

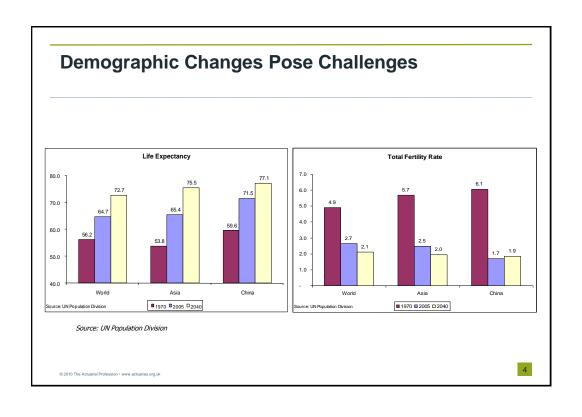
### **Contents**

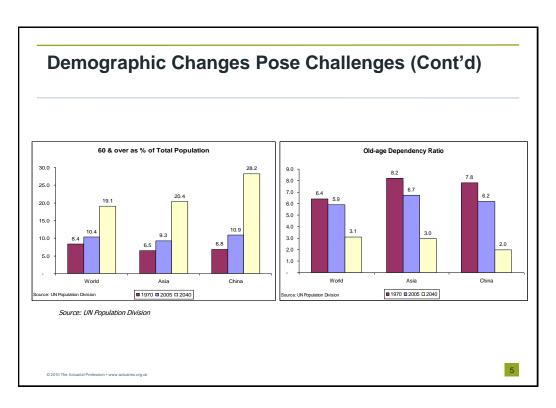
- Demographic Dynamics in China
- Pension Reforms and Enterprise Annuities
  - Urban pension system
  - Enterprise Annuities
  - New rural pension system
- National Social Security Fund (NSSF)

# Greater China Findingula Findingul

# **PRC Population**

- Total: 1.35bn
- Consider:
  - One child policy
  - Greatly improved life expectancy
  - Population ageing rapidly
  - 400mn people over age 60 in 2040





### **Old Pension System**

- Urban employees typically worked for State(SOE) for life
- Retirement at 60 (males), 55/50 (females)
- Pension from SOE of 80-90% of final salary
- In 1950s not many pensioners, low life expectancy
- By 1980s very many pensioners, improved life expectancy
- Then SOEs became under pressure to downsize

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### **Pension Reform**

- New unified pension system reform
  - Document 26 and document 38
  - Expand coverage to all urban employees
- National Social Security Fund (NSSF) established in 2000
- Regulations for Enterprise Annuities (EA) plans in 2004
- Rural population to be covered by 2020

Bank)	Chinese Terminology	Contri- butions	Funded Status
Zero	Zero: Minimum guarantee (Di Bao)	n/a	Government
I	la: Mandatory Social Pool Old Age Pension	ER: ~20% of salaries	PAYG
II	lb: Mandatory Individual Account Pension	EE: 8% of salary	Should be funded
Private III	II: Voluntary Enterprise Annuity	ER; EE	Funded
111	III: Other Voluntary Benefits	ER; EE	Funded
Private IV: State IV Family support; subsidised healthcare and housing		n/a	Government or Family
	I II	Zero Zero: Minimum guarantee (Di Bao)  I la: Mandatory Social Pool Old Age Pension  II lb: Mandatory Individual Account Pension  III: Voluntary Enterprise Annuity  III: Other Voluntary Benefits  IV: IV Family support; subsidised healthcare	Zero: Minimum guarantee (Di Bao)  I la: Mandatory Social Pool Old Age Pension  II lb: Mandatory Individual Account Pension  III: Voluntary Enterprise Annuity  III: Other Voluntary Benefits  IV: Family support; subsidised healthcare    Dutions

Source: Stirling Finance research. ER – employer; EE – employee.

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# **Urban Pension System (Cont'd)**

	Equities/ Linked products	Financial/ Corporate Bonds	G-bonds / Deposits
Pillar 1a (state)	-	-	100%
Pillar 1b (state) (IA)	-	-	100%
Pillar II (EA)	< 30%	< 50%	> 20%
Pillar III (non-EA)	< 20%	< 20%	< 100%

Source: Stirling Finance research

### **Enterprise Annuities (EAs)**

- Voluntary supplementary plans according to Ministry (MoHRSS) regulations
- Familiar structure: Trustee, administrator, fund manager, custodian
- 58 licenses have been awarded to 38 institutions
- Tax regulations (2009) and supplementary regulations (2011)
- Conversion of non-EA supplementary plans to EA format

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# **EA Investments**

- All domestic
- Investment return

- 2006-2008: 10.5% p.a. on average

- 2009: 7.8%

**- 2010: 3.6%** 

# **EA Investments (Cont'd)**

New Investment Measures (1 May 2011)

	Old Rules	New Rules
Liquid assets	≥20%	≥ 5%
Fixed income	≥20%	≤95%
Equity products	≤30%	<200/
-stocks	≤20%	≤30%

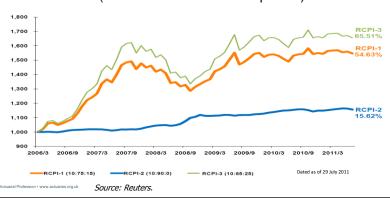
Source: Stirling Finance research

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### **EA Investment Performance**

- Reuters China Pension Index (RCPI)
  - Performance benchmarks
  - Launched on 31 March 2006
- · 3 asset mixes (cash: fixed income: equities)



### **New Rural Pension System**

- Over 50% of residents in China are rural
- Introduced in late 2008, on a voluntary basis
  - Eligibility: all rural residents
  - Pension age: 60 for M & F
  - Coverage: 23% of counties on voluntary basis by end 2010
  - Cover entire rural population by 2020 compulsorily
  - In very long term, rural and urban systems to converge

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# **New Rural Pension System (Cont'd)**

Terminology	Contributions	Benefits	Funded Status
Basic Social Pool	100% from government budget	No less than RMB 55 per month	Unfunded
Individual Account	Individuals -RMB 100/ 200/ 300/ 400/ 500 per year Government - No less than RMB 30 each year Other sources	Monthly pension benefit of 1/139 of IA balance at pension age assuming at least 15 years' contributions; otherwise, lump sum payable	Funded (accumu- lated in accordance with 1-year bank deposit rate)

Source: Stirling Finance research

### **National Social Security Fund (NSSF)**

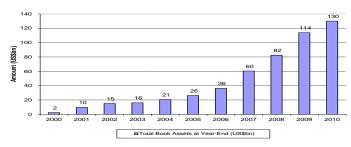
- Established in 2000
  - Pension fund of last resort
  - Strategic reserve fund
- 4 sources of funds
  - · Growing significantly in size, stature and influence
  - · Acting like Sovereign Wealth Fund

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# **NSSF Assets**

- Assets:
  - The biggest institutional investor in China's pension sector
  - US\$130bn total assets as of end 2010
  - Aiming to reach RMB1.5trn (US\$231bn) by 2015



Source: NSSF; Stirling Finance research

# **NSSF Investment Portfolio**

· Well diversified Portfolio

Geographic al Allocation	Execution	Permitted investments	Сар	
Domestic	Direct	Bank deposits	- F00/	
	Direct	Government bonds	>= 50%	
		Equities	=< 40%	
	Appointment	Fixed income =< 10%	=< 10%	
		PE funds	>= 50% =< 40%	
International	A m m a internant	Equities	. 200/	
	Appointment	Fixed income	=< 20%	

Source: Stirling Finance research

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# **Appointment of Domestic Fund Managers**

- 2001 2002
  - direct investments only
  - modest returns: 2% 3%
- Domestic appointments in 3 batches

### **International Investments**

- Use FX to invest abroad in 2006
- Appointed international investment managers in November 2006
  - 5 mandates with 10 winners selected
- Second batch of mandates issued in May 2008
  - 5 mandates with 12 fund managers selected
  - Current allocation: 7%

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### **First Batch of Overseas Investment Initiatives**

Mandate	Index	Target Net-of- Fees Excess Return p.a.	Tracking Error	Managers
Global (ex- US) Equities	MSCI World (ex USA)	+ 200 bps	Within 8% p.a.	Allianz; Invesco; UBS/CICC
US Equities	S&P 500	+ 50bps	Within 2% p.a.	AllianceBernstein; AXA Rosenberg
Hong Kong Equities	FTSE China Hong Kong	+ 300 bps	Within 8% p.a.	JanusINTECH; T. Rowe Price
Global Fixed Income	Barclays Capital Global Aggregate Bond	+ 100 bps	Within 2% p.a.	AllianceBernstein; Blackrock; PIMCO
Cash	6-month LIBOR	0	N/A	Blackrock

Source: NSSF
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### **Second Batch of Overseas Investment Initiatives**

Mandate	Benchmark	Appointed Fund Managers
Active China Overseas Equity	MSCI China Index	Schroders; Bosera; Baring
Active Asia Pacific	MSCI All countries Asia	Martin Currie; JF; Principal
(ex Japan ) Equity	Pacific ex Japan Index	
Active Emerging Market Equity	MSCI Emerging Market Index	Batterymarch; Morgan Stanley; Schroders
Active European Equity	MSCI Europe Index	Newton; Fidelity
Active Global Equity	MSCI World Index	Prudential (UK); Wellington

Source: NSSF

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### **NSSF Investment Returns**

- Investment returns as at 31 December 2010
  - 9.2% p.a. since inception
  - Price inflation (2.1%), earnings inflation (10%-12%), and asset inflation(15%-20%)
- Is diversification appropriate?

