

Projected Population of Scotland (2008-based)

**USING AND IMPROVING POPULATION AND
HOUSEHOLD STATISTICS EVENT**

30 October 2009

Population and Migration Branch
General Register Office for Scotland



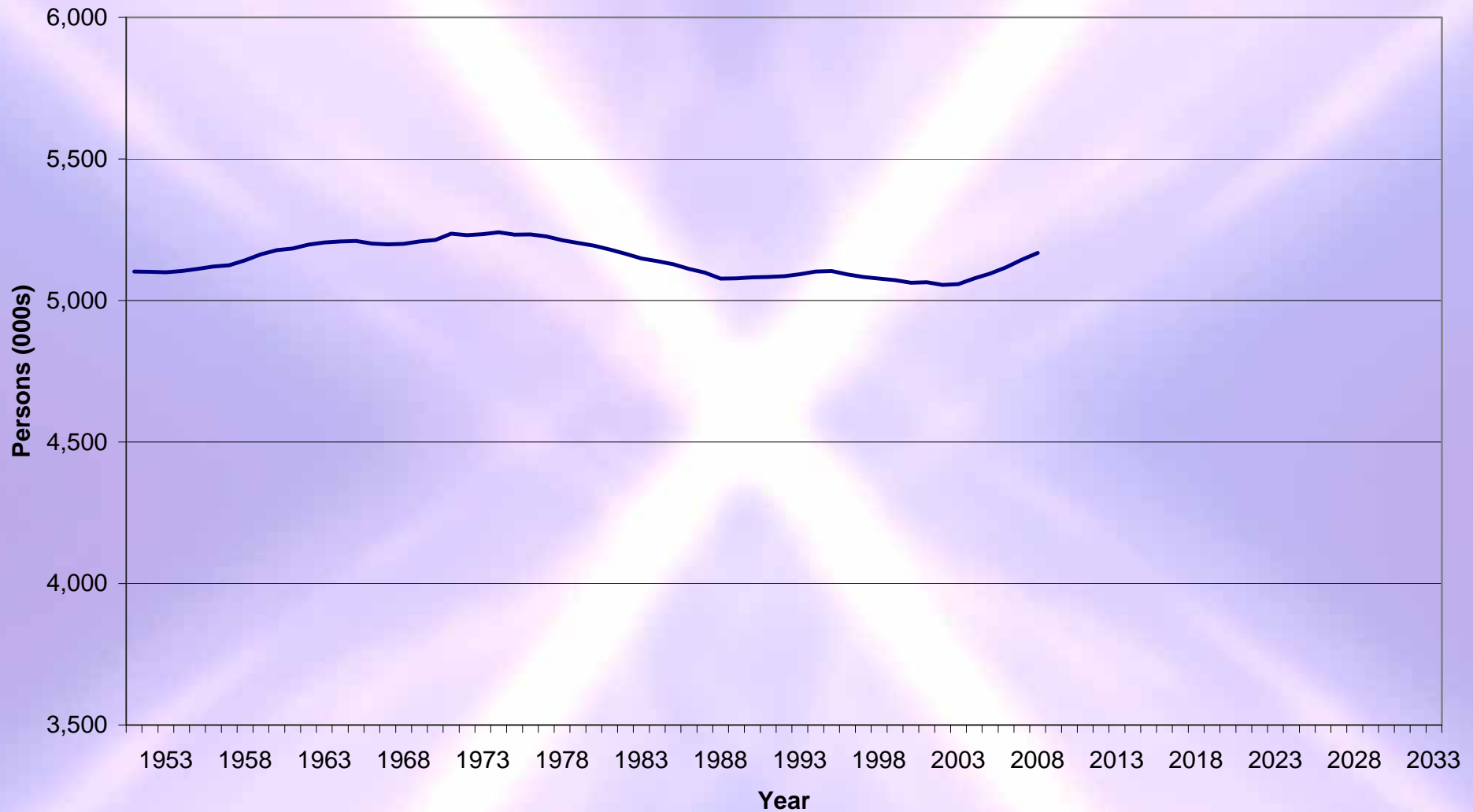
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Presentation Overview

- Introduction
- Historical trends and future assumptions
- Results for Scotland
- United Kingdom and European comparisons
- Variant Projections
- Questions?



Population, Scotland, 1951-2008



— Historic data



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Births, Deaths, and Migration

– the assumptions behind the
new projections



Births



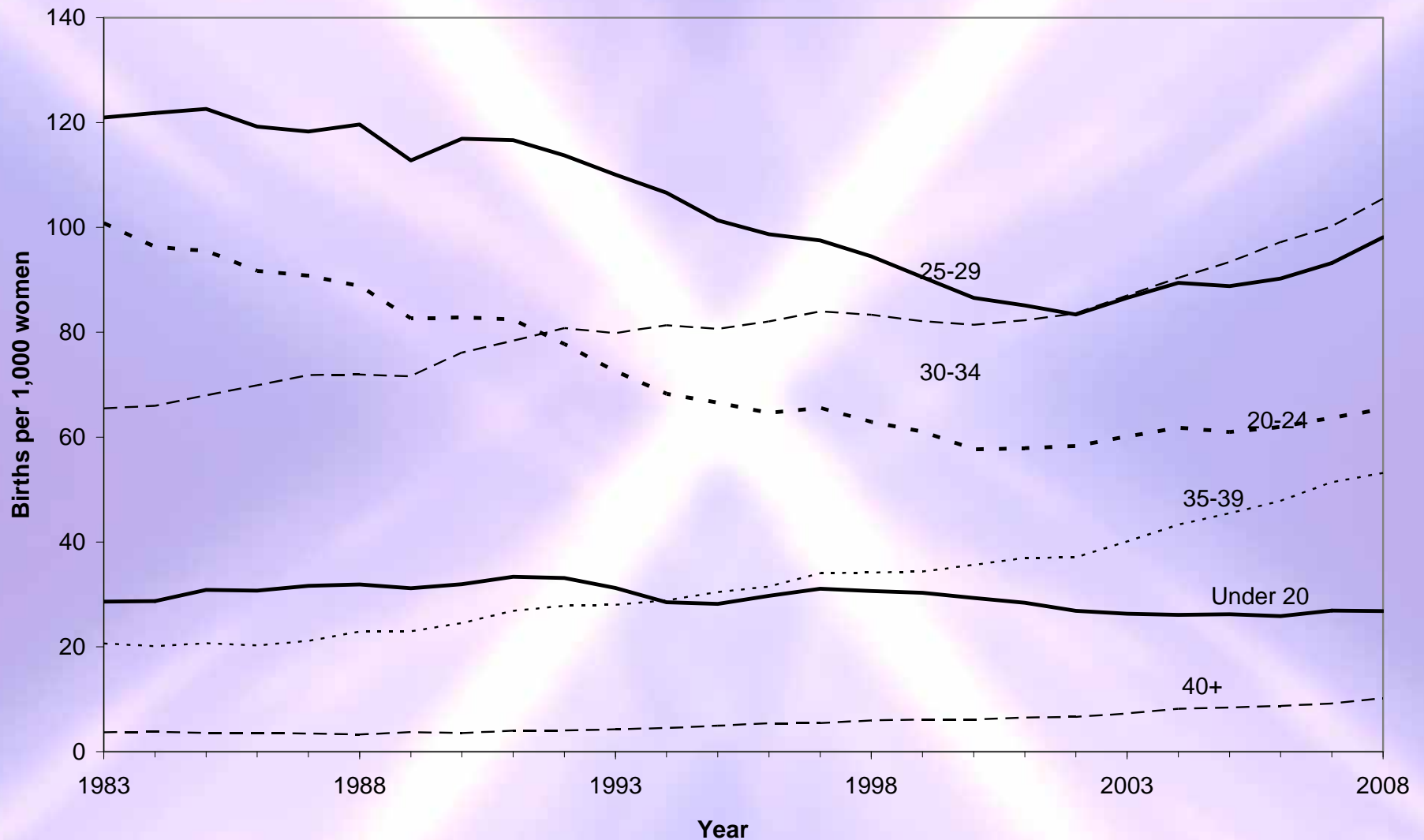
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Fertility Assumptions

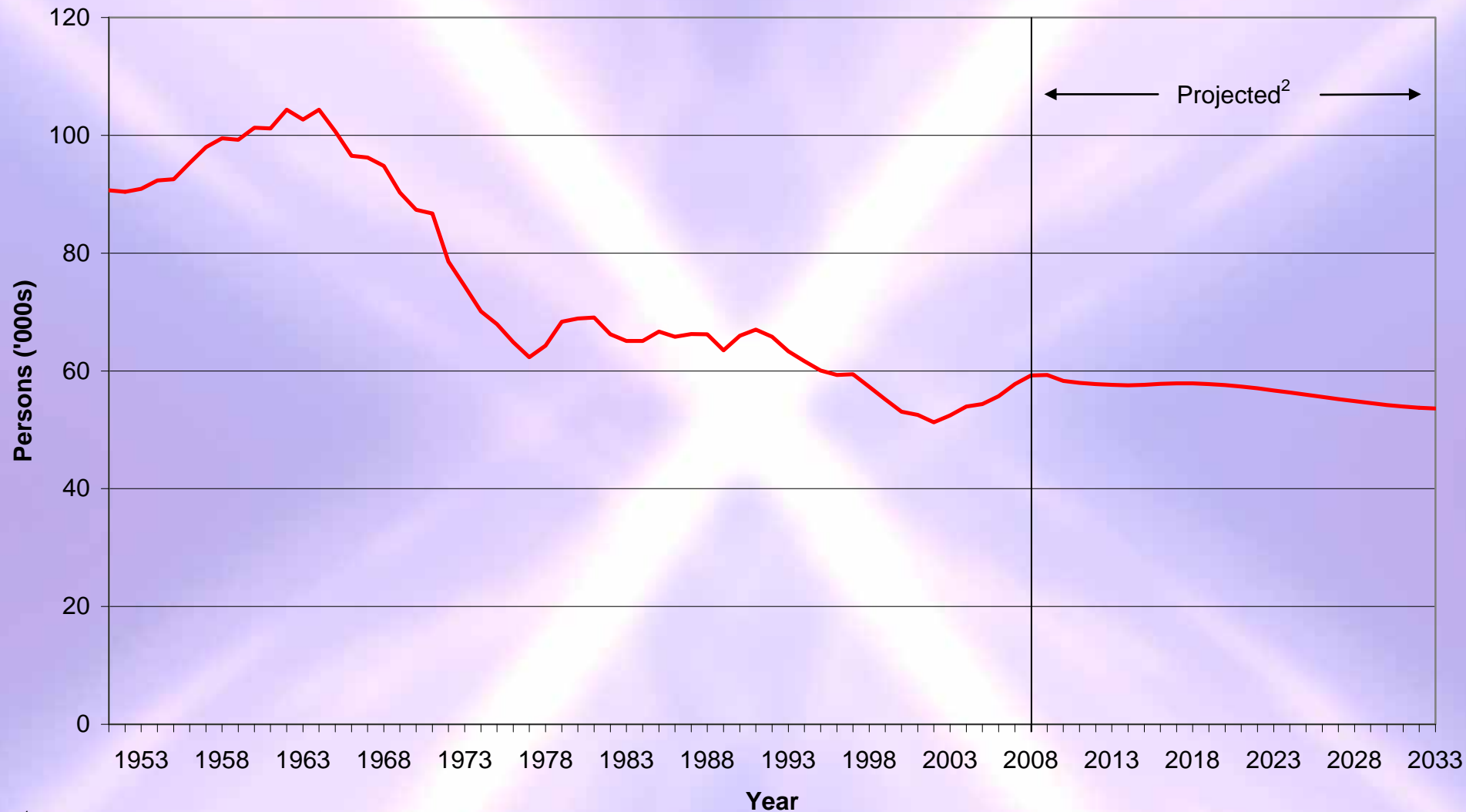
- Average completed family size will continue to fall from around 1.85 children per woman born in the early 1960s to 1.70 for those women born in the 1990s and later.
- Long-term assumption of 1.70 is up from 1.65 in 2006-based assumptions



Scotland's Age Specific Fertility 1983-2008



Births, actual¹ and projected², Scotland 1951-2033



¹ calendar year

² 2008-based mid-year projections



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Deaths



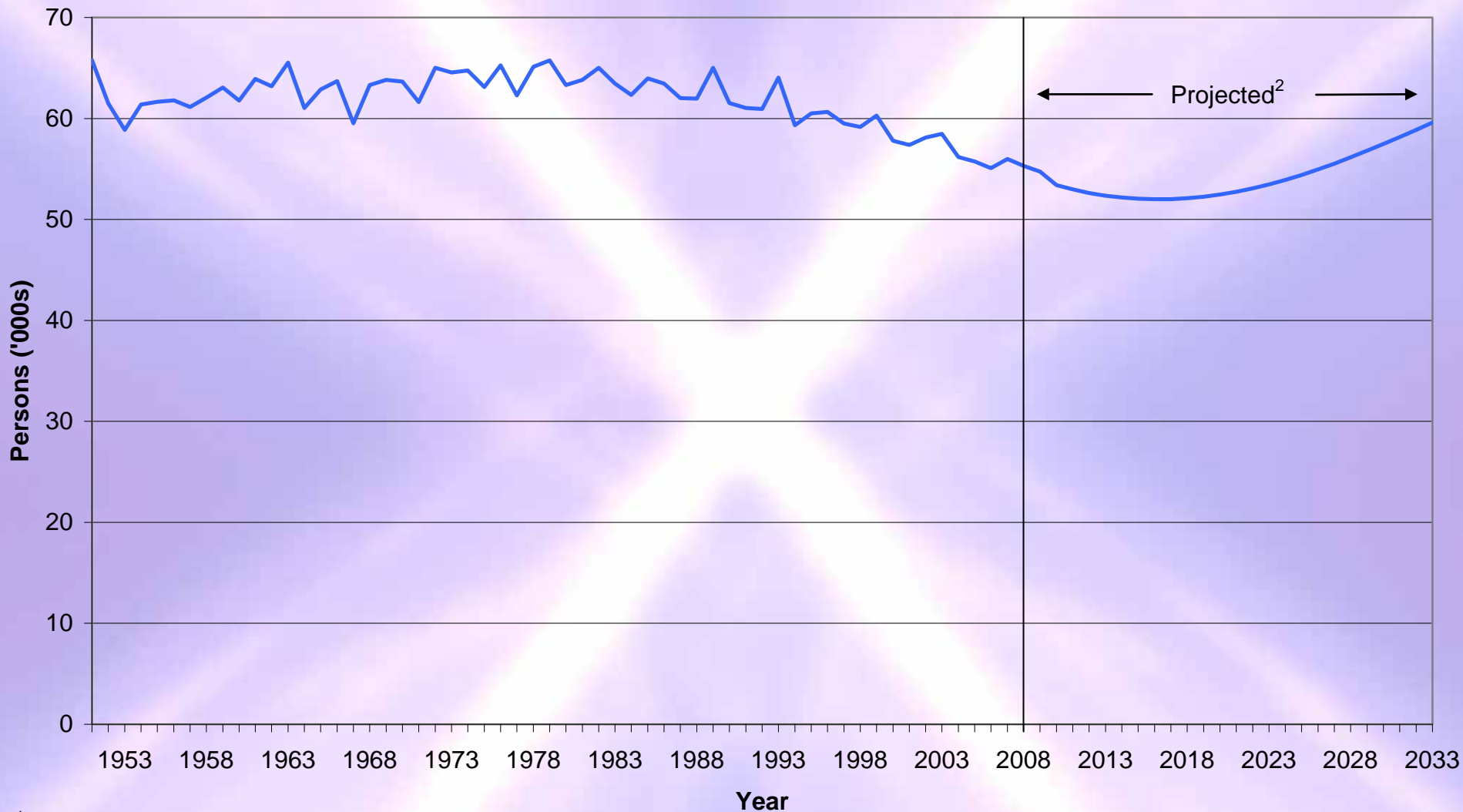
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Mortality assumptions

- Mortality rates will continue to decrease but Scotland will continue to have higher rates than the rest of the UK
- Life expectancy at birth is projected to increase
 - Males: 74.8 for 2007 to 80.7 in 2033
 - Females: 79.8 in 2007 to 85.3 in 2033



Deaths, Scotland, actual¹ and projected², 1951-2033



¹ calendar year

² 2008-based mid-year projections



Migration



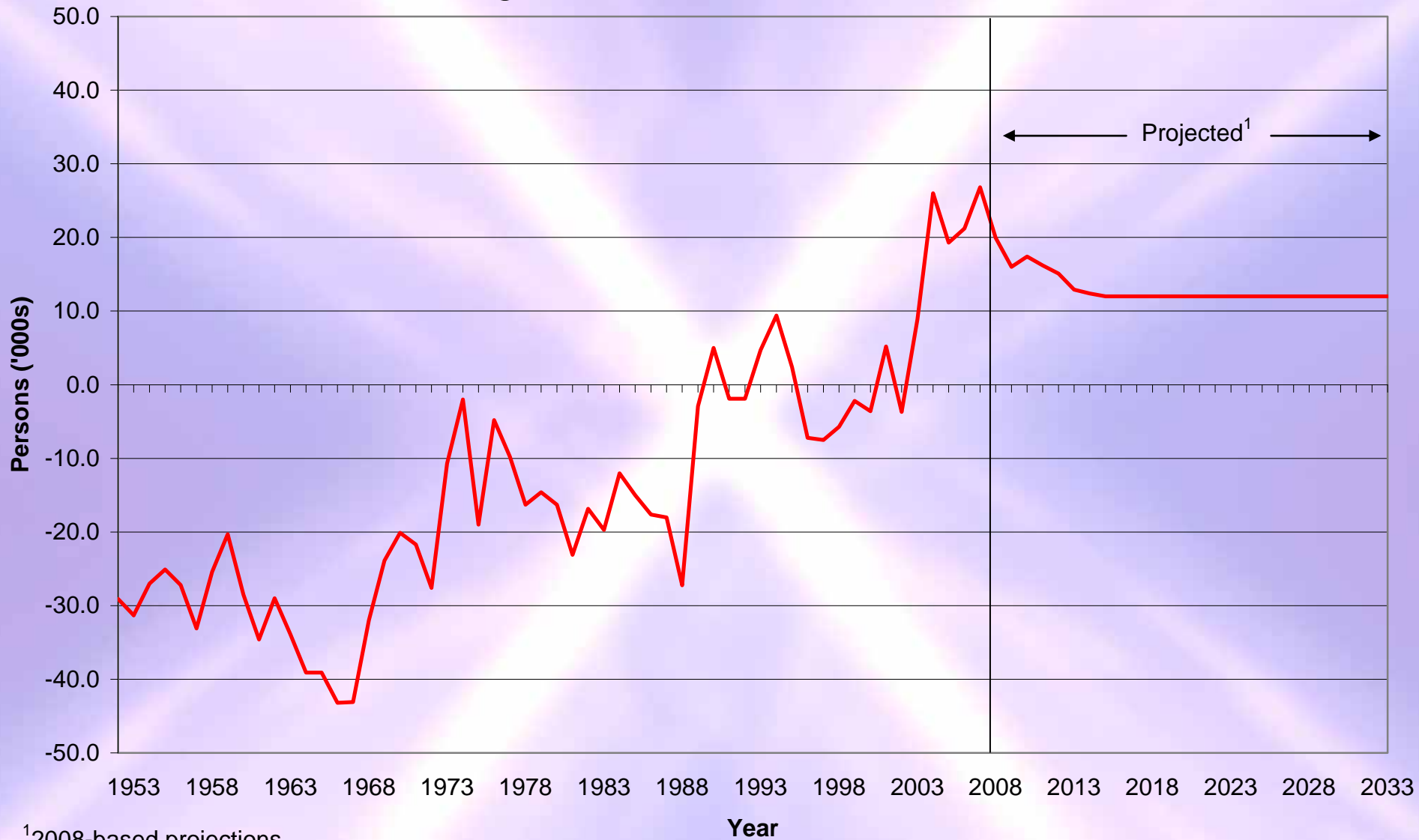
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Migration assumptions

- From 2015 there will be an annual net gain of 12,000 people to Scotland
 - +6,500 from rest of UK
 - +5,500 from overseas
- Inflows from Eastern European accession countries (A8) in first 6 years but net 0 after that



Net migration, Scotland, 1951-2008



¹2008-based projections



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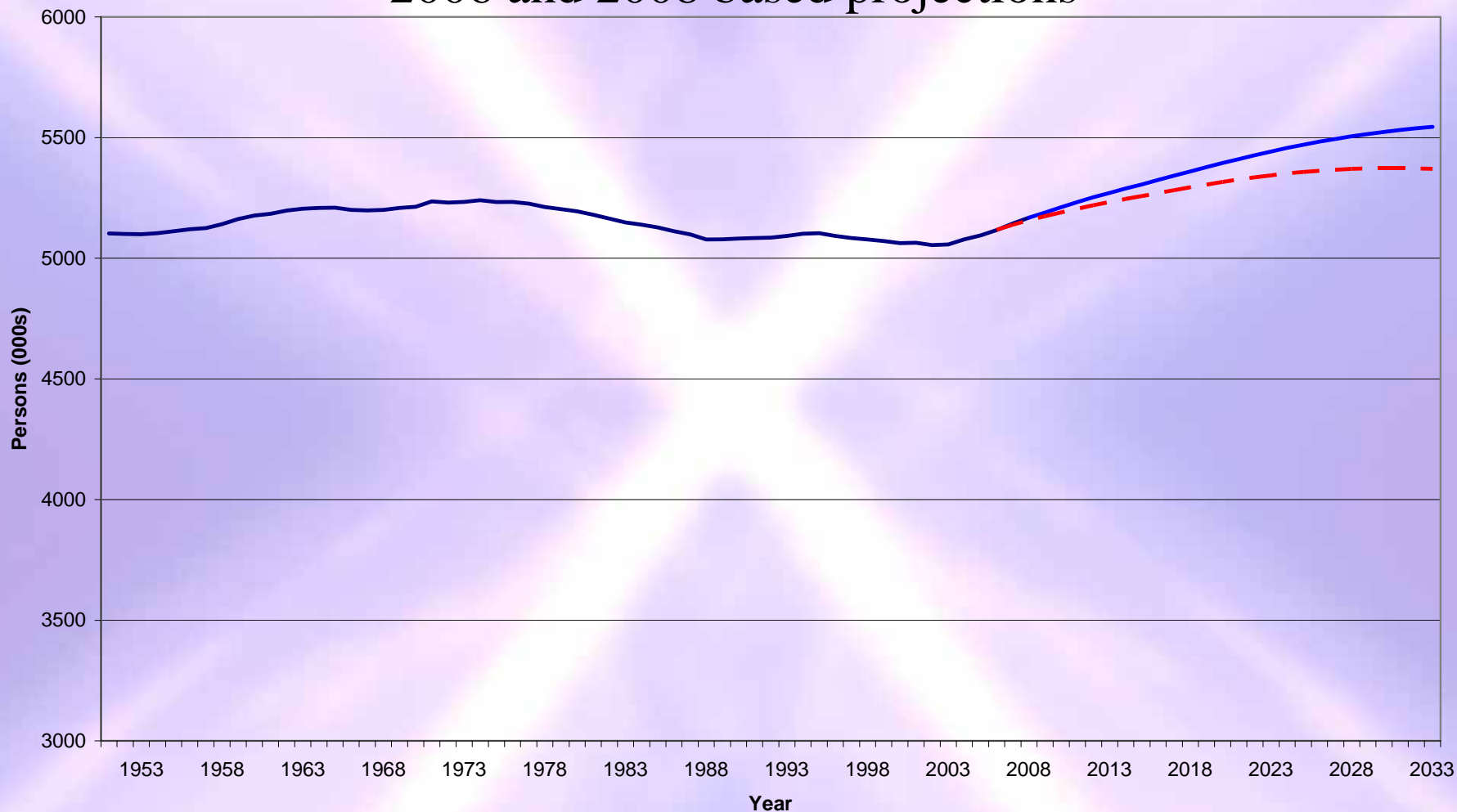
The estimated population of Scotland
on the 30th June 2008 was;

5,168,500



Population, Scotland, actual and projected, 1951-2033

2006 and 2008 based projections



— Actual — 2008-based - - 2006-based



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Key points (1)

- Population projected to increase
- Rising above record 1974 population of 5.24 million in 2012
- 5.36 million in 2018
- 5.54 million in 2033



Key points (2)

- Projections extend to 2083
- Population expected to fall slowly after mid 2040s
- But increasingly uncertain: e.g. they predict the actions of people who are not born yet!



As well as showing trends in the total population, the projections also show the differences between age groups.



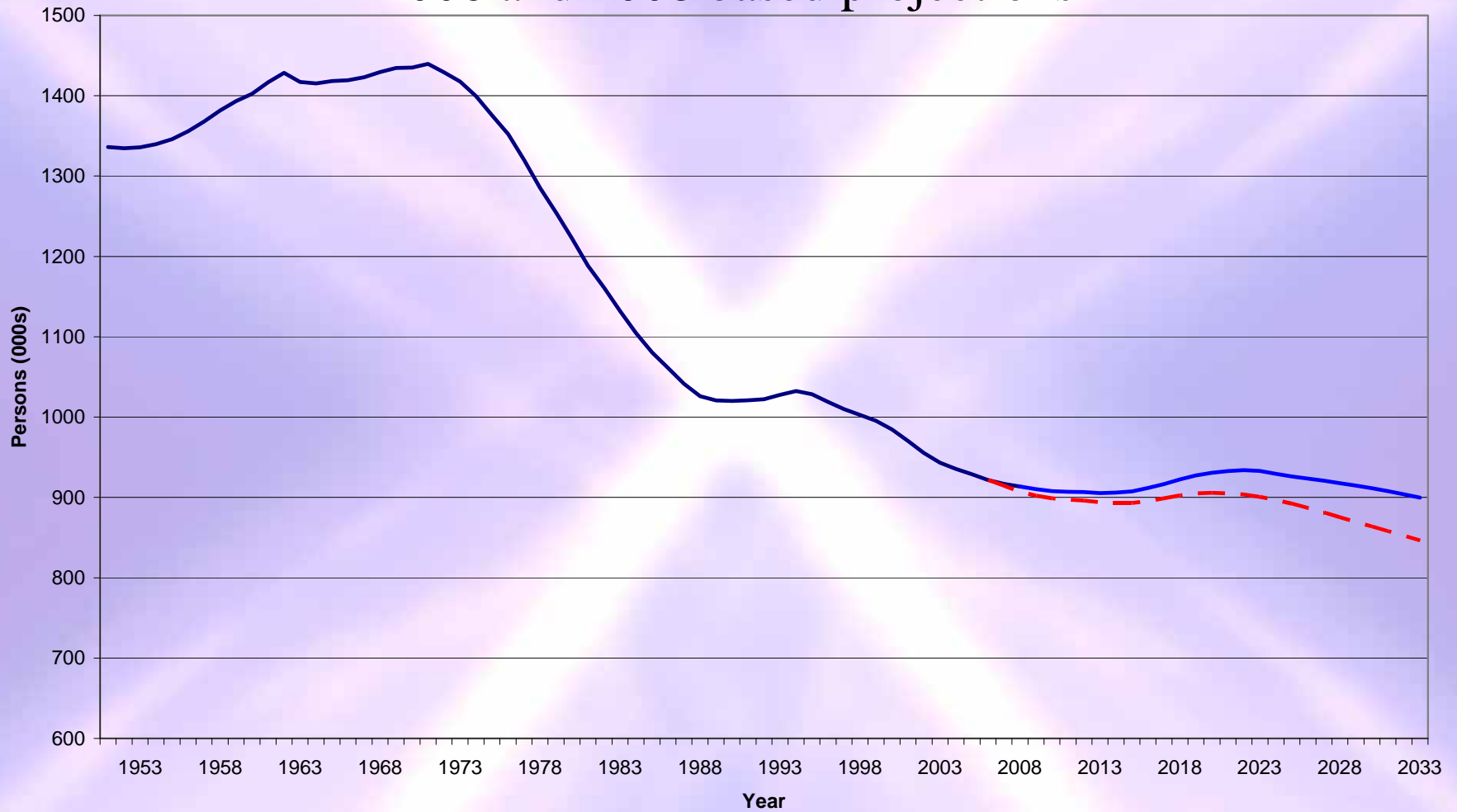
Children (0-15)

- 0.91 million in 2008
- Rises to peak of 0.93 million in 2023
- 0.90 million in 2033
- A decrease of 2% over the 25 years



Children aged under 16, actual and projected, 1951-2033

2006 and 2008 based projections



— Historic data — 2006-based — 2008-based



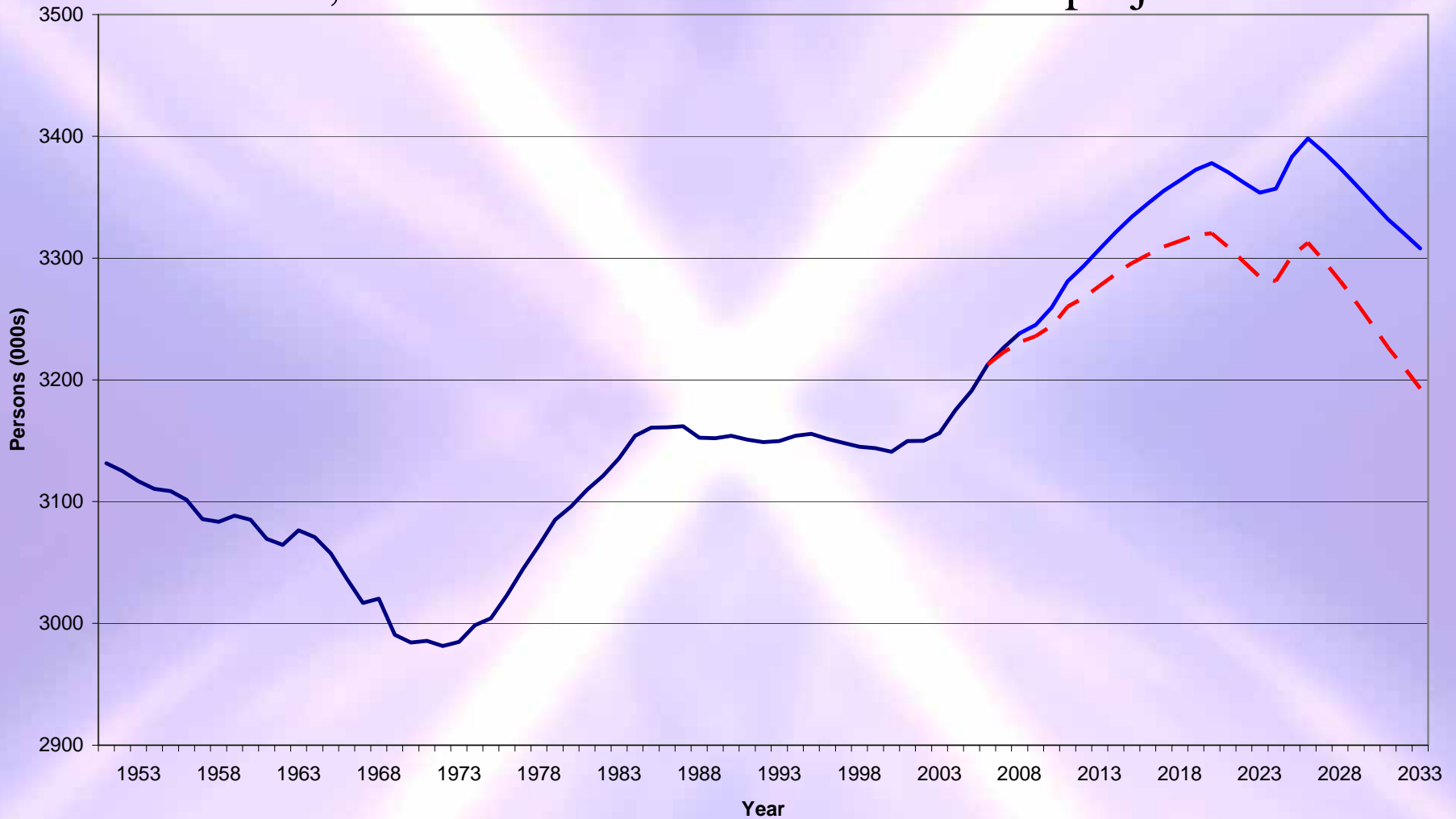
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Working Age (16-59/64/65)

- 3.24 million in 2008
- Rises to peak of 3.40 million in 2026
- 3.31 million in 2033
- An increase of 2% over 25 years
- Takes into account changes in state pension age



Working age (16-59/64/65)¹ population, actual and projected, Scotland, 1951-2033. 2006 and 2008 based projections



— Historic data — 2006-based — 2008-based



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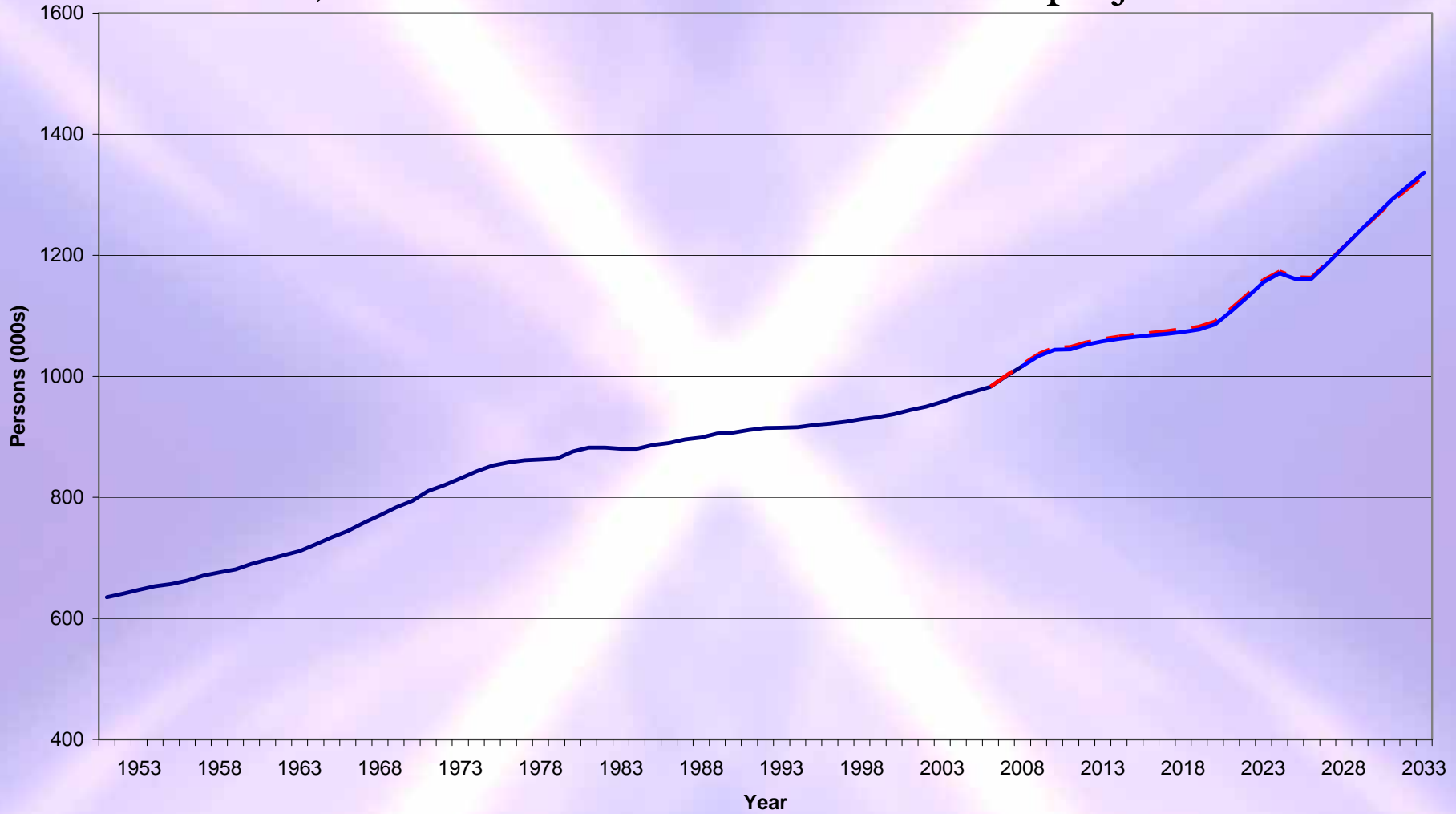
¹ Between 2010 and 2020 the retirement age for women will rise from 60 to 65 and then between 2024 and 2026 will rise for both men and women to 66.

Pension Age (60/65/66+)

- 1.02 million in 2008
- 1.34 million in 2033
- An increase of 31%
- Takes into account changes in state pension age



Pension age population (60/65/66+)¹, actual and projected, Scotland, 1951-2033. 2006 and 2008 based projections



— Historic data — 2006-based — 2008-based

¹ Between 2010 and 2020 the retirement age for women will rise from 60 to 65 and then between 2024 and 2026 will rise for both men and women to 66.

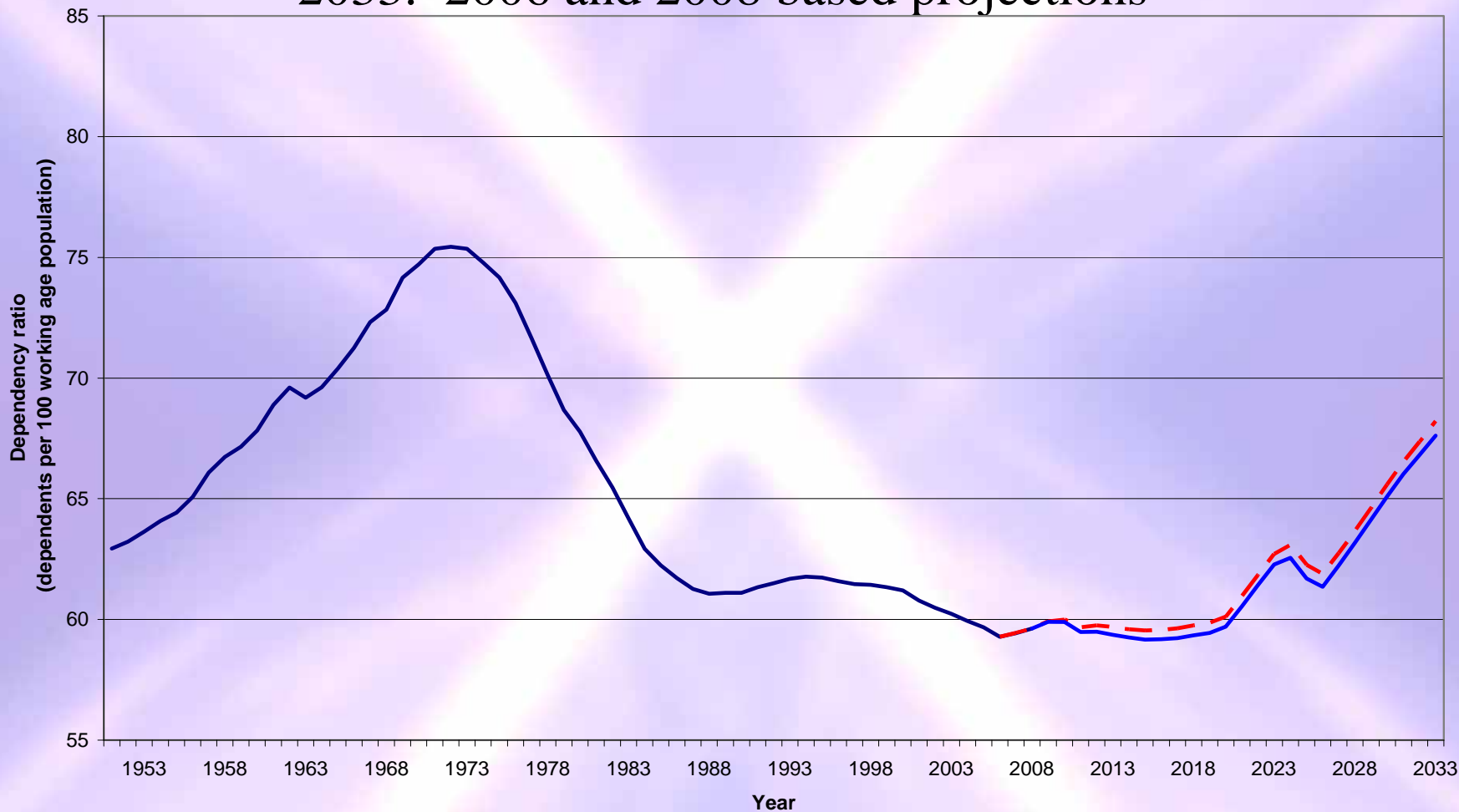


Dependency Ratios

As the age structure of Scotland's population changes, the “dependency ratio” of children and pensioners per 100 people of working age is set to change as well



Dependants (under 16s and 60/65/66s and over)¹ per 100 working age population, Scotland, actual and projected 1951-2033. 2006 and 2008 based projections



— Historic data - - - 2006-based — 2008-based



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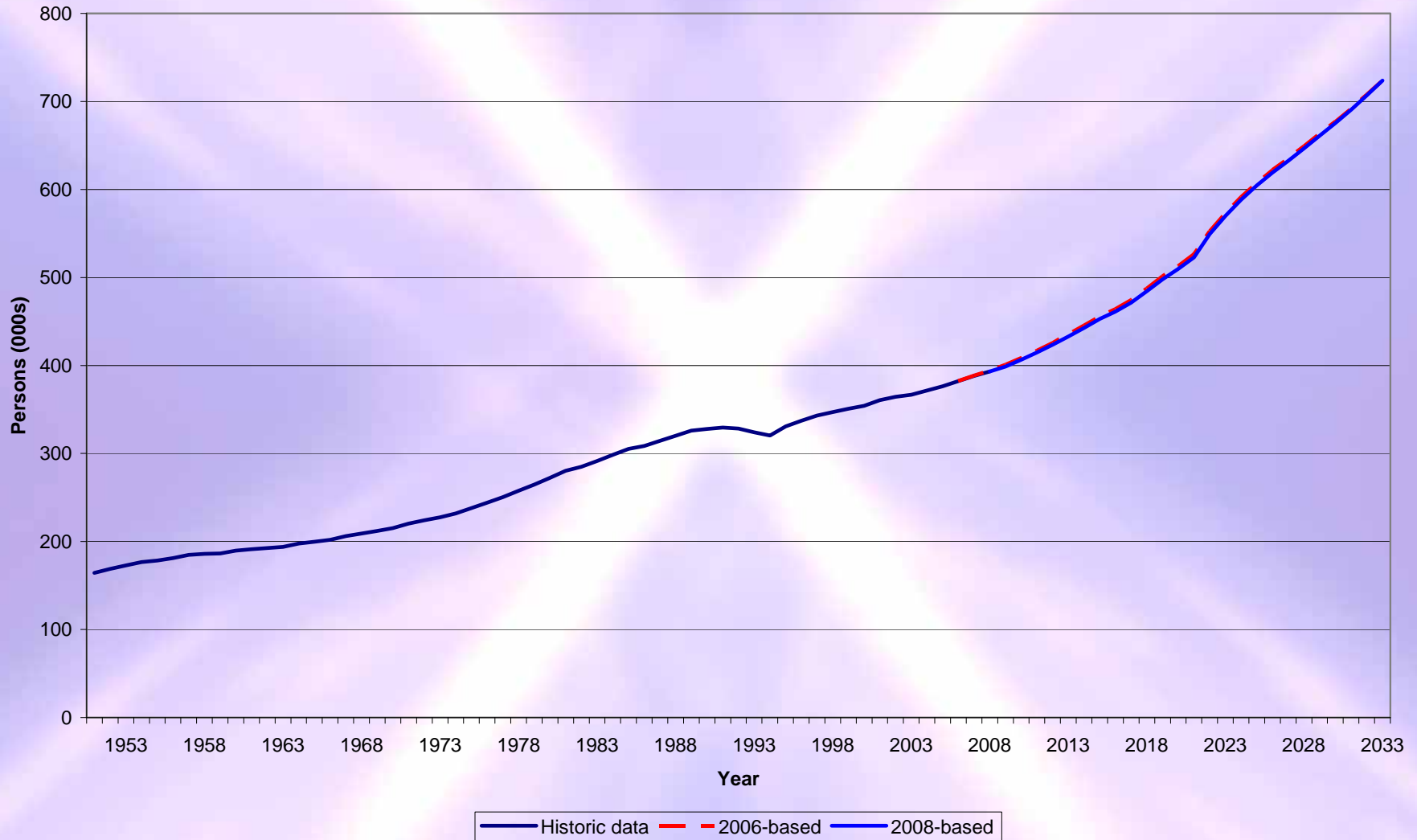
¹ Between 2010 and 2020 the retirement age for women will rise from 60 to 65 and then between 2024 and 2026 will rise for both men and women to 66.

75 +

- 0.39 million in 2008
- 0.72 million in 2033
- An increase of 84%



Number of people aged 75+, actual and projected, Scotland, 1951-2033. 2006 and 2008 based projections



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Comparisons with other UK countries

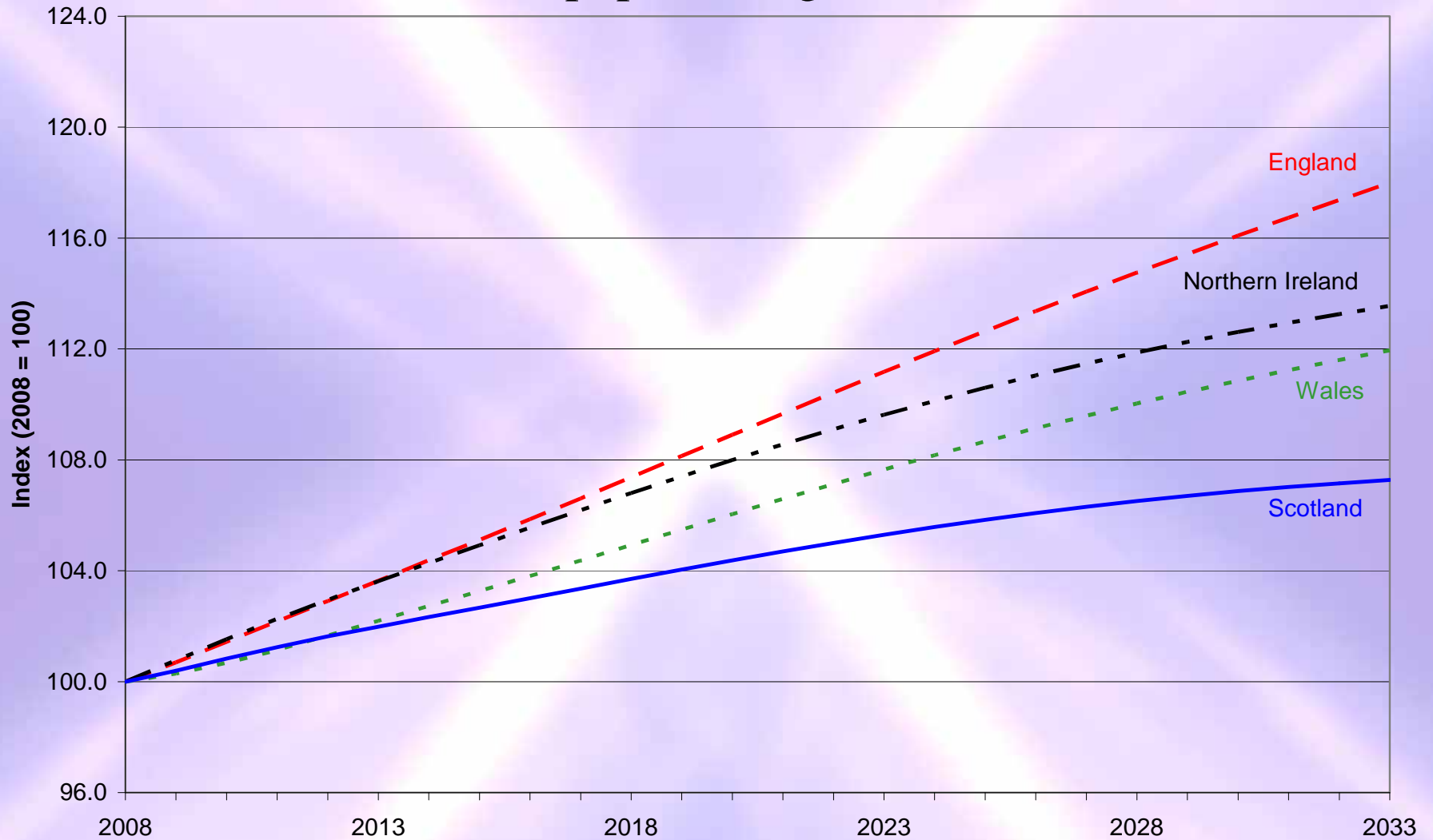


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The UK population is projected to increase from **61.4** million people in 2008 to **71.6** million in 2033 – a 17 per cent increase



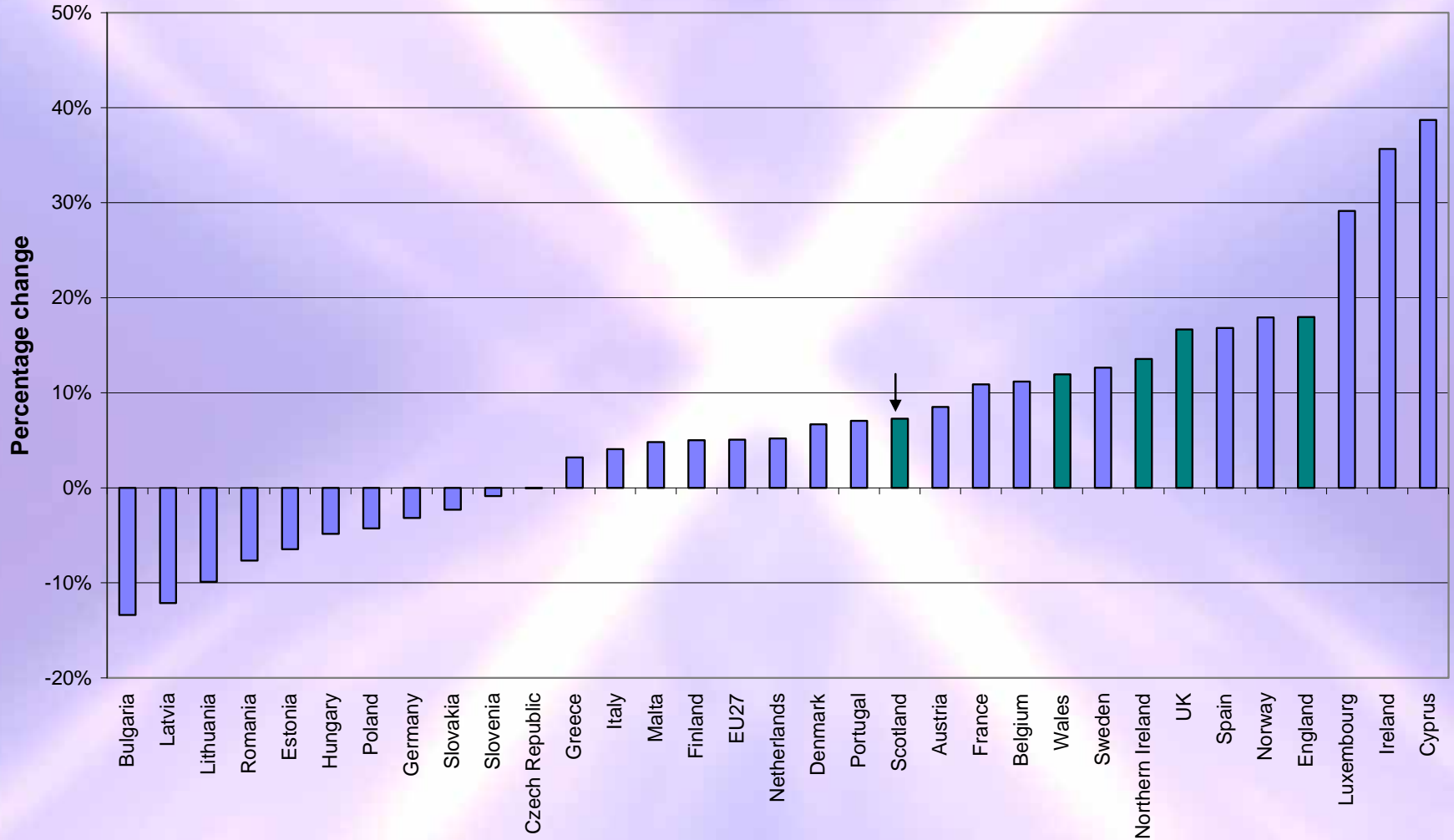
UK countries population growth, 2008-2033



Comparisons with selected European countries



Projected percentage population change in selected European countries, 2008-2033



Source: ONS and Eurostat



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Variant Projections



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As well as producing the principal projections, which you have seen already, ONS also produce a series of variant projections.

These are based on different plausible assumptions about fertility, mortality and migration giving a more complete picture of what we might expect to see in the future.

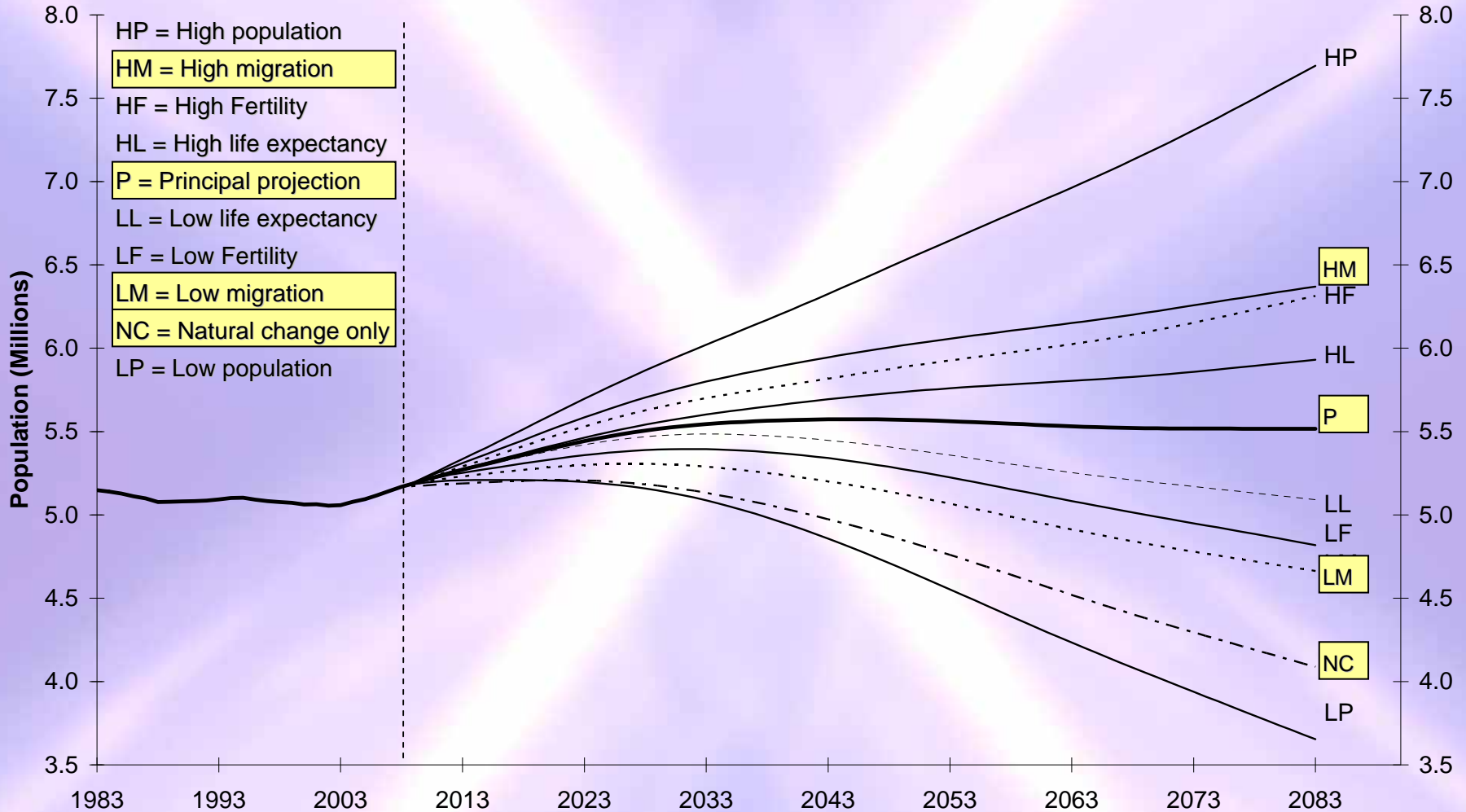


Assumptions about the 2008-based principal and seven variant projections for Scotland

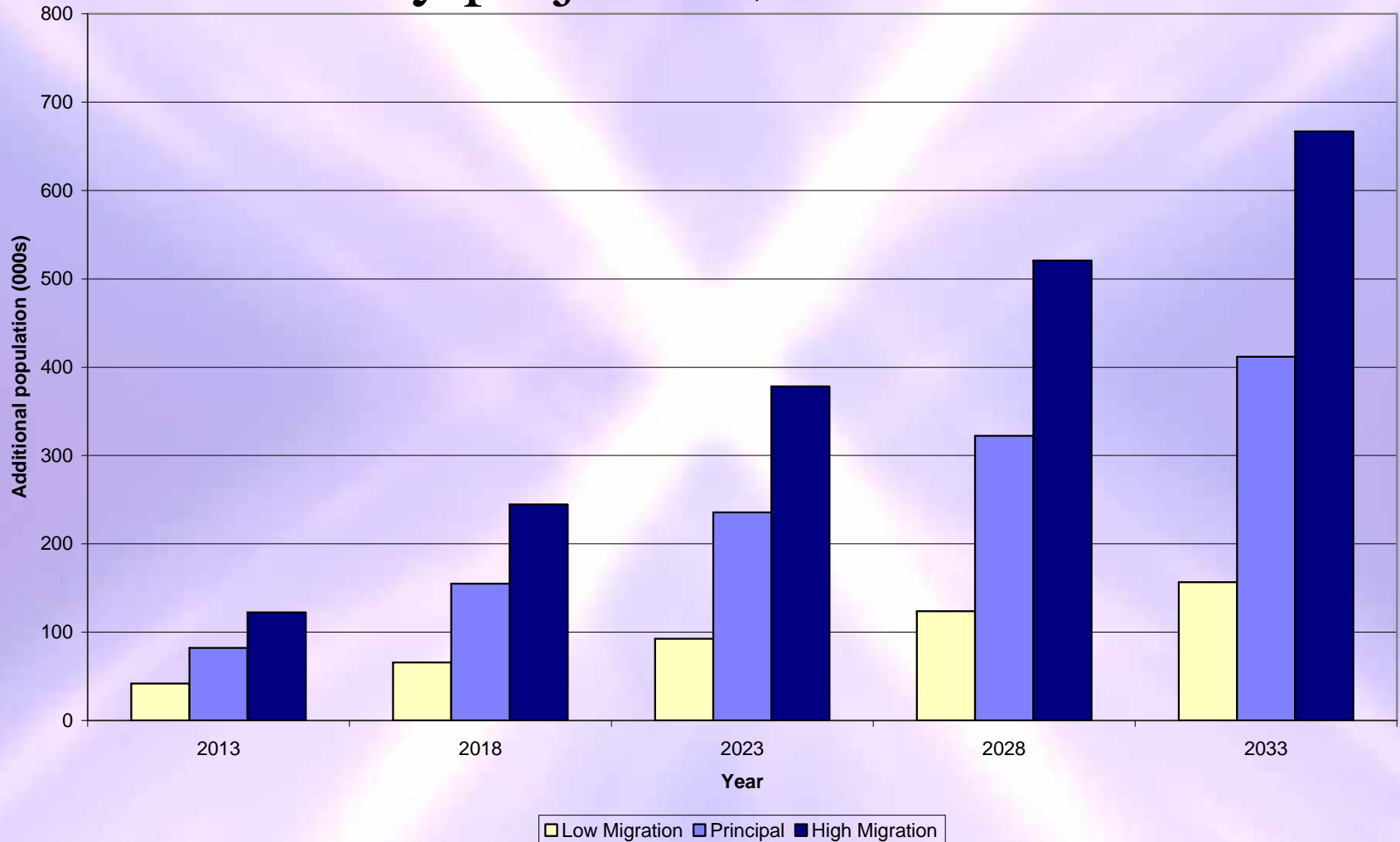
		Fertility (TFR)	Life expectancy Males (2033)	Life expectancy Females (2033)	Net migration
1	Principal projection	1.70	80.7	85.2	+12,000
Standard 'single component' variants					
2	High fertility	1.90	80.7	85.2	+12,000
3	Low fertility	1.50	80.7	85.2	+12,000
4	High life expectancy	1.70	82.8	86.5	+12,000
5	Low life expectancy	1.70	78.6	83.9	+12,000
6	High migration	1.70	80.7	85.2	+20,500
7	Low migration	1.70	80.7	85.2	+3,500
Combination variants					
8	High population	1.90	82.8	86.5	+20,500
9	Low population	1.50	78.6	83.9	+3,500
Special case scenario					
10	Zero migration	1.70	80.7	85.2	0



Actual and projected total population, Scotland, under the 2008-based principal and selected variant projections, 1981-2083



Selected variants compared to natural change only projection, 2013-2033



For more information and data concerning the projections please contact:

GROS Statistics Customer Services

email: customer@gro-scotland.gov.uk

Tel: 0131 314 4243



Thank you.
Questions?



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