



Peter Graham – Convenor, ACCARNSI Node 3

BBuild, Grad Cert TTL, MAppSc (Building), PhD

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Peter Graham is Head of Discipline - Architecture & Design, Faculty of the Built Environment (FBE) at the University of New South Wales (UNSW), Australia. He is the Technical Advisor and former Coordinator of the United Nations Environment Programme's (UNEP) Sustainable Building and Climate Initiative (www.unep.org/sbci). In this role Peter works closely with the public, civil and private sectors to assist the global transition to a sustainable building and construction industry. Prior to the SBCI he was Lecturer and Stream Leader of Technologies in the Architecture Program at UNSW and has also held academic positions in sustainable construction at the Royal Melbourne Institute of Technology. Peter's focus is to combine education, social awareness, technological advances and ecological balance in order to ensure the promotion of efficient living in an attempt to make a healthier and more permanent environment. He specializes in assessing the life-cycle sustainability of building development, and ecological design education. His international research includes work with the United Nations Environment Programme, International Energy Agency, the International Council for

Research and Innovation in Building Construction, the International Initiative for Sustainable Built Environments and aid work in Pacific Island Nations with AusAID.

Qualifications

BBuild (Distinction), MAppSc (Building), Grad Cert TTL, RMIT
PhD, UNSW

Professional History

1993-1995: Construction Manager and Quality Manager, Robak Engineering and Construction

1995-2003: Lecturer, Dept of Building and Construction Economics, RMIT, Melbourne

1997-2003: Lecturer, Singapore Institute of Management, RMIT, Singapore

2001 : In-country trainer, AusAID Tuvalu

2003- : Senior Lecturer, Faculty of the Built Environment (FBE), UNSW

2007-2009: Coordinator – Sustainable Buildings & Construction Initiative, United Nations Environment Programme

2010- : Acting Head of Discipline – Architecture & Design, FBE, UNSW

Specialist Fields

- Sustainable Development
- Ecological Design Education
- Buildings & Climate Change Policy & Performance
- Environmental Aspects & Impacts of the Construction & Operation of the Built Environment

Selected Publications

Books:

Graham, P and Booth, P. (2010) *Education Policy Guidelines for Sustainable Built Environments*. United Nations Environment Programme, Bangkok.

Graham, P. (2003) *Building Ecology: First principles for a sustainable built environment* Blackwell Publishing, Oxford UK.

Book Chapters:

Chen, N., and Graham, P. (2010) "Climate Change as a Survival Strategy: Soft infrastructure for urban resilience and adaptive capacity in Australia's coastal zones" in *Resilient Cities 2010* Springer-Verlag, Munich

Randolph, B., Kam, M. and Graham P. (2007) "Who can afford sustainable housing?" in *Steering Sustainability* RMIT Publishing, Melbourne

Graham, P. (1998) "Sustainable Development & Construction in Australia" *Compendium of Sustainable Construction and Development* CIB TG16

Graham, P., and Kibert, C. (1998) "Global trends in Sustainable Development & Construction" *Compendium of Sustainable Construction and Development* CIB TG16,

Peer Reviewed Research Reports:

Graham, P. and Yamamoto, J. Eds. (2009) *Greenhouse Gas Emission Baselines and Emission Reduction Potentials from Buildings in South Africa*, United Nations Environment Programme, Paris.

Graham, P. and Yamamoto, J. Eds. (2009) *Greenhouse Gas Emission Baselines and Emission Reduction Potentials from Buildings in Mexico*, United Nations Environment Programme, Paris.

Graham, P. and Yamamoto, J. Eds. (2009) *Buildings & Climate Change: A Summary for Decision-Makers*, United Nations Environment Programme, Paris.

Recent Refereed Journals, Articles, Proceedings:

Graham, P. (2008) 'Sustainability & the Struggle for Hegemony in Australian Architectural Education' in *Proceedings of the World Sustainable Building Congress "SB08"* Melbourne, September 2008 (Awarded best paper on education)

Graham, P. (2006) "Sustainable building Education: The state of play" *Proceedings – Construction, Sustainability and Innovation. International Conference on Building Education and Research Conference* CIB W89 Hong Kong, April 10-13.

Graham, P. (2005) "Building Ecology – A systems approach for developing ecological literacy for students of building professions" *Proceedings SB05 World Sustainable Building Conference* Tokyo, September 27-29

Graham, P (2005) "Design for Adaptability: An introduction to the principles and basic strategies." *The Environment Design Guide* GEN 66, Royal Australian Institute of Architects, February.

Graham, P. (2003) "The Role of Environmental Performance Assessment in Australian Building Design" *International E-Journal of Construction – Special Edition* 14th May, Available on-line at http://www.bcn.ufl.edu/cgi-bin/cm/receiver.pl?trsi_01=iejc:trsi_02=le01

Graham, P. (2000) "Building Education for the Next Industrial Revolution: teaching and learning environmental literacy for the building professions" *Construction Management and Economics* Vol 18 Special Edition p917-925.

Graham, P. and Walker, D. (2000) "First steps toward achieving environmental sustainability for developed projects – A holistic life-cycle procurement objective" *Journal of Construction Procurement* Vol.6 No. 1 pp 66 - 83