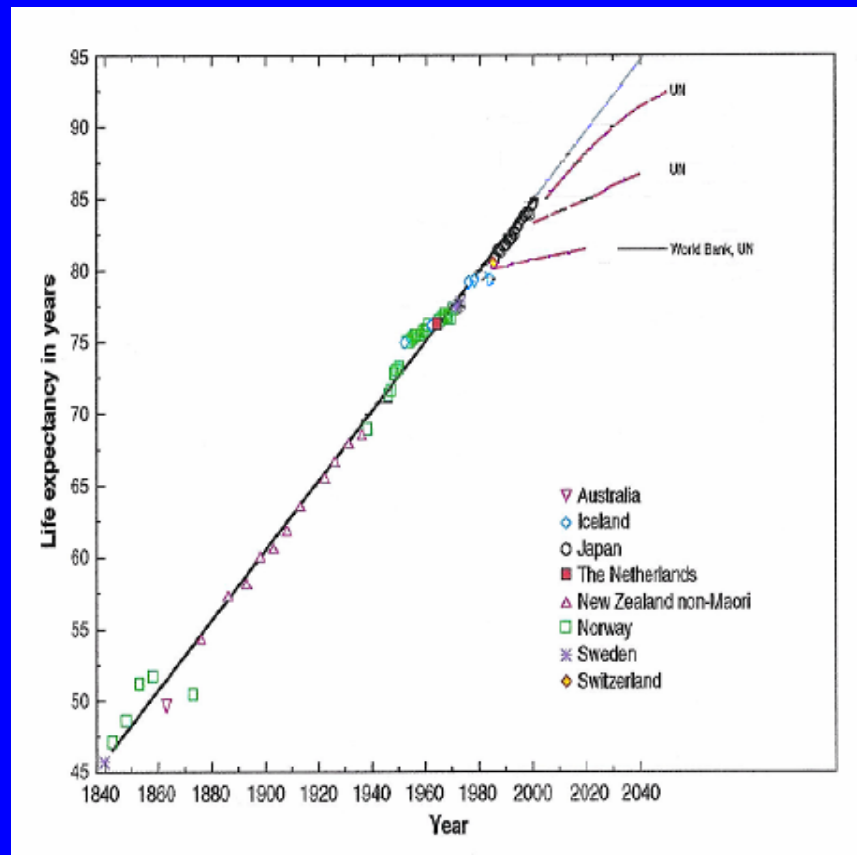


Support for an Ageing Population - selecting appropriate technology

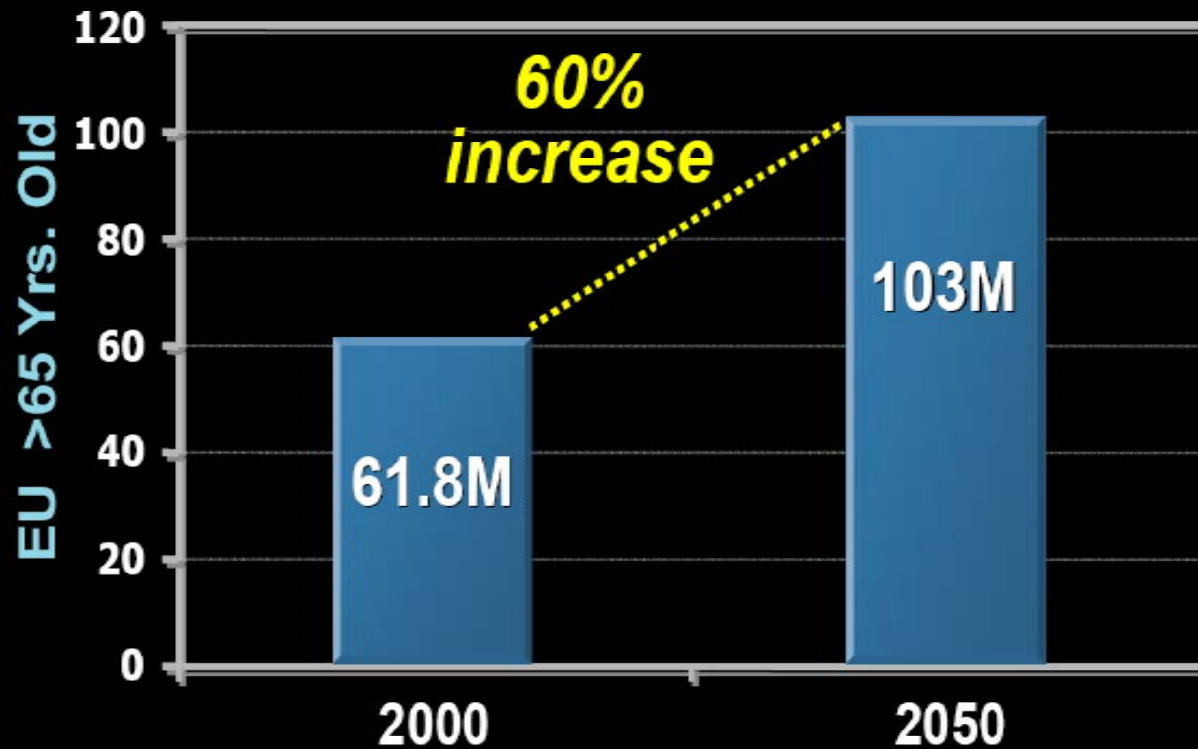
Professor Garth R Johnson FREng
Institute for Ageing and Health
Newcastle University

Background – Life expectancy increasing 5 hours per day!



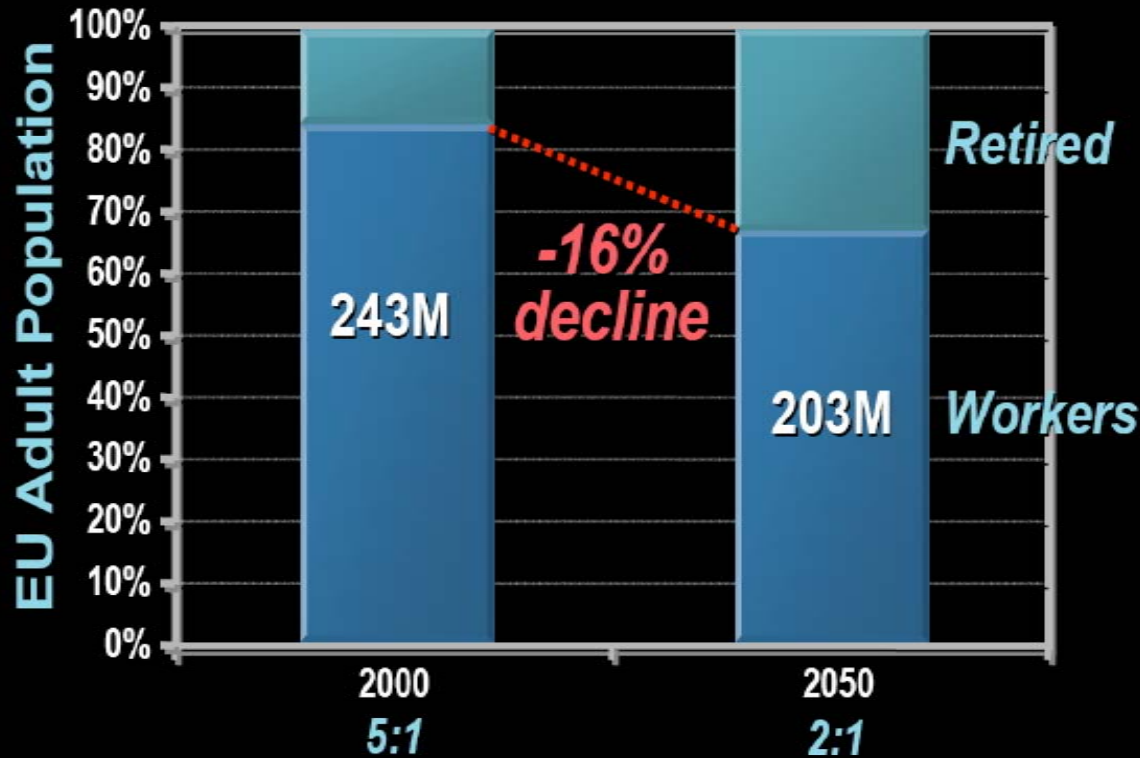
....the increase in longevity is the product of quite extraordinary success

Number of over 65's in Europe



Source: FT, 4 Oct. 2003

Dependency – How many wealth generators?



Source: The New York Times, April 4, 2004

Background to today

- ◆ Much of today's presentations result from the EU AgeAction Project led by Professor Tom Kirkwood, Newcastle University.
(www.ageaction.ncl.ac.uk) which produced a series of reports on different aspects of Ageing:
 - Biology
 - Finance and Industry
 - **Technology**
 - Medicine
 - Social Science

AgeAction – The Technology Team

- ◆ **Garth Johnson** Newcastle University (Chair)
- ◆ **Kees Schep** Philips Research, Germany
- ◆ **Peter Gore** ADL Smartcare Limited, Sheffield
- ◆ **Olivier Toussaint** University of Namur, Belgium
- ◆ **Richard Faragher** University of Brighton
- ◆ **Roger Orpwood** University of Bath

- ◆ Additional speakers today:
 - Louise Robinson (General Practitioner, Newcastle)
 - Anthony Bull (Bioengineer, Imperial College)

Selecting Appropriate Technologies

– plan for today

Presentations are intended to look at the ways in which technology can be used most effectively for support of an Ageing Population

- ◆ **The clinical and social issues arising from the ageing population**
- ◆ **What are the available (assistive) technologies?**
- ◆ **How might they be categorised?**
- ◆ **What are the technical issues?**