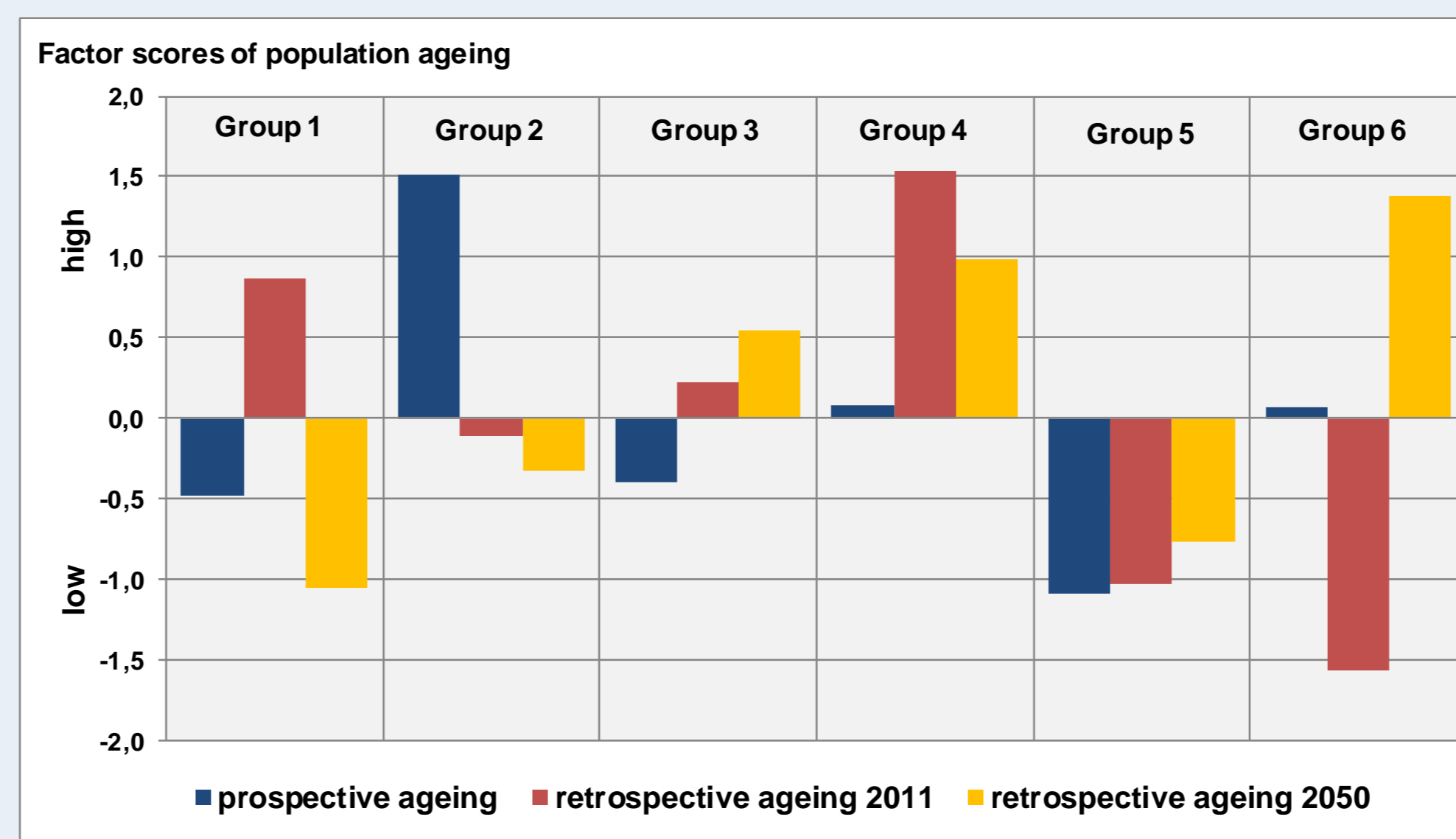


The pace towards ageing will be country specific and of different speed. 1) populations that are younger today will stay relatively young in the future although they will experience the increase of those aged 65 or over (Ireland, Iceland, Cyprus), 2) populations already old will become older (Germany Italy), 3) populations showing the fastest speed of ageing will be shifting from being young towards some of the oldest ones (Southern, Central, and most of Eastern Europe).



Old and new perspectives of population ageing: retrospective and prospective approaches

Country grouping according to the change of population ageing between 2011 and 2050



	Factor 1 Prospective ageing	Factor 2 Retrospective ageing 2011	Factor 3 Retrospective ageing 2050
Prospective old-age dependency ratio 2011	0.902	0.389	-0.006
Prospective old-age dependency ratio 2050	0.897	0.097	0.383
Proportion with a remaining life expectancy of 15 years or less 2011	0.887	0.424	0.071
Proportion with a remaining life expectancy of 15 years or less 2050	0.347	0.070	0.472
Old-age dependency ratio 65+/20-64 2011	0.138	0.977	0.102
Proportion of the population aged 65+ 2011	0.250	0.843	0.203
Population median age 2011	0.283	0.854	0.335
Proportion of the population aged 65+ 2050	0.219	0.247	0.938
Old-age dependency ratio 65+/20-64 2050	0.046	0.333	0.925
Population median age 2050	0.549	0.000	0.780
Cumulative variance %	62.0	80.4	96.3

- Group 1: Belgium, Denmark, Finland, Sweden, United Kingdom
- Group 2: Bulgaria, Croatia, Estonia, Hungary, Latvia, Lithuania, Romania
- Group 3: Austria, Czech Republic, France, Netherlands, Portugal, Slovenia, Spain, Switzerland
- Group 4: Germany, Greece, Italy
- Group 5: Cyprus, Iceland, Ireland, Luxembourg, Norway
- Group 6: Malta, Poland, Slovakia

Source: European Demographic Data Sheet 2012; <http://www.oew.ac.at/vid/datasheet/index.html>

Prospective indicators of population ageing when compared to retrospective ones mostly show lower values. However, in former Eastern Europe (group 2) due to high mortality and low fertility levels, the new concept of measuring does not improve the image of ageing.

People view the beginning of old age differently. Women feel that old age begins later than men do. The start of old age is increased by older respondents compared with youngsters. After adjustment for gender and age, country ranking does not change too much, compared with an unadjusted picture. To feel old at a lower age can be found in Slovakia, Hungary, Czech Republic, while not feeling too old despite higher chronological age is seen in the Netherlands, Cyprus, Portugal, Belgium...

Negative opinions towards elderly are particularly seen in Hungary, Czech Republic, and Bulgaria. Men perceive older people more positively than women. Older respondents were more likely to see negative attitudes towards people over 55 years of age in their country.

Despite apparently negative connotations, population ageing should be seen as a human success story – the triumph of public health, medical advancements, and economic development over diseases and injuries that had limited human life expectancy for millennia (Kinsella and Philips 2005). To compute demographic and statistical indicators, including modelling and forecasting, is important. **However, population attitudes are no less important for coping with our future!**

Acknowledgments

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Literature and sources

- Active Ageing, Special Eurobarometer 378, 2012
- Sanderson, W. and Scherbov, S. 2007: A new perspective on population ageing. Demographic Research. 16(2), pp.27-58
- Kinsella, K. and Philips D.R. 2005 : Global Aging : The Challenge of Success. Population Bulletin 60 (1), pp.342-16

For further information

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Dependent variable: Start age when being regarded as old	Estimate	Pr > ChiSq	Dependent variable: General perception of elderly aged 55+	Estimate	Pr > ChiSq
Male	-2,00	<.0001	Male	0,08	0,0078
Female	0		Female	0	
15-24	-8,89	<.0001	15-24	0,32	<.0001
25-34	-6,13	<.0001	25-34	0,36	<.0001
35-44	-5,06	<.0001	35-44	0,29	<.0001
45-54	-3,90	<.0001	45-54	0,09	0,0547
55-64	-2,34	<.0001	55-64	-0,02	0,6298
65+	0		65+	0	
Slovakia	-12,41	<.0001	Hungary	-1,44	<.0001
Hungary	-12,41	<.0001	Czech Republic	-1,17	<.0001
Czech Republic	-10,90	<.0001	Bulgaria	-1,16	<.0001
Germany	-10,87	<.0001	Latvia	-1,07	<.0001
Romania	-9,63	<.0001	Romania	-1,04	<.0001
Austria	-8,62	<.0001	Slovakia	-0,93	<.0001
United Kingdom	-8,46	<.0001	Lithuania	-0,36	0,0406
Latvia	-8,23	<.0001	Spain	-0,34	<.0001
Estonia	-7,83	<.0001	Slovenia	-0,34	0,1203
Poland	-7,42	<.0001	Greece	-0,19	0,1176
Bulgaria	-6,70	<.0001	Poland	-0,09	0,2914
Luxembourg	-6,57	0,0018	Netherlands	0	
Denmark	-6,14	<.0001	Sweden	0,05	0,6621
Ireland	-5,78	<.0001	Estonia	0,09	0,7554
Finland	-5,39	<.0001	France	0,29	0,0007
Lithuania	-4,96	<.0001	United Kingdom	0,30	0,0004
Spain	-4,95	<.0001	Portugal	0,53	<.0001
Malta	-4,90	0,0335	Italy	0,65	<.0001
Greece	-4,58	<.0001	Germany	0,67	<.0001
France	-4,57	<.0001	Belgium	0,68	<.0001
Slovenia	-4,01	0,0003	Malta	0,77	0,1977
Sweden	-3,90	<.0001	Austria	0,95	<.0001
Italy	-3,21	<.0001	Ireland	0,95	<.0001
Belgium	-2,63	<.0001	Denmark	1,00	<.0001
Portugal	-2,39	<.0001	Finland	1,03	<.0001
Cyprus	-1,63	0,3187	Cyprus	1,26	0,0091
Netherlands	0		Luxembourg	1,50	0,0265

Generalized linear model
Higher negative value of the estimate, younger start age being old is reported
SAS 9.4 GENMOD

Binary logistic regression:
Positive vs negative perception
Positive= very positive+fairly positive
Negative=very negative+fairly negative
SAS 9.4 LOGISTIC