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Technology, Sydney**

UTS

THINK.CHANGE.DO

**Leadership and Change for Energy Efficiency in Accounting &
Management**

Presentation by Patrick Crittenden (Project Manager)

**Webinar: Building the Local Workforce to Promote Energy
Management in Industry and Buildings**

January 29/30, 2014



Outline

- > Project background and rationale
- > Training Needs Analysis
- > Description of the pilot training and materials developed
- > Key lessons learnt and future activities

Project material including teaching resources is available on the project website

<http://www.business.uts.edu.au/energyefficiency/>



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Project Background & Rationale



Project funding



- > Office of Environment & Heritage NSW.
- > The 'Energy Efficiency Training Program' aims to support the development and delivery of higher education courses that enhance energy efficiency knowledge and practice.
- > See <http://www.environment.nsw.gov.au/sustainbus/greenskills/eneftraining3.htm> for a description of the other projects



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Key Project Partners



ERNST & YOUNG
Quality In Everything We Do



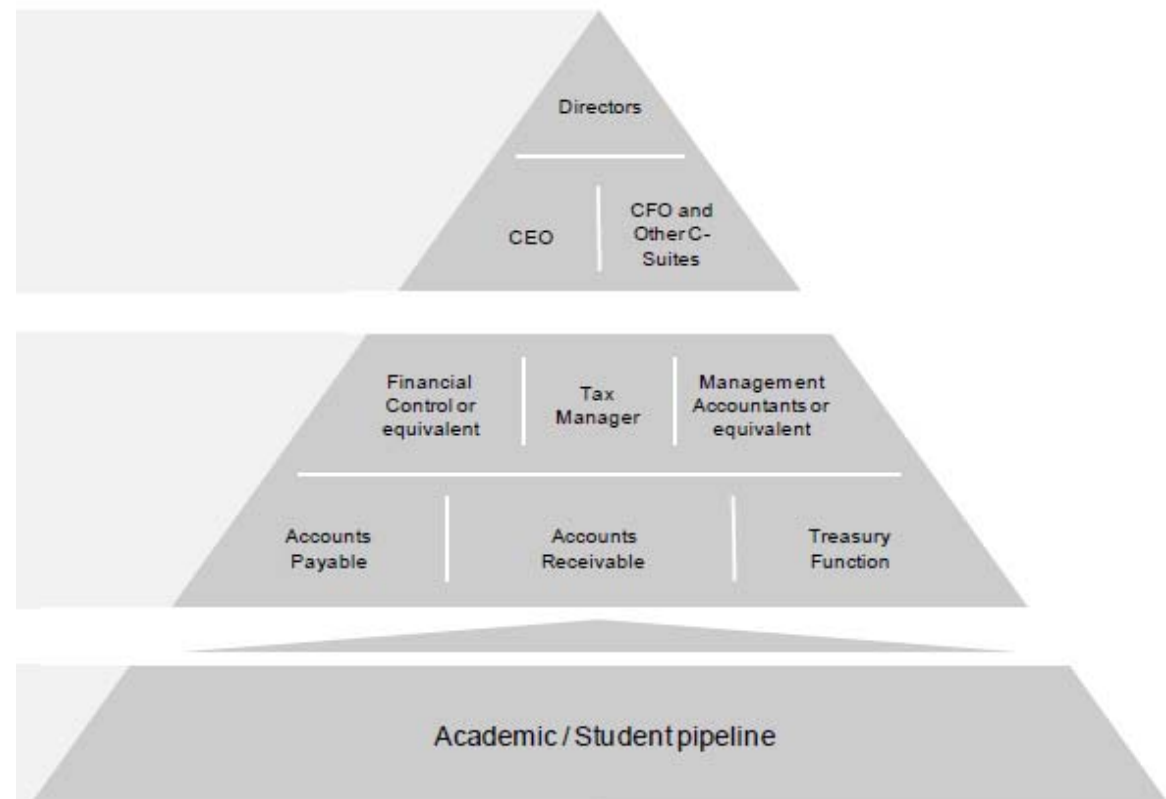
Chartered Institute of
Management Accountants



- > UTS Business School
- > Ernst & Young
- > Chartered Institute of Management Accountants (CIMA)
- > The Westpac Group
- > TAFE NSW, Sydney Institute

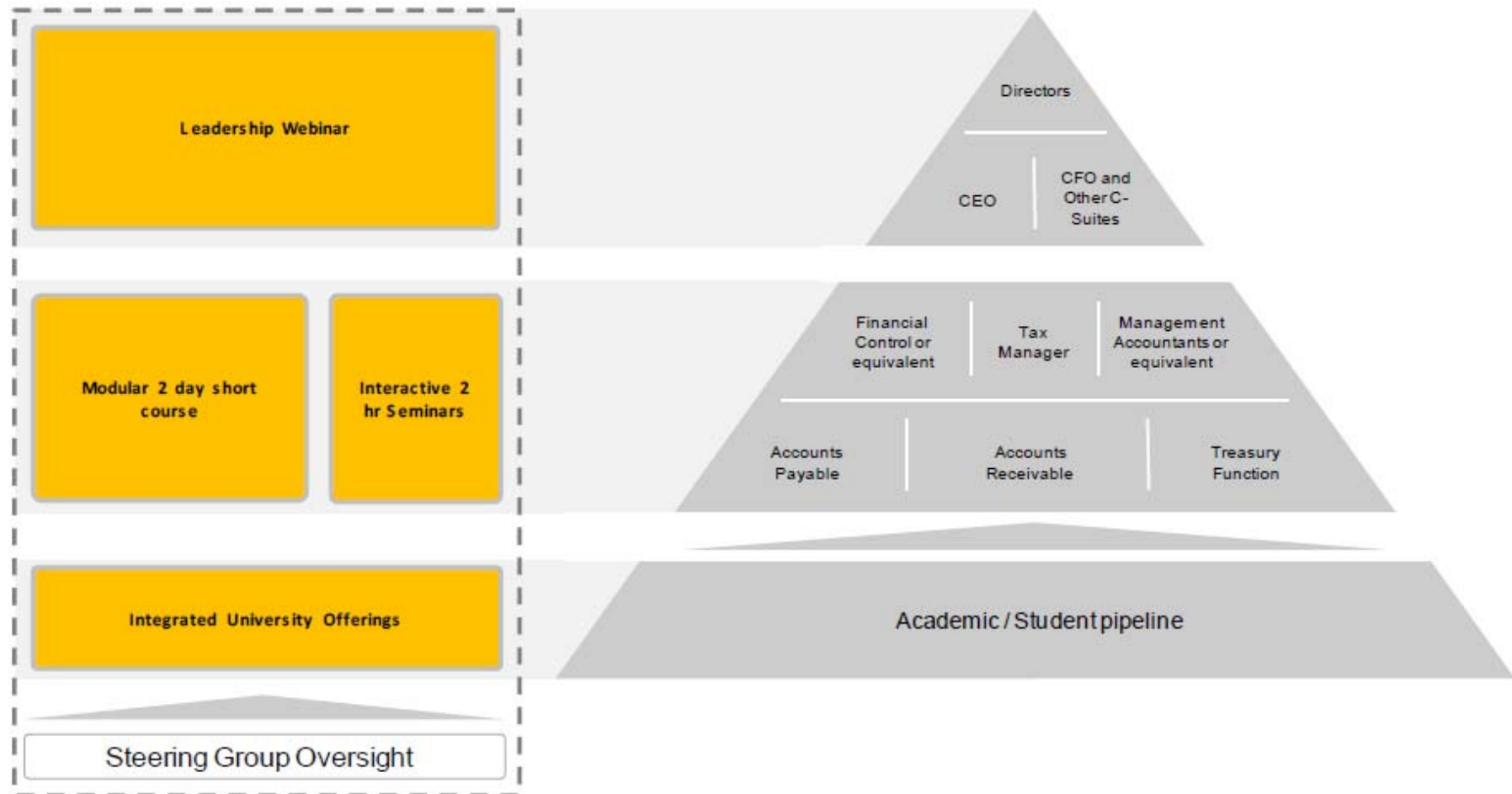


A comprehensive approach



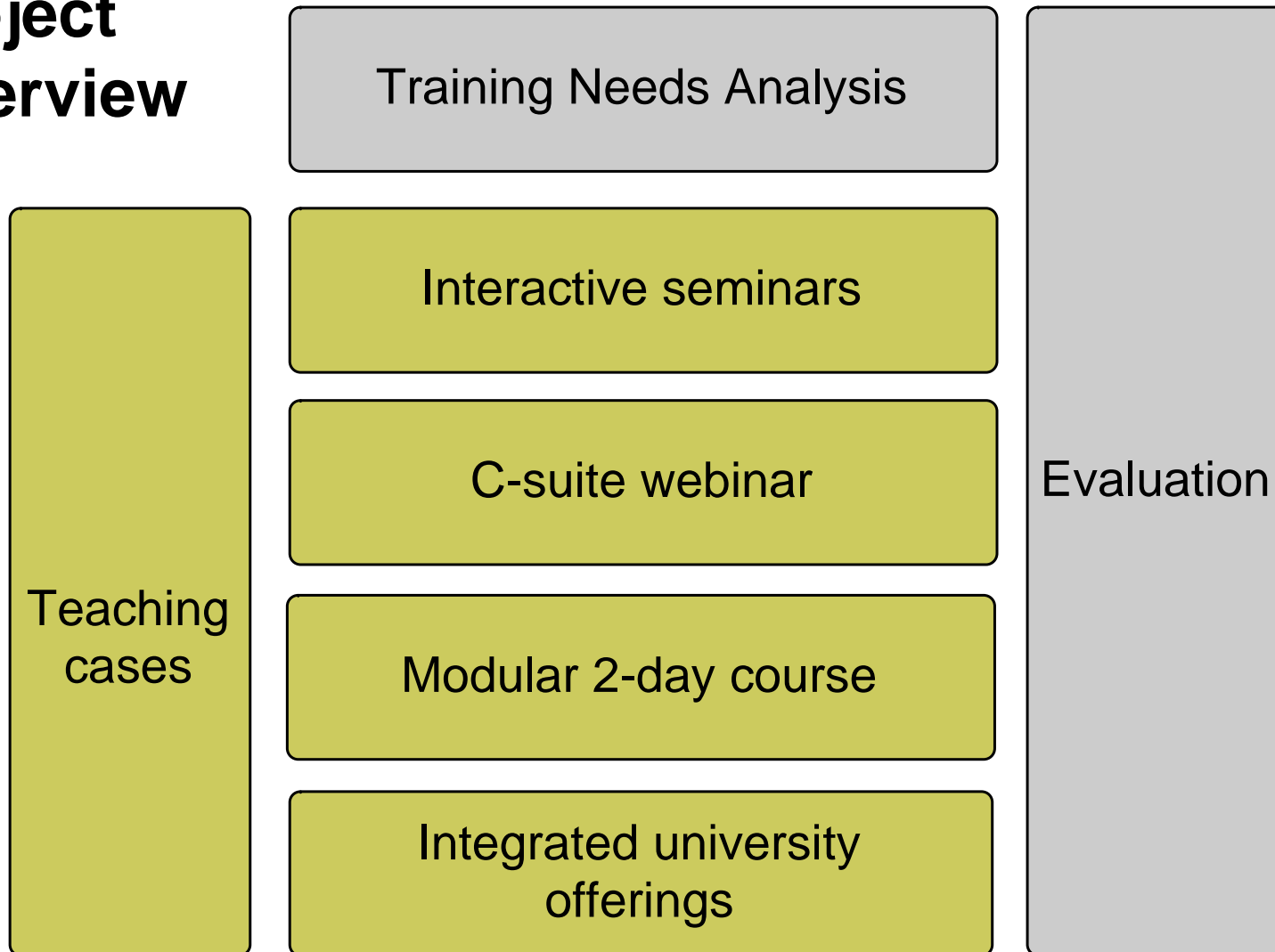


Offerings matched to target audiences



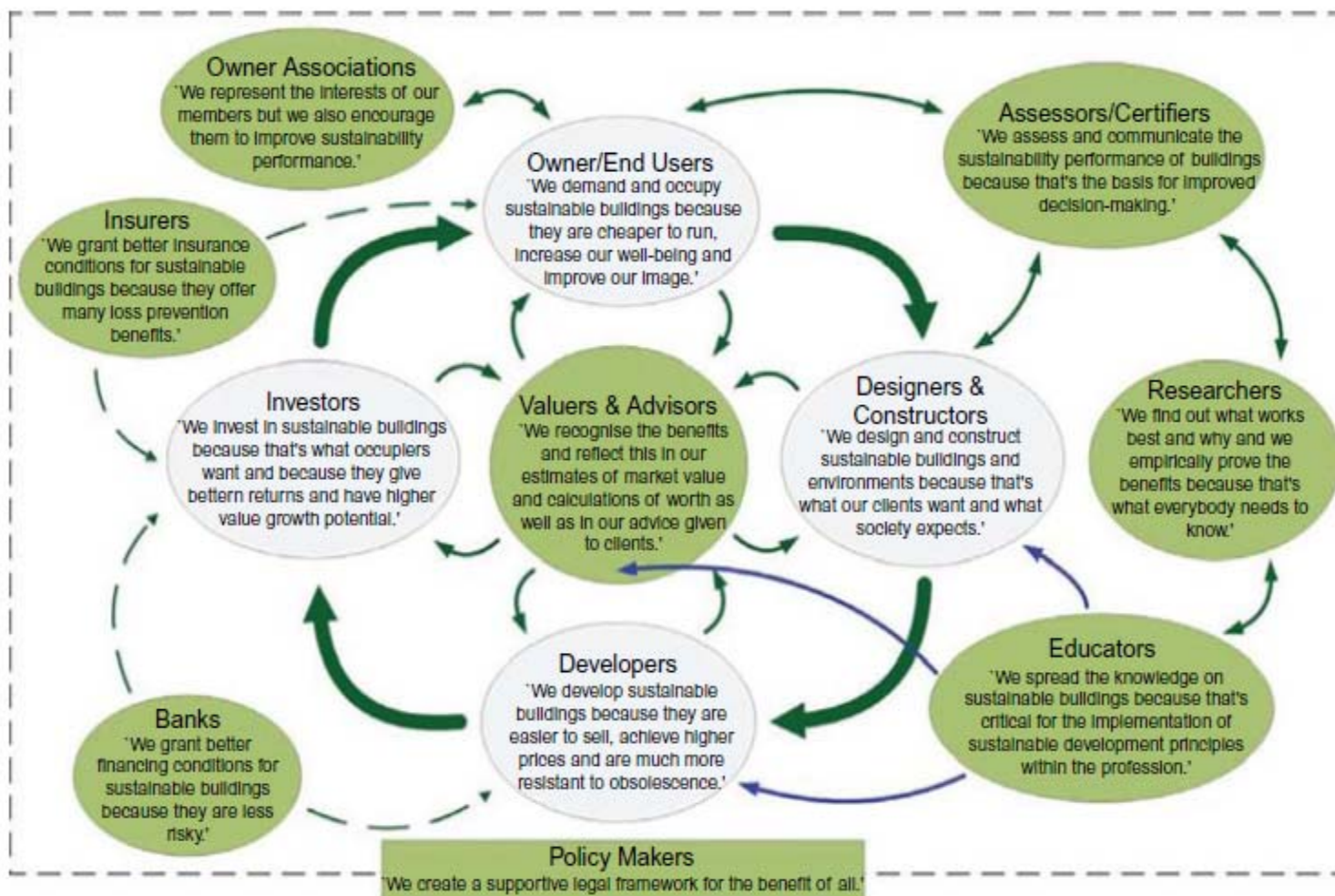


Project Overview





A social network perspective



Lorenz 2008,
Warren-Myers
2012



Training Needs Analysis



Training Needs Analysis – Key Themes

- > Organisational response to energy efficiency needs to be cross-disciplinary
 - Accountant and manager as business partner
- > Confirmed that there is interest and demand for energy efficiency training and materials for accountants and business managers
- > Soft skills as well as analytical/ technical skills are important



Training Needs Analysis – Key Themes (cont.)

- > The rationale for action/ importance of energy efficiency is a fundamental starting point
- > Application/ approach will vary across:
 - Public and private sector
 - Type of industry sector
 - Firm strategy
 - Firm culture



Training Needs Analysis - Skills

Soft Skills

Energy Efficiency Fundamentals

Developing the business case for an Energy Efficiency project

Extending accounting tools to an Energy Efficiency context

Modifying information systems to support Energy Efficiency

Budgeting & Finance



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Education and Training Pilot Program and Materials Development



Two-hour interactive seminars

- > Aim: Short package of material to be explored interactively.
- > Applications:
 - Vocational Education and Training Teachers
 - In-house at the Westpac Group
 - Lunch seminar with the CPA Australia – Corporate Social Responsibility discussion forum
 - Evening presentation with members of the Chartered Institute of Management Accountants



C-suite webinar

- > Aim: One hour webinar to enhance accessibility for Chief Financial Officers and other senior managers
- > Content:
 - Focus on business drivers
 - Considerations regarding the firm-level business case for action on energy efficiency
 - Draw on successful cases



Modular 2-day Course

- > Aim: Comprehensive training for mid-level managers and accountants
- > Content:
 - Introduction to energy
 - Accounting and reporting considerations
 - Incorporating non-financial data into organisational decision making
 - Funding mechanisms for energy efficiency
 - Evaluating energy efficiency opportunities
 - Communication and effective presentations
 - Presenting the business case



Integrated University Offerings

- > Aim: To integrate energy efficiency teaching into existing undergraduate and postgraduate accounting courses
- > Undergraduate courses:
 - 22107 Accounting for Business Decisions
 - 22321 Cost Management Systems
- > Postgraduate courses:
 - 22753 Cost Management and Analysis
 - 21832 Managing for Sustainability



Evaluation

- > Includes:
 - Data from assignments and post training/education evaluation
 - Focus groups with participants 6-8 months after training to identify actions being taken
 - Actions taken by partners and the project steering committee to promote the role of energy efficiency within accounting and management



Some reflections ...

- > Collaboration throughout the process is essential to achieve longer term integration
 - Consultation throughout the process
 - Provide sufficient resources and support
 - Acknowledge effort and achievement
- > Future challenge is to bring engineers and accountants together to learn from each other and share perspectives on effective change for energy efficiency



Further information ...

- > Please use and modify our material – but acknowledge our work and let us know how you go!

<http://www.business.uts.edu.au/energyefficiency/>

- > And please don't hesitate to contact us if we can help:
 - Patrick Crittenden, Project Manager, patrick@sbusiness.com.au
 - Professor Suzanne Benn, Professor of Sustainable Enterprise, UTS Business School suzanne.benn@uts.edu.au
 - Dr Paul Brown, UTS School of Accounting, Paul.J.Brown@uts.edu.au