



**Devon Sustainable
Building Initiative**
www.sustainablebuild.org



Low Carbon Existing Homes conference

The Corn Exchange, Exeter

14 July 2009



National perspective: scale of the challenge

Low Carbon Existing Homes

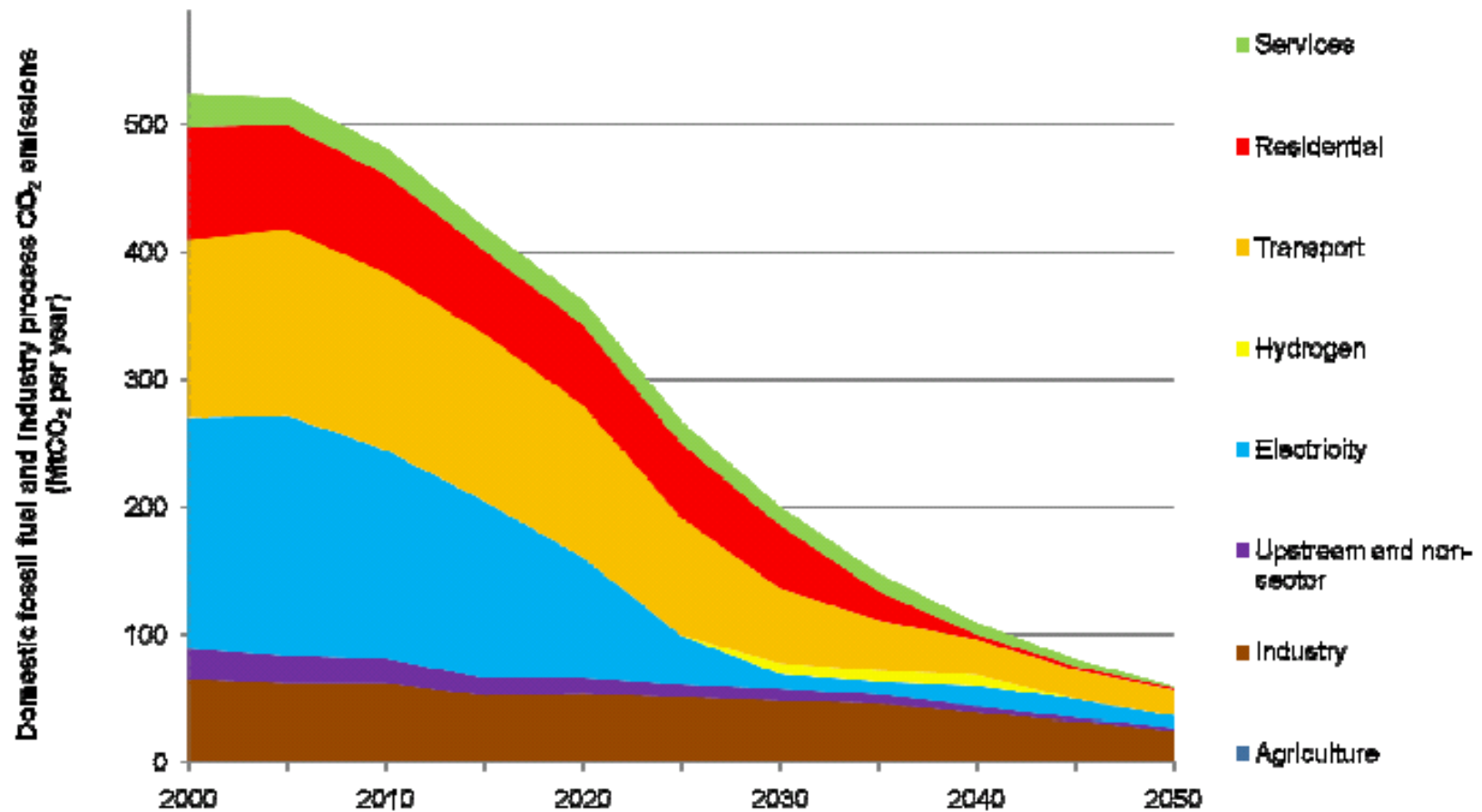
14 July 2009, Exeter

Dr Brenda Boardman, MBE

Environmental Change Institute

University of Oxford

UK sectoral emissions on an 90% reduction path



Now is vital

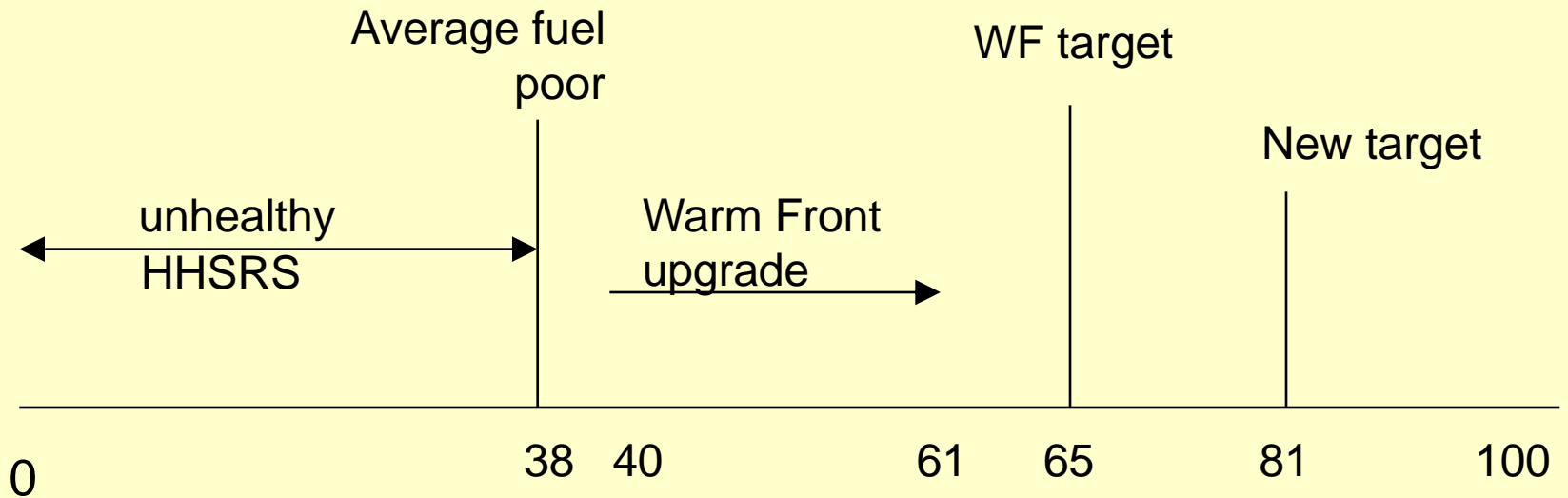
Intended: 42% below 1990 in 2020
(31% below 2005)

Interim: 34% below 1990 in 2020
(21% below 2005)

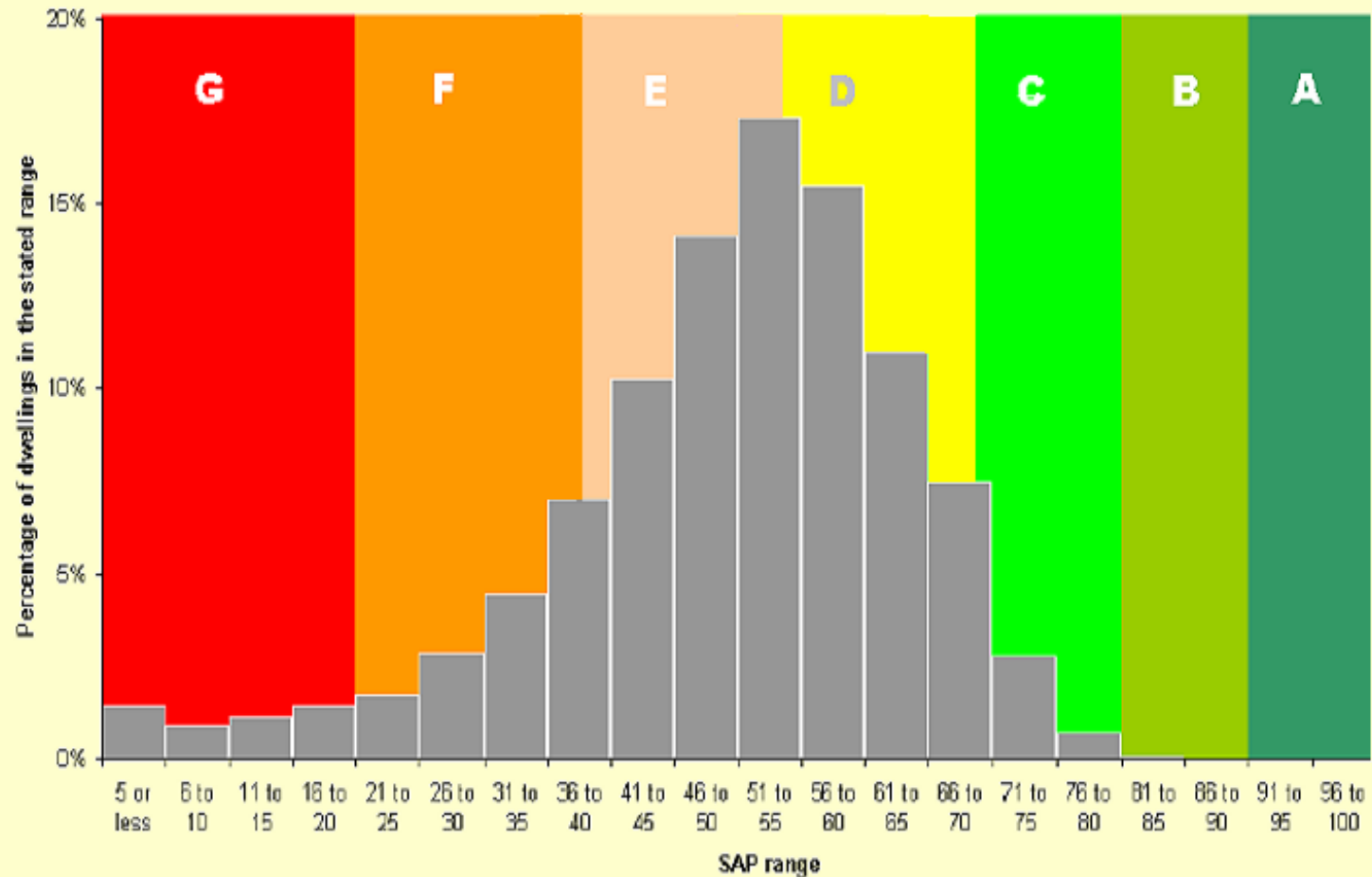
Fuel poverty

- Rising fast: 5m households in UK
- Fuel prices will rise more
- 42% not eligible for help - not on means-tested benefit
- 75% of money goes to non-fuel poor
- Targeting the poorest people is not working

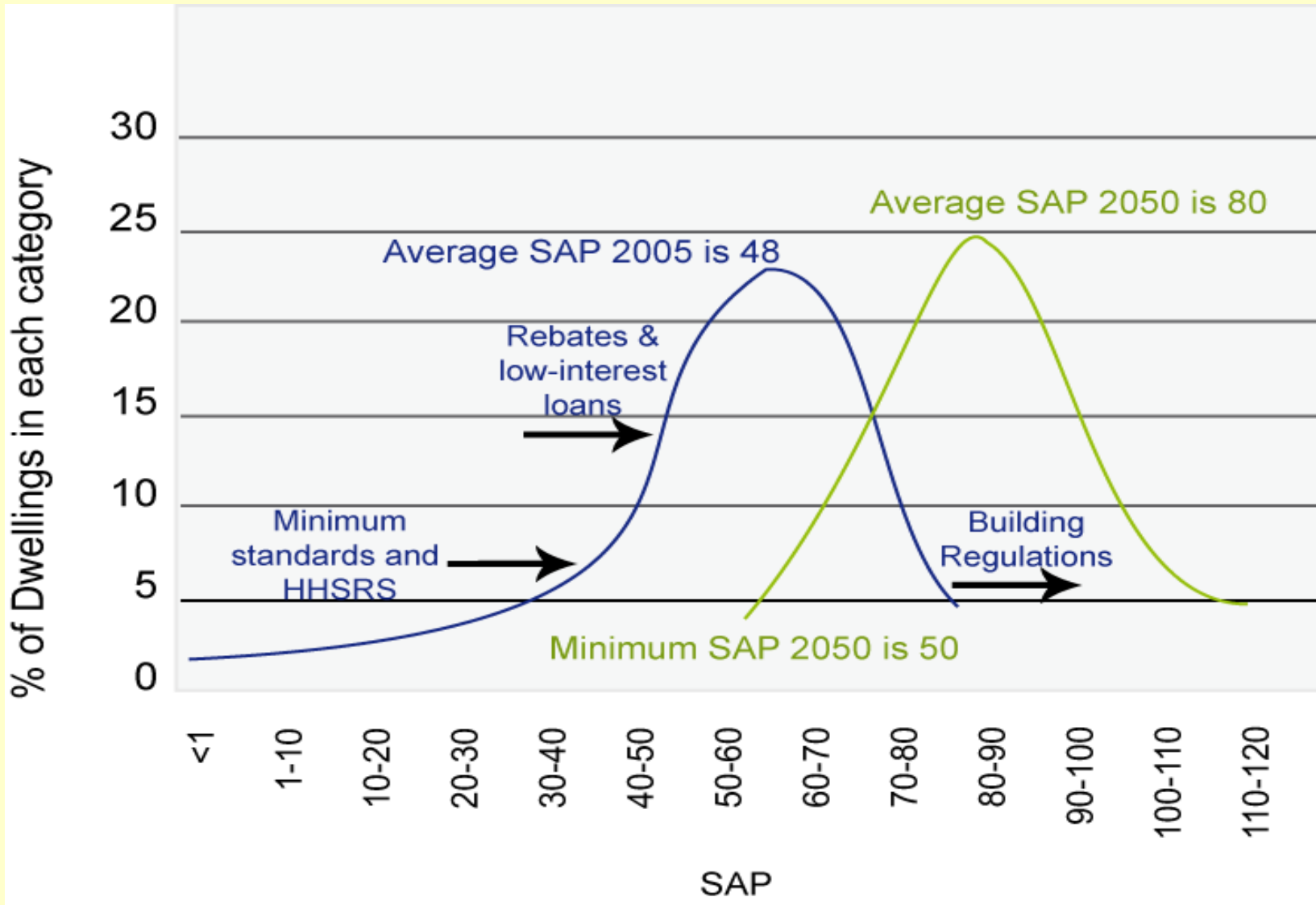
Energy efficiency and SAP



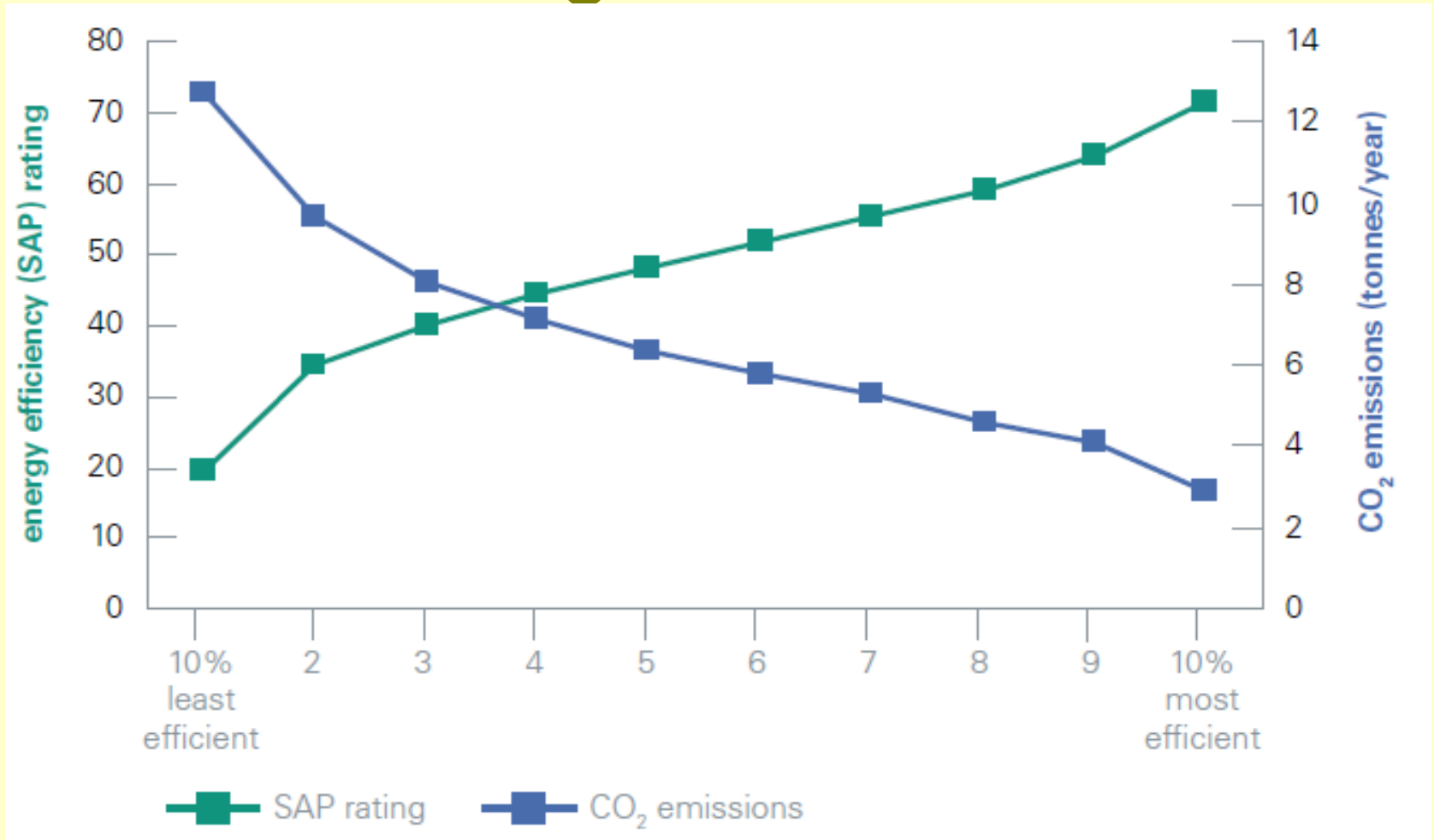
Minimum standards



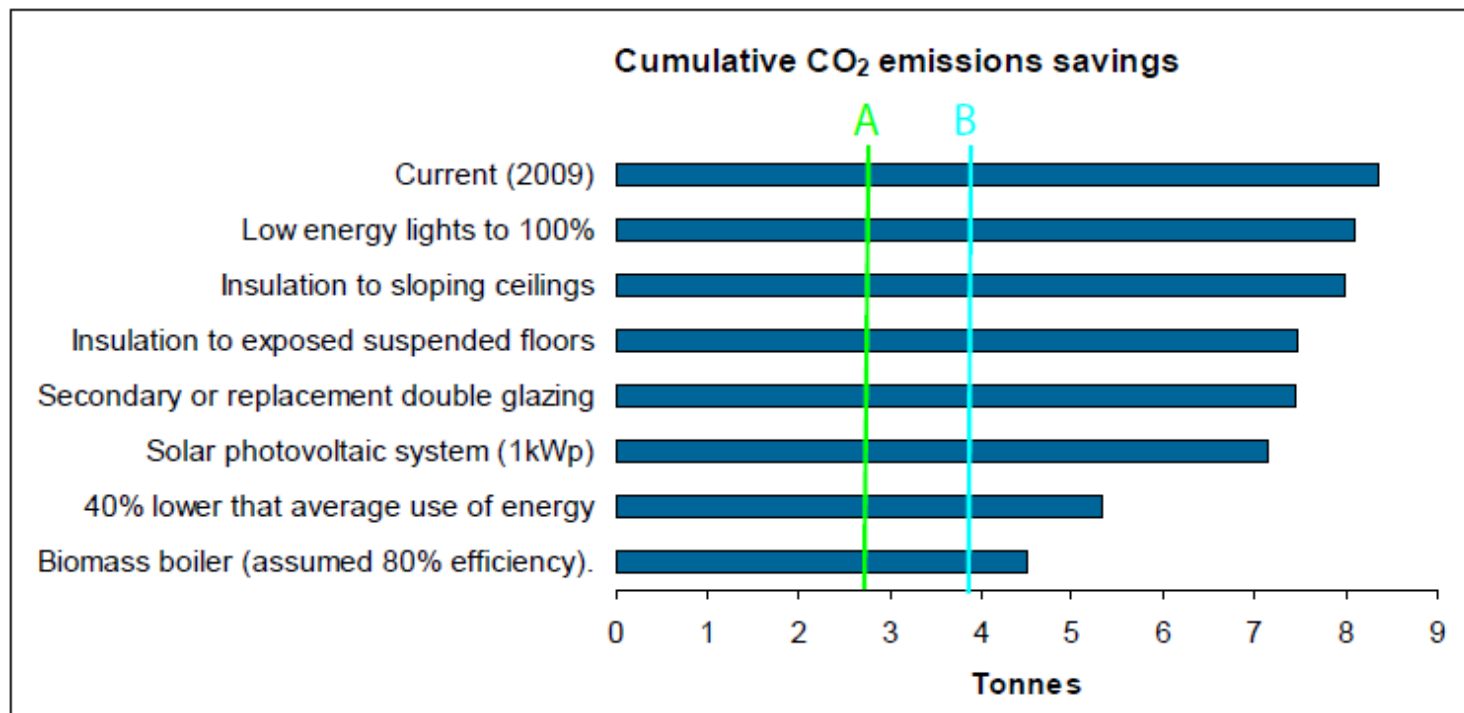
Transforming housing



Carbon emissions by SAP rating, England 2006



Sequencing measures



A The project target of 2.8 tonnes per household by 2050

B The UK's interim target for 2020 of about 3.9 tonnes per household

Low Carbon Zones

- One per local authority
- Covers half of the fuel poor in that area
- Ensure every house out of fuel poverty by 2013, SAP 81
- Do street-by-street

Thank you

<http://www.eci.ox.ac.uk/>