

## SARAH BELL

Department of Civil and Environmental Engineering  
University College London  
London WC1E 6BT

### EDUCATION

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- 2004 **University of Sydney**  
*Graduate Certificate of Educational Studies (Higher Education)*
- 2000 – 2003 **Murdoch University**  
*Doctor of Philosophy (Sustainability and Technology Policy)*
- Passed with minor amendments
  - Thesis title “Researching Sustainability: Material Semiotics and the Oil Mallee Project”
- 1997 – 1999 **University of New England**  
*Master of Environmental Management*
- 1992 – 1996 **University of Western Australia**  
*Bachelor of Science (Chemistry)*
- Bachelor of Engineering (Environmental)*
- First Class Honours
  - Thesis title “Convectively Driven Circulation in Lake Yangebup: Field and Numerical Comparison”

### ACADEMIC WORK EXPERIENCE

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| 2005 - | <b>University College London</b><br>Department of Civil and Environmental Engineering<br><i>Lecturer</i> | United Kingdom |
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### RESEARCH GRANTS

Emerging sustainability

- Primary Investigator Engineering and Physical Sciences Research Council (EPSRC) funded grant £459,000 full economic cost, 2007 - 2010

Critical infrastructures

- Co-investigator EPSRC funded grant £405,000 full economic cost, 2007 – 2010

Bridging the Gaps: Sustainable Urban Spaces

- Primary Investigator EPSRC funded grant £750,000 full economic cost, 2008 - 2011

### CURRENT RESEARCH STUDENTS

Joseph Hillier ‘Hydropolis: history of water, engineers and power in London’

- EPSRC Doctoral Training Account (DTA) studentship

Victoria Aitken ‘Household water use in the Thames Valley’

- EPSRC Collaborative Training Account (CTA) and Thames Water funded EngD

Catherine Crawford ‘District infrastructure provision in Cusco, Peru’

- EPSRC Doctoral Training Account (DTA) studentship

Crystal Fenwick ‘Assessing water vulnerability in rural Mexico’

- EPSRC Doctoral Training Account (DTA) studentship

Tse-Hui Teh ‘Hydro-urbanism: tactics and strategies for a distributed urban water-cycle infrastructure’

- UCL Environment Institute and Overseas Research Studentship

Andrew Chilvers ‘Engineering Engagement’

- EPSRC Collaborative Training Account (CTA) and Arup funded EngD

**UCL ENVIRONMENT INSTITUTE**

- Co-director: Water initiative

**UCL URBAN LABORATORY**

- Steering committee member

**MSc PROGRAMME DIRECTOR**

- MSc Environmental Systems Engineering
- Primary Investigator EPSRC CTA funding £181K

**MODULE CO-ORDINATOR**

- Systems Society and Sustainability (Year 4, MSc, EngD)
- Collaborative Environmental Systems Project (Year 4, MSc, EngD)

**OTHER TEACHING ACTIVITIES**

- First year walking tour
- Second year communication skills and engineering history

**UNDERGRADUATE TEACHING PROGRAMME EVALUATION**

- Centre for Advancement of Teaching and Learning secondment £5000

**PROFESSIONAL DEVELOPMENT ACTIVITIES**

- UCL Leading and Managing Research Teams programme
- EPSRC Challenging Engineering Workshop

**CONSULTING CLIENTS**

- Thames Water Ltd

**INVITED PUBLIC TALKS**

2007 *Everyday Water*, Engineering Week Symposium, Institution of Mining, Materials and Manufacturing, Thames Barrier

2007 *Slow Water* (chair of discussion panel), London Design Festival exhibition, Royal College of Art

2007 *Water, Waste and Energy Roundtable* (introductory speaker), waterwise

2006 *Drought in Australia*, Thames Valley Local Government Association, Reading

2005 GCSE award ceremony speaker, Wallington Girls School

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2003 – 2004

**University of Sydney**

Faculty of Rural Management

*Associate Lecturer, Environmental Management*

New South Wales, Australia

**UNIT CO-ORDINATOR**

- People, Policy and the Environment (undergraduate)
- Managing Sustainable Development (undergraduate)
- Sustainable Agriculture: Issues and Viewpoints (postgraduate)

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2000 – 2002

**Murdoch University**

Western Australia

**TUTOR, LECTURER AND RESEARCH ASSISTANT**

- Institute for Sustainability and Technology Policy
- Chemistry
- Politics

## **PUBLICATIONS**

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### **JOURNAL ARTICLES**

- Bell, S. (2006). Concerned scientists, pragmatic politics and Australia's green drought. *Science and Public Policy* 33 p. 561-570.
- Bell, S. & M. Moller (2006) The Green Drought, *Australian Humanities Review*, **38** available on-line <http://www.lib.latrobe.edu.au/AHR/>.
- Bell, S. (2005) Constructing sustainable rural landscapes: Oil Mallees and the Western Australian wheatbelt, *Geographical Research*, **43** p. 194-208.
- Bell, S. (2005) The wheatbelt in contemporary rural mythology, *Rural Society* **15** p. 176-190.
- Bell, S., A. Barton & L. Stocker (2001) Agriculture for Health and Profit, *Ecosystem Health*, **7** p. 116-121.

### **BOOK CHAPTERS**

- Bell, S. (2005) The Oil Mallee Project: Cross-sectoral agro-industrial development in Western Australia, in Filho, W. L. (ed), *Handbook of Sustainability Research*, Peter Lang Scientific Publishers, pp. 267-298.

### **REFEREED CONFERENCE PRESENTATIONS**

- Bell, S. (2004) Shock-jocks and scientists: Drought in the Media 2002, *Ecopolitics XV*, Sydney, 13-14 November.

### **CONFERENCE PRESENTATIONS**

- Bell, S. (2007) The driest continent and the greediest water company, Plenary Speech, *In the Pipeline*, University of Western Sydney, 19-20 July.
- Crawford, C. and S. Bell (2007) Sustainable District Infrastructure in Cusco, Peru. *8<sup>th</sup> National UK Young Water Professionals Conference*, University of Surrey, 18-20 April.
- Bell, S. (2004) Knowing Sustainability: Material Semiotics and Oil Mallees, *Australian Association for the History, Philosophy and Social Studies of Science Annual Conference*, Newcastle, 5-9 July.
- Bell, S. (2004) Constructing Sustainable Rural Landscapes: Oil Mallees, Industrial Agriculture and Fluid Wheatbelt Spaces, *Agri-food XI*, Canberra, 9-11 June.
- Bell, S. (2003) Intersecting policy, research and practice in the Oil Mallee Project, *Ecological Society of Australia Annual Conference*, Armidale, December.
- Bell, S. (2002) A new agriculture in Western Australia: The Oil Mallee Project, *International Sociology Congress*, Brisbane, July.
- Bell, S. (2002) Agri-cultural possibilities for Western Australian sustainability, *Environment Community and Culture*, Brisbane, July.
- Bell, S. (2002) Local ecology as the basis for a new industry in Western Australia: The Oil Mallee Project, *Greening of Industry Network*, Gothenburg, June.
- Bell, S. (2000) Agriculture for Health and Profit in Western Australia: The Western Oil Mallee Project, *International Society for Ecosystem Health Symposium*, Brisbane, July.

### **BOOK REVIEWS**

- Bhavnani, K., J. Foran & P. Kurian (2003) *Feminist Futures: Re-imagining Women, Culture and Development*, Zed Books, London & New York. Reviewed for *Australian Journal of Political Science* (2004) **39** p. 661-681.

### **COMMISSIONED REPORTS**

- Bell, S. & D. Bennett (2002) *Regional Benefits of an Integrated Oil Mallee Processing Plant*, Background Paper, Western Australian State Sustainability Strategy,

## PEER REVIEWER

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Urban Studies (2007)  
Environmental Engineering (2006)  
Ecosystem Management and Restoration (2004)

## OTHER PROFESSIONAL WORK EXPERIENCE

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|-------------|--|---|
| 2000        | <b>Agwest Trade and Development</b><br><i>Project Officer</i>  | Western Australia                         |
|             | <ul style="list-style-type: none"><li>▪ Prepared and analysed production and market information for report titled "Strategic Analysis of the Western Australian Sheep Meat and Live Sheep Industries"</li></ul>  |   |
| 1997-1999   | <b>Boyne Smelters Ltd</b><br><i>Environmental and Process Engineer – Carbon</i>  | Queensland, Australia                     |
|             | <ul style="list-style-type: none"><li>▪ Prepared and administered Waste Management Plan</li><li>▪ Project Leader - Anode Performance Data Team (5 months)</li><li>▪ Acting Specialist - Process and Planning (5 months)</li><li>▪ Prepared Production Plan and Cost Centre Budgets</li><li>▪ Prepared Monthly Production Statistics</li><li>▪ Project Leader - Tar Recycling Project</li></ul> |   |
| 1992 – 1996 | <b>Renison Goldfields Consolidated</b><br><i>Vacation Student</i>  | Western Australia & Tasmania<br>Australia |
|             | <ul style="list-style-type: none"><li>▪ Metallurgical projects at Narngulu Synthetic Rutile Plant</li><li>▪ Prepared Draft Hazardous Materials Management Plan at Renison Tin Mine</li></ul>   |   |