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# SAMUEL WILLS

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Australian | UK Visa: Tier 1 (Exceptional Promise)

## EDUCATION

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- 2010-2014 **D.Phil (Ph.D.) in Economics** *University of Oxford, Pembroke College*
- Thesis: “Macroeconomic policy in resource-rich economies”, Advisor: R. van der Ploeg
  - Fully funded on General Sir John Monash Award: Australia’s top postgraduate award (A\$ 150,000)
  - Awarded 2012 David Walton Scholarship for top D.Phil candidate in macroeconomics or finance
- 2008-2010 **M.Phil in Economics** *University of Oxford, Pembroke College*
- Thesis: “Volatility and macroeconomic policy in resource-rich economies”, Advisor: R. van der Ploeg
  - Fully funded on Commonwealth Scholarship (£ 70,000)
  - Awarded 2009 Pembroke College Collingwood Prize for academic achievement
- 2003-2007 **B.Com in Actuarial Studies and Finance** *University of New South Wales, New College*
- Thesis: “The pricing of tranching longevity bonds”, Advisor: M. Sherris
  - University Medal in Actuarial Studies, First Class Honours, High Distinction weighted avg. mark
  - Awarded 2007 Investec Prize for “Most outstanding all-round student” in commerce or economics

## EMPLOYMENT

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- 2017- **Rokos Capital Management (Global Macro Hedge Fund)** *Economist*
- Responsible for the firm’s macroeconomic forecasting, views and strategy for Australia and New Zealand
  - Consistent 4 and 5 star (/5) performance reviews
- 2016-2017 **University of Sydney, School of Economics** *Assistant Professor (tenure-track)*
- Researched and Designed/Convened/Lectured 1<sup>st</sup> yr macroeconomics course (10 tutors/800 students).
- 2013-2016 **University of Oxford, OxCarre, Department of Economics** *Research Fellow*
- Principal Investigator on personal ESRC Future Research Leaders Grant (£ 150,000)
  - Research areas: macroeconomics/finance/natural resource economics/development economics
- 2012 **Bank of England** *David Walton Scholarship Intern*
- Built empirical model of QE & money flows now used in Monetary Policy Committee suite of models
- 2009 **Australian Department of Prime Minister and Cabinet** *Strategy and Delivery Division Intern*
- Advised Prime Minister and senior Department officials on microeconomic reform
- 2008 **McKinsey and Company** *Business Analyst*
- Advised Australian Securities and Investments Commission on strategy during the financial crisis
  - Advised major banks, financial firms and retail businesses on corporate strategy
- 2006 **Australian Prudential Regulation Authority (APRA)** *Actuarial Analyst (Co-Op Scholar)*
- Monitored liquidity and capital adequacy of Australian insurers
- 2005-2006 **Taylor Fry Consulting Actuaries** *Actuarial Analyst (Co-Op Scholar)*
- Analysed and prepared reports on the actuarial liabilities of Australian insurers
- 2004-2005 **Westpac Bank – Interest Rate Risk Management** *Analyst (Co-Op Scholar)*
- Developed model to improve coordination of asset and liability duration

**PART-TIME APPOINTMENTS/CONSULTANCY**

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2017-	<b>University of Sydney</b> , School of Economics	<i>External Research Associate</i>
2016-	<b>University of Oxford</b> , OxCarre, Department of Economics	<i>External Research Associate</i>
2014-	<b>Australian National University</b> , Centre for Applied Macro. Analysis	<i>External Research Associate</i>
2013-2016	<b>University of Oxford</b> , Pembroke College	<i>Junior Research Fellow</i>
2013-2016	<b>London School of Economics</b> , Centre for Macroeconomics	<i>Research Associate</i>
2015	<b>University of California, Berkeley</b>	<i>Visiting Scholar</i>
2014	<b>Australian National University</b>	<i>Visiting Scholar</i>
2013-2014	<b>International Monetary Fund and UK DFID</b>	<i>Commissioned Researcher</i>
	- Studied how oil exporters should manage sovereign wealth funds and foreign currency reserves	
2011-2014	<b>World Bank</b>	<i>Consultant Economist</i>
	- Provided advice on Uganda entering EAMU, and on oil policy in Iraq and Libya	
2012	<b>Natural Resource Charter</b>	<i>Consultant Economist</i>
	- Prepared case studies on auctioning resource exploration rights and taxing revenues	
2011	<b>International Growth Centre and Government of Ghana</b>	<i>Consultant Economist</i>
	- Analysed and made recommendations on Ghana's Petroleum Revenue Management Act (2011)	

**ADDITIONAL GRANTS, SCHOLARSHIPS AND PRIZES: SELECTION**

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2014	Scholarship to attend Lindau Nobel Prize Meeting on Economics
2012	Pembroke College Senior Studentship for academic achievement
2007	Ernst & Young, and EJ Blackadder Honours Excellence Scholarships
2007	Completed Part I and II qualifications of the Institute of Actuaries of Australia (out of III)
2003-2006	UNSW Actuarial Studies Co-Op Scholarship: 15 months of industry training (AU\$ 60,000)

**PUBLICATIONS: SELECTION***(complete list at [www.samuelwills.net/research/](http://www.samuelwills.net/research/))*

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**Left in the Dark? Oil and Rural Poverty** (2018) with Smith, B., *Journal of the Assoc. of Environmental and Resource Economists (JAERE)*, 5(4)

- Developed new method for measuring poverty globally at 1kmx1km resolution, by using satellites to count people living in darkness at night. Used method to track proceeds of oil discoveries.

- Awarded the Ralph C. d'Arge and Allen V. Kneese Prize for the best paper in *JAERE* in 2018

**The Rebuilding Macroeconomic Theory Project** (2018) with Vines, D., *Oxford Review of Economic Policy*, 34(1-2):1-42

- Co-led project bringing together 18 leading macro-economists (including 2 Nobel Laureates) to understand how macroeconomics should respond to the 2008 crisis

- Subject of a 5-part special series in the Financial Times (UK).

**The Elephant in the Ground: Managing Oil and Sovereign Wealth** (2016) with van den Bremer, T. and van der Ploeg, R., *European Economic Review*, 82:113-131

- Derived how to optimally manage both oil wealth and sovereign wealth in combination.

- Used results to advise Norway's Ministry of Finance. Paper was cited in their decision to increase the \$1 trillion Sovereign Wealth Fund's equity mix, reduce the spending rule, and divest highly oil-exposed stocks

**TEACHING EXPERIENCE**

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**University of Sydney: Undergraduate Economics**2017 **Introductory Macroeconomics ECON 1002:** Course designer, convenor and lecturer.2017 **Honours Thesis Supervisor:**

- “The Effects of Fiscal Stimulus on Unemployment: A local area analysis of Australia during the Global Financial Crisis” by James Plummer (1st class Honours)

- “Spontaneous Optimism: Evidence from American Football” by Scott McElroy (1st class Honours)

**University of Oxford: M.Sc. in Economics for Development**2015-2016 **Natural Resources and Development:** Course designer, convenor and lecturer2011 **Mathematics and Statistics:** Lecturer2010-2011 **Macroeconomics:** Class Teacher (for Professor Christopher Adam)2010-2011 **International Trade:** Class Teacher (for Professor Adrian Wood)**University of Oxford: Undergraduate Economics**2013-2014 **Introductory Macroeconomics:** Teaching Assistant – prepared lectures for Sir John Vickers**University of New South Wales: B.Com in Actuarial Studies**2006-2007 **Actuarial Studies and Finance ACTL 1001:** Class Teacher (for Professor Michael Sherris)2007 **Financial Mathematics ACTL 2001:** Class Teacher (for Professor Michael Sherris)**POLICY PAPERS: SELECTION***(complete list at [www.samuelwills.net/policy/](http://www.samuelwills.net/policy/))*

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- Economic Diversification and Growth in an Era of Oil Price Volatility (2016) Chapter 7 background papers with van der Ploeg, R. *World Bank Country Economic Memorandum for Uganda*- Economic Principles for Resource Revenue Management (2015) with Venables, A. *IMF Research Bulletin* 16(3), 1-4- A Stable and Efficient Fiscal Framework for Saudi Arabia (2015) by Alswellem, K.A. (provided expert advice) *Belfer Center Report, Harvard Kennedy School*- Monetary Union and East Africa’s Resource Wealth (2014) *World Bank Report*- Managing Libya’s Oil Wealth (2014) *World Bank Report*- Oil and Fiscal Policy in Iraq (2012) with Venables, A. and van der Ploeg, F. *in World Bank Country Economic Memorandum*- Harnessing Oil Revenues in Ghana (2011) with van der Ploeg F. and Stefanksi, R. *International Growth Centre report***EXTRA-CURRICULAR ACTIVITIES: SELECTION**

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2016- *Oxford Review of Economic Policy:* Editorial Board2008-2017 Invited speaker at (selection): **Conferences:** Stroock SWF Forum, Jackson Hole (adjoining annual policy symposium); **Universities:** Oxford, Cambridge, Warwick, LSE, UC Berkeley, Sydney, Monash, ANU, UNSW, Hebrew U (Jerusalem), BI Business School (Oslo). **Central banks:** RBA, RBNZ, Bank of England, Norges Bank, US Federal Reserve Board2010-2011 President: Pembroke College Middle Common Room *University of Oxford*2009-2012 Australia Rules Football: Oxford University, 4x varsity match winners *University of Oxford*2005 Team Leader: Habitat for Humanity Global Village Program *Bobol, The Philippines***REFERENCES**

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- Details available upon request -