C2020 Vision. The Future of the Australian Construction Industry?



CRC Construction Innovation

Structure of Workshop

- What's it all about?
- What methods should we use?
- What have other countries done?
- What is our approach in Australia?
- Getting the discussion going.
- New Technologies
- Wrap up

This is NOT BOGSAT!!!

Bunch of Guys Sitting Around Talking!!

Why have a vision?

- Provides direction for what we do now
- Provides context for industry development
- Encourages the process of self improvement
- Benchmarks against other visions
- Enables a roadmap to be established
- Can unite the industry

C2020 Vision – building on

- NatBACC ; Building for Growth
- Australian Construction Industry Forum ; Innovation in the Australian Building and Construction Industry – Survey Report
- Construct NSW
- ACIF Guide to Integrated Project Procurement
- Many International studies in several countries

'Building for Growth'

- Creating a more informed market place
- Maximising global business opportunities
- Fostering technological innovation
- Creating economically and ecologically sustaining sustainable environments
- Creating a best practice regulatory environment

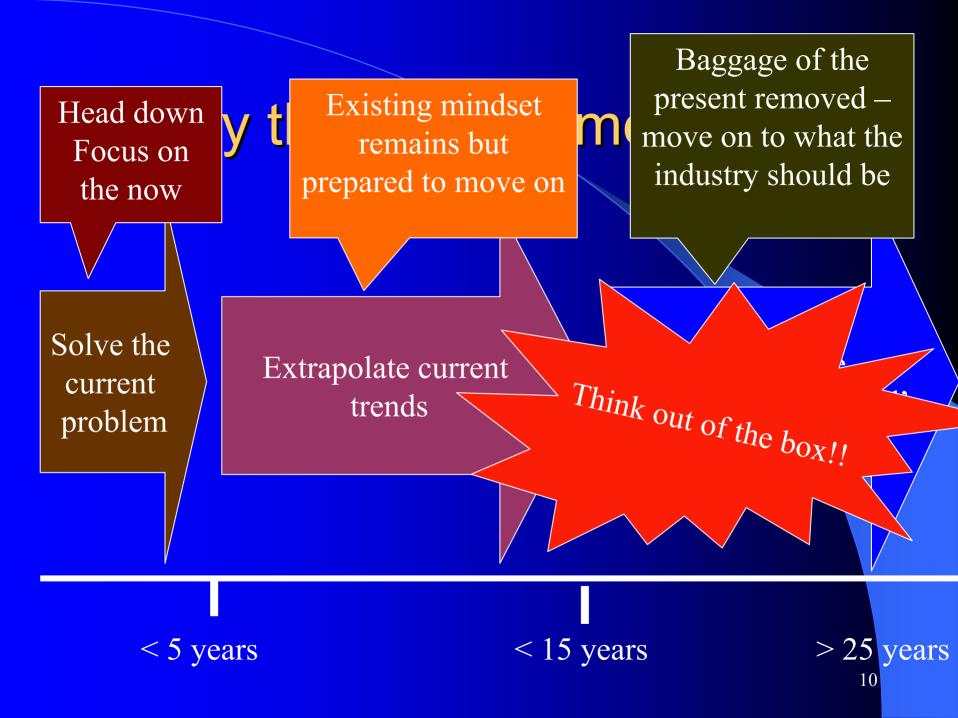
What's different about C2020?



What's different about Australia?

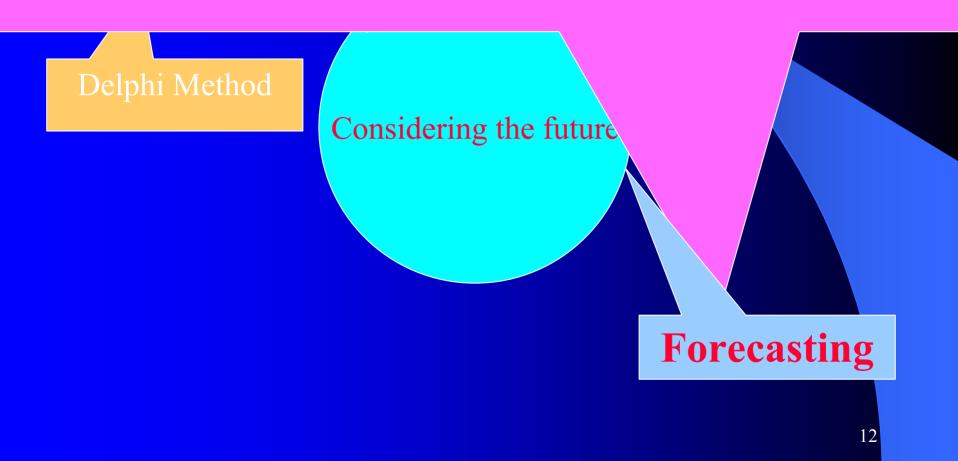


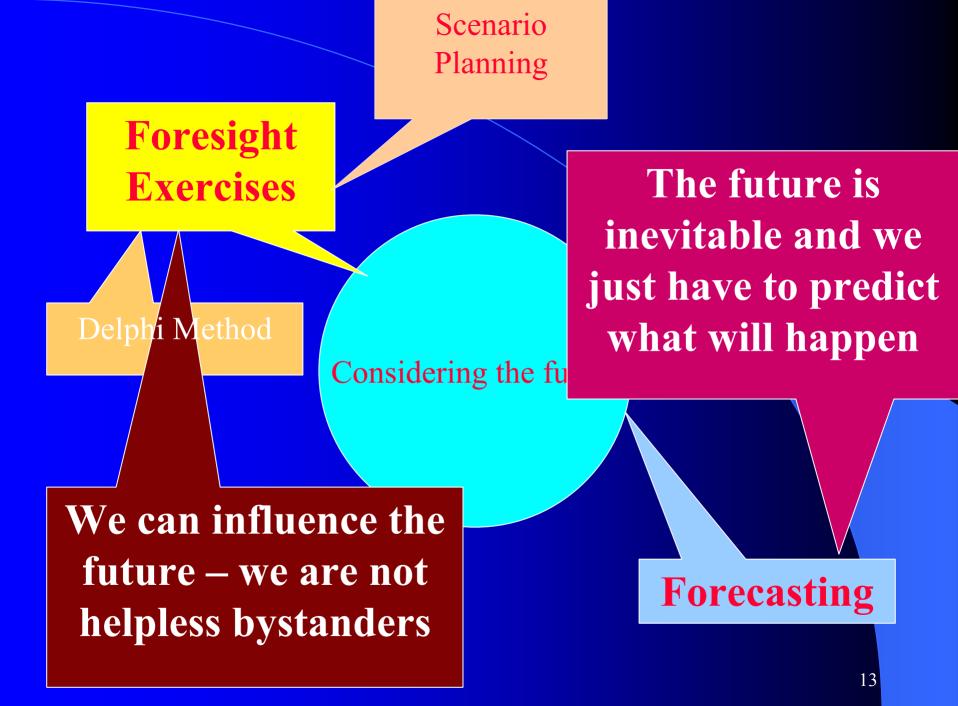




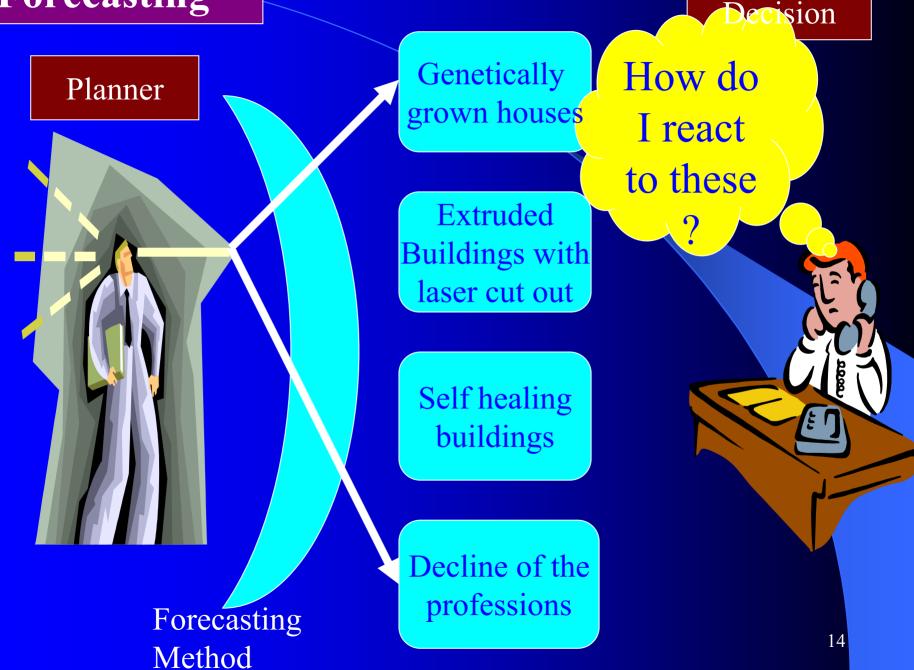


Purpose 'To predict the future , whether it is events, technological advances, or expected dates for their occurrence'





Forecasting



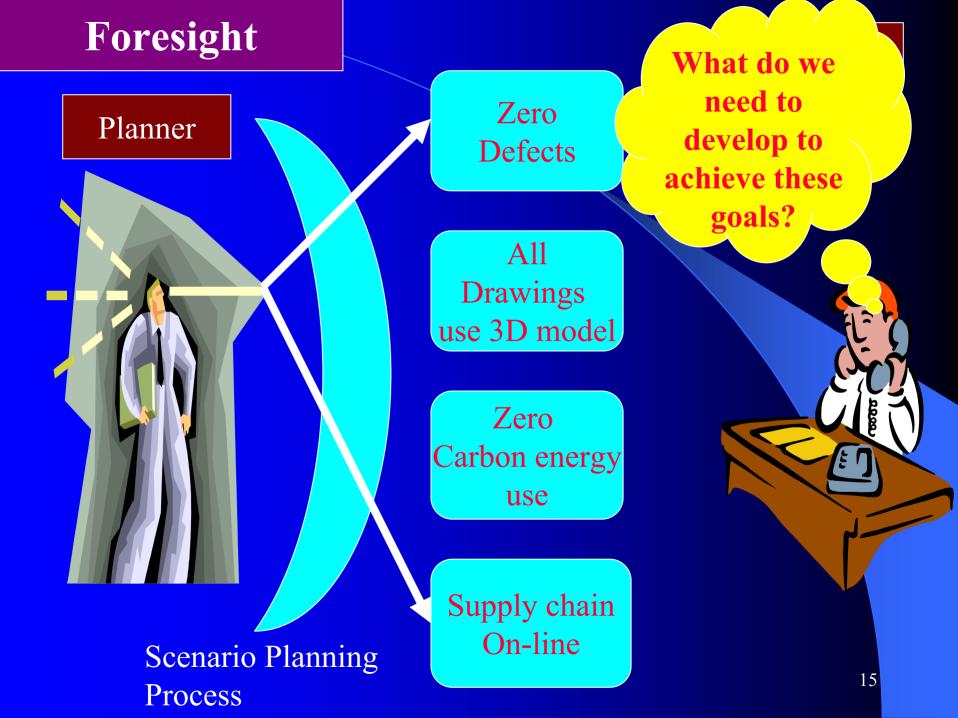
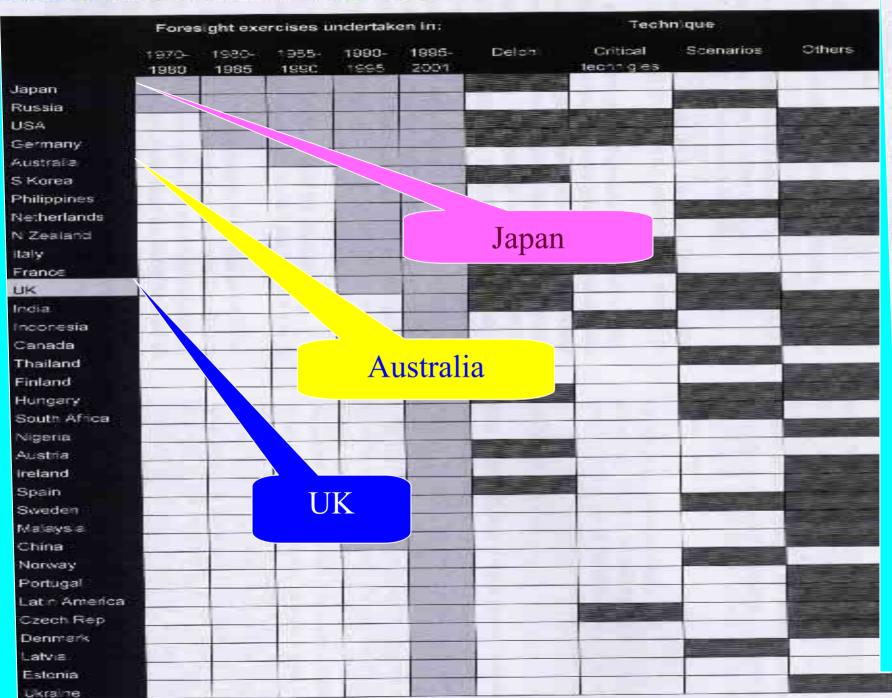


Table 5.1 The countries undertaking Foresight studies - when and how



Japanese foresight exercises 30 years on....

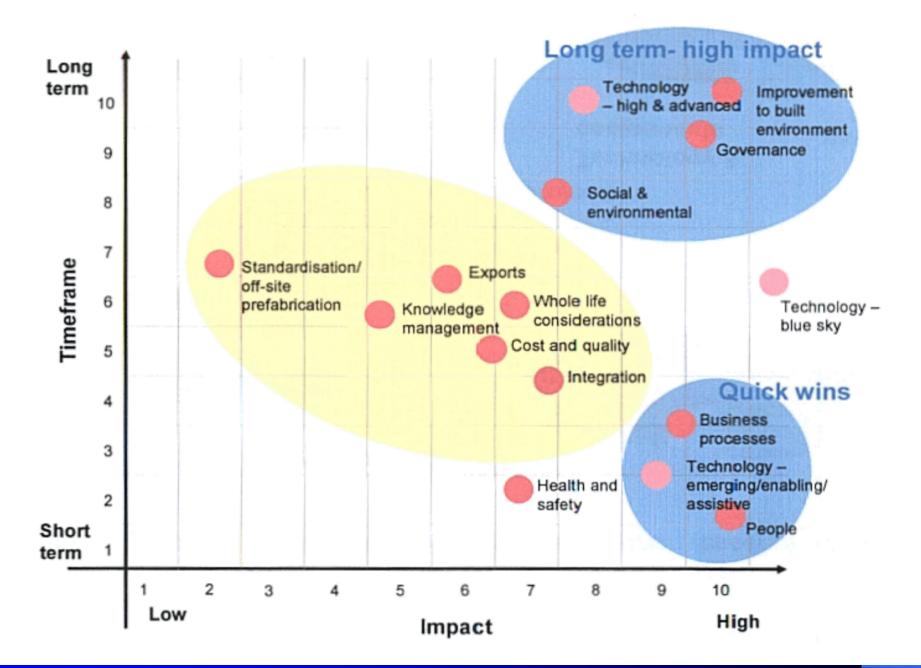
- 28% of the 530 topics in the first survey have been fully realised and 36% have been partially realised
- However 'accuracy' is not the important issue – consider Japans progress
- More important the BUT DID THEY BUT DID THEY CONSIDER ASPECTS OTHER THAN

TECHNOLOGY?

Table 4.1 The themes of construction strategies of nine countries around the world

	Australia	Canada	Finland	France	Germany	Ireland	Singapore	Sweden	UK	USA
Globalisation	1	1							1	
Innovation/R&D		1		1	1			1		
Exports/competitiveness	1					1	1		1	1
Construction and production processes			1		1			1		1
Integration – processes & people					1		1		1	
IT	1	1	1		1	1		1		
Repair & maintenance – existing stock				1		1			1	
Procurement and project delivery	1									
Service provider			1							1
People/workplace/culture	1	1				1	1	1	1	
New technologies		1			1	1		√	1	1
Environment/whole life/sustainability	1	1	1	1					1	1
Urban/city development		1		1						
Governance – codes and standards		1								1
End-user demands		1	1	1	11 A				11111	

Figure 1.3 The UK strategies in an impact-timeframe matrix





Building on what has been done elsewhere

Trying to find out what is distinctive and different about the Australian Industry

- hat the Australian night be in 20 years time
- Partly a realistic ish list' and partly a forecast of the future
 Gain consensus around carta
 Gain consensus around carta
- Gain consensus around certa

Seeking the views of the whole of the Construction industry and its clients ieve the

in each field but across the

C2020 Vision

- Involves thousands from the industry
- Looks at possible scenarios
- Gauges timescales in part
- Is strategic in nature
- Looks for the key drivers for change
- Does not re-invent the wheel

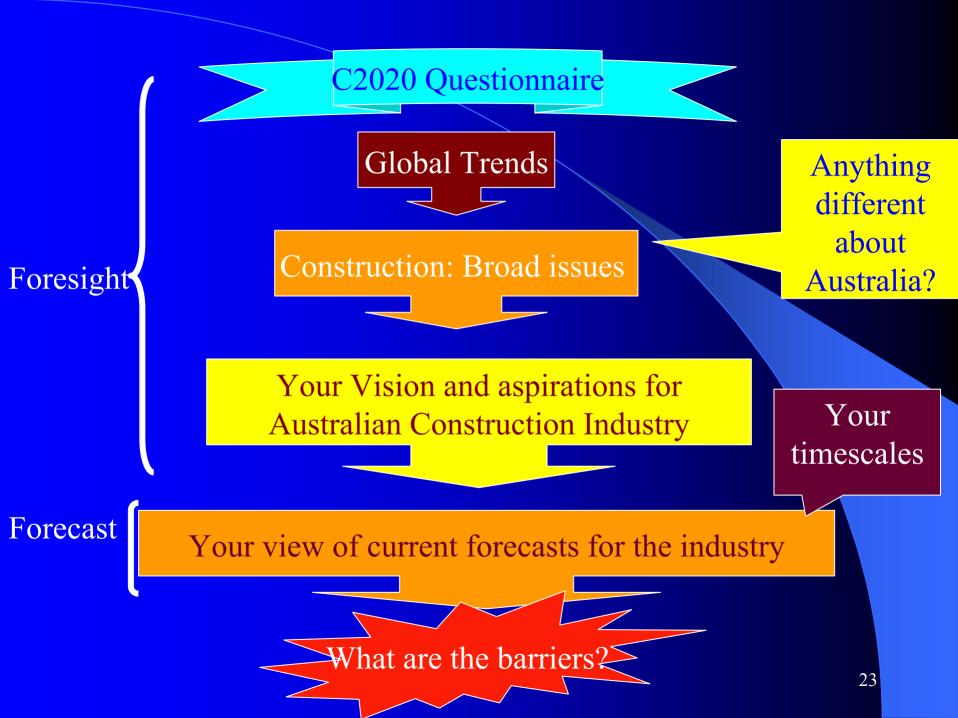
C2020 Approach

Trawl the world to see what others have done

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Report by June 2004

Workshops to hear views of all the industry Questionnaire to as many industry members as possible





Drivers for Change?

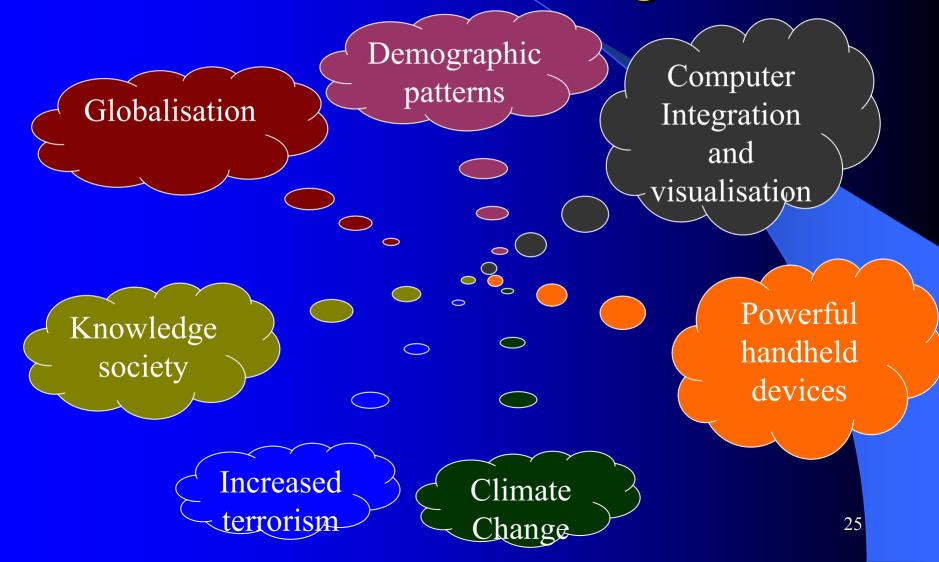


Figure 3.9 Survey of public attitudes to quality of life

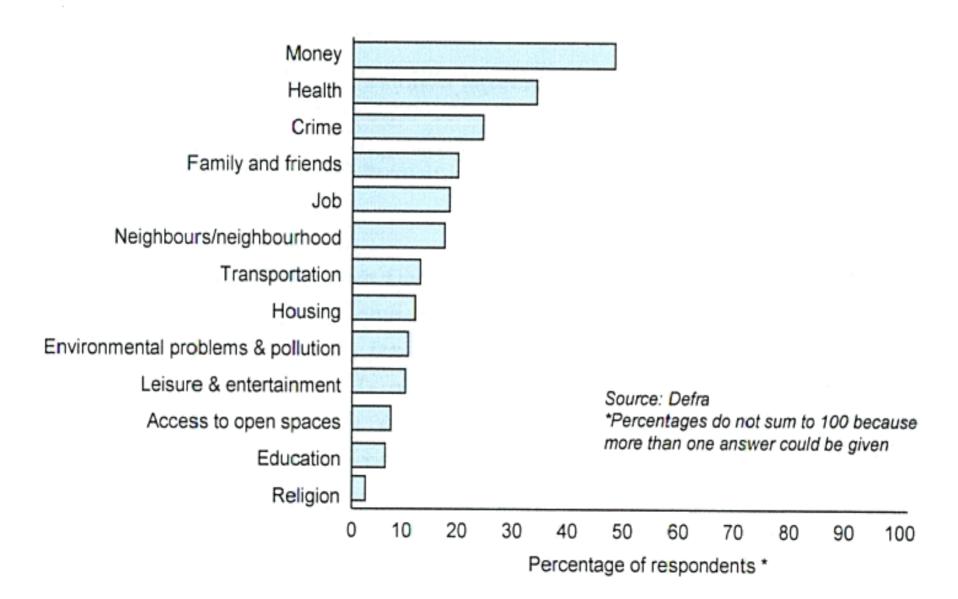


Figure 4.1 Population growth up to 2050

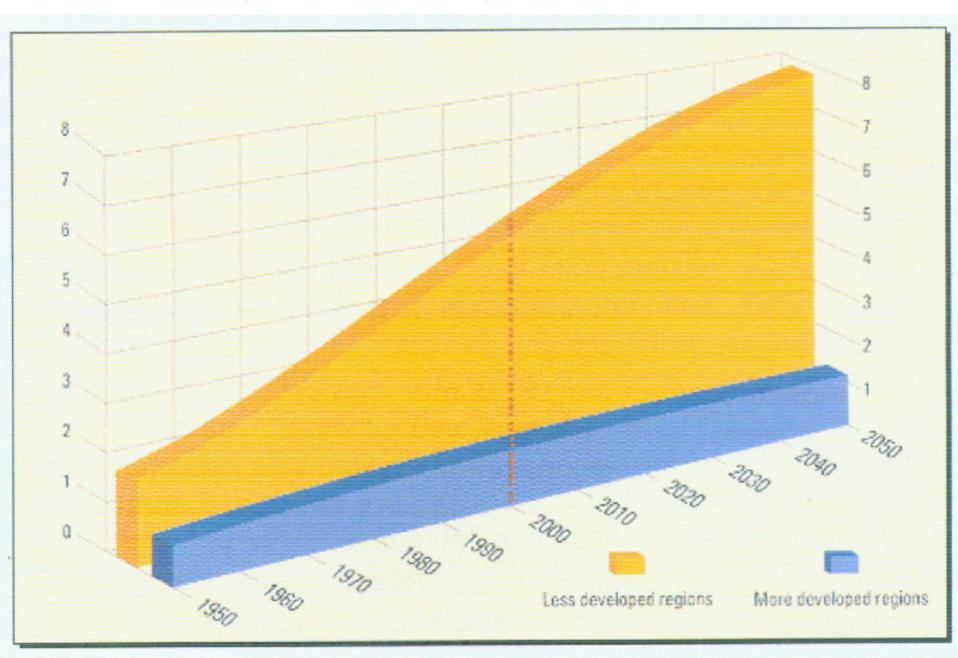
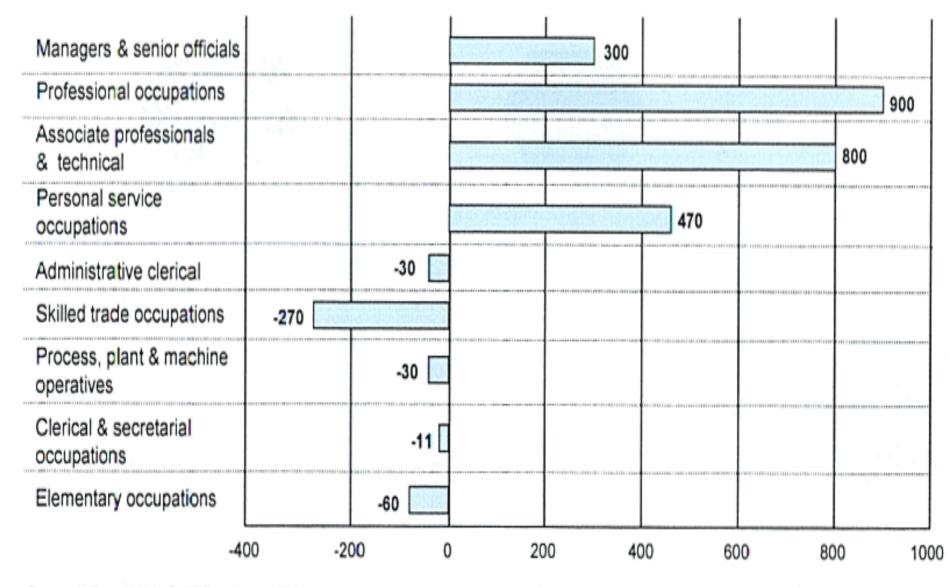
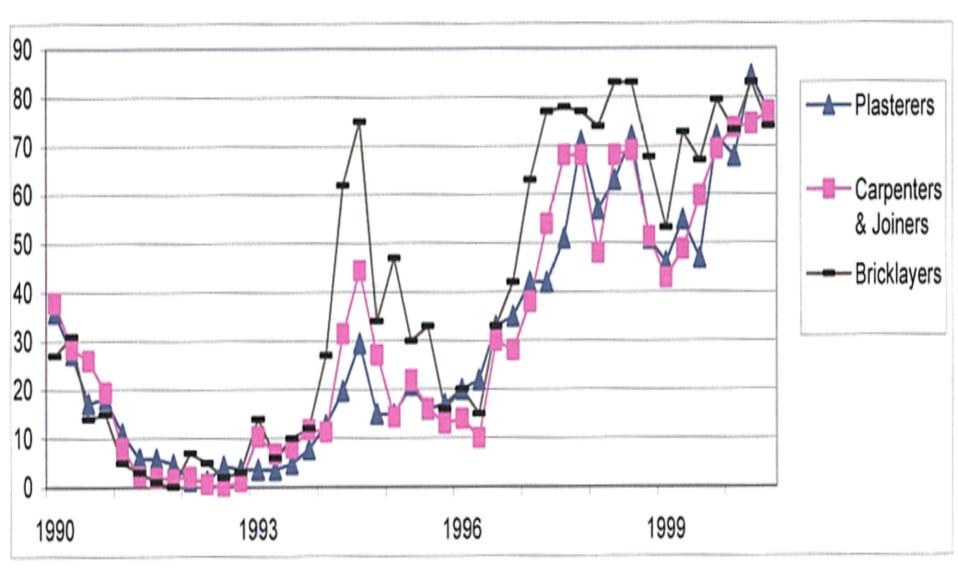


Figure 2.1 Occupational Change, 1998 – 2009 (growth in thousands)



Source: Wilson (2001) Ce/IER estimates F02F9 Forecast IN "In demand: adult skills in the 21st century, Strategy Unit, Cabinet Office

Figure 2.2 Labour availability (percentage of companies reporting difficulty) 1990-2001



Source: Construction Federation, 2002

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The end of Session 1 Presentation

