INTEGRATING ENERGY EFFICIENCY INTO CORE BUSINESS PRACTICES –

AN INSTITUTIONAL WORK PERSPECTIVE ON THE IMPLEMENTATION OF ENERGY MANAGEMENT SYSTEMS

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Outline

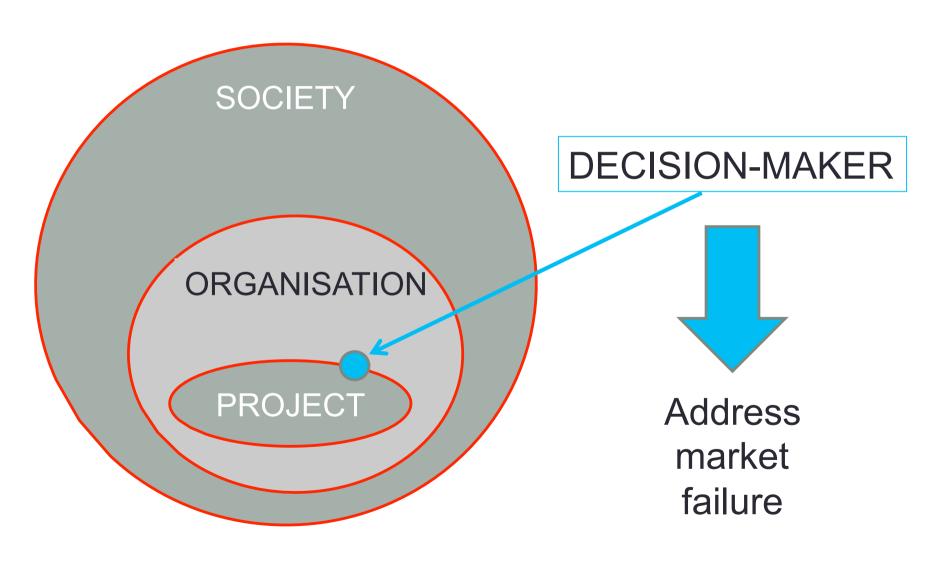
- A bit of theory
- My approach to the research
- Actions practitioners are taking to integrate energy efficiency into their core business practices
- Considerations for practitioners, policy makers and educators
- Practice areas that warrant further attention

A bit of theory ...

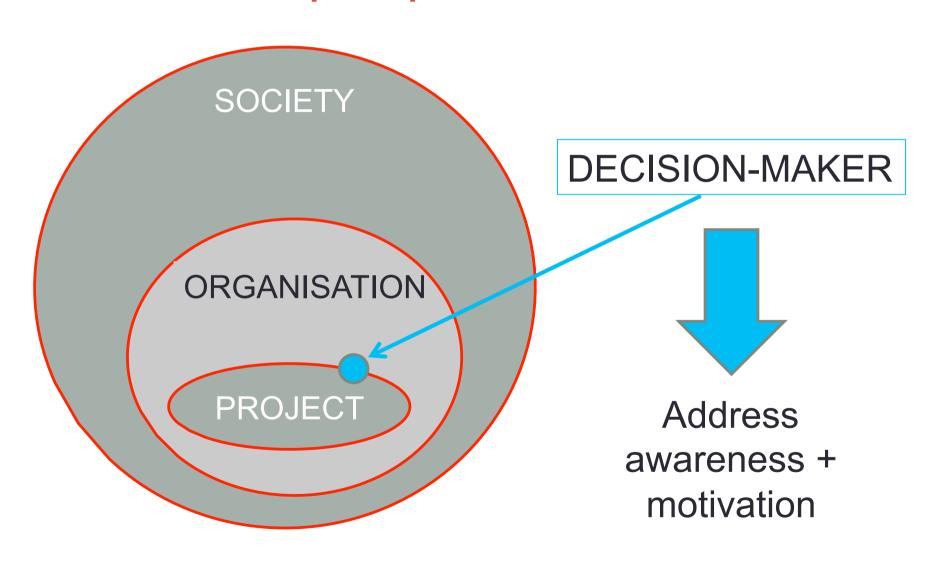
Adopting a multilevel view ... 3 levels of change



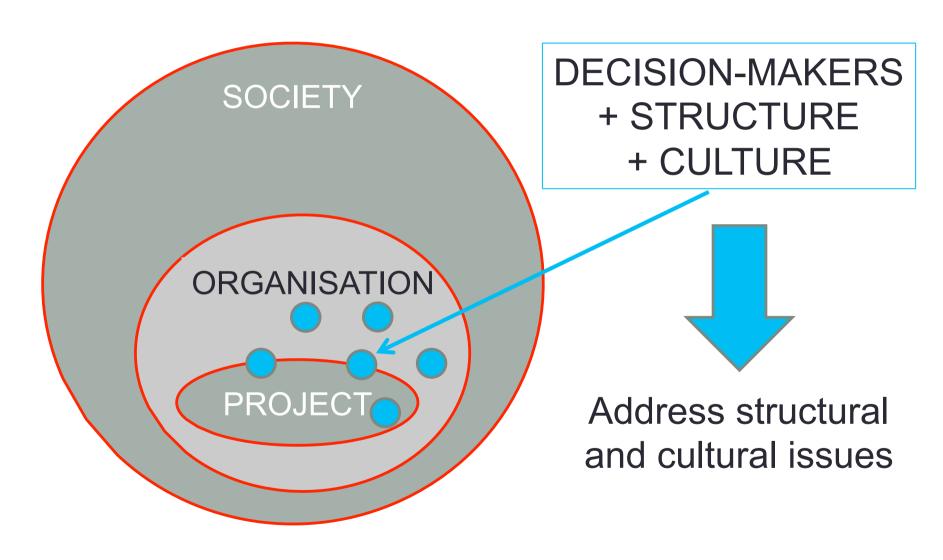
Conventional economic perspective



Behavioural perspective

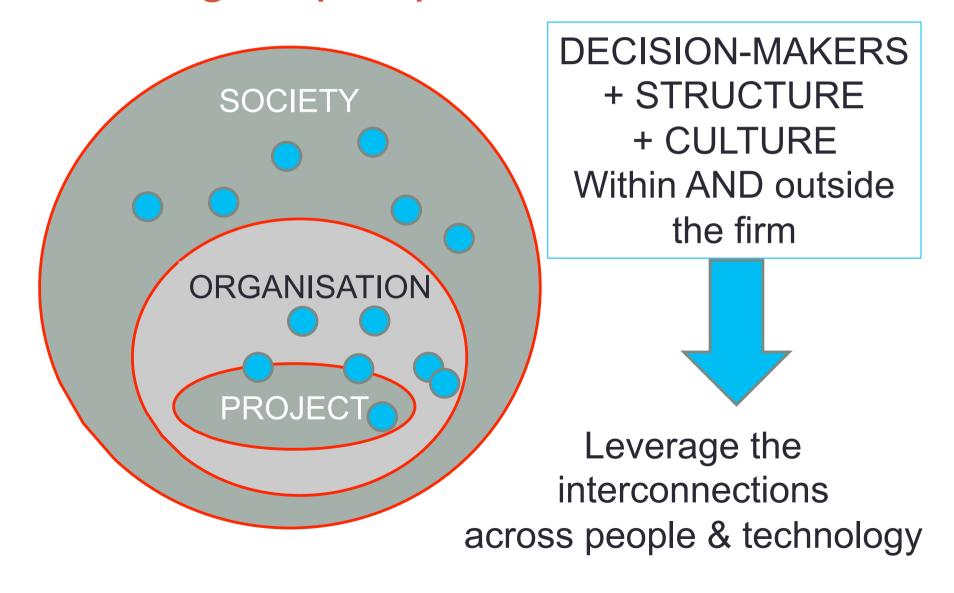


Organisational perspective



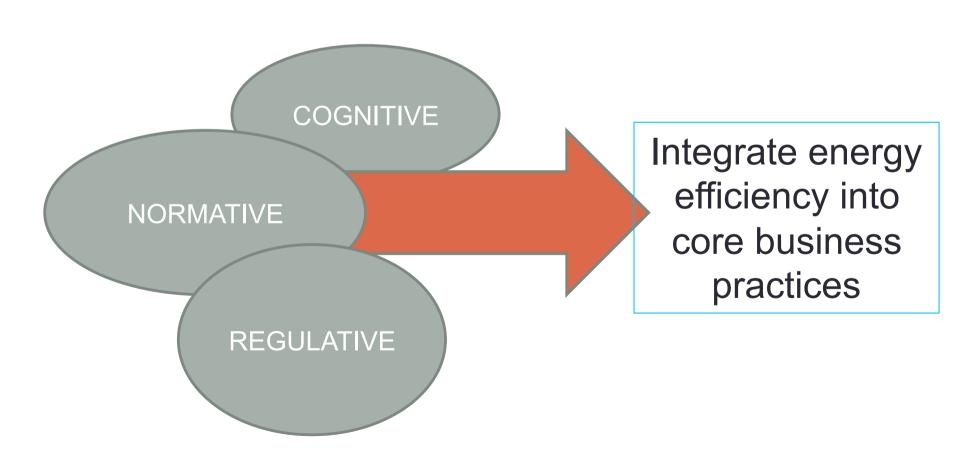


Sociological perspective



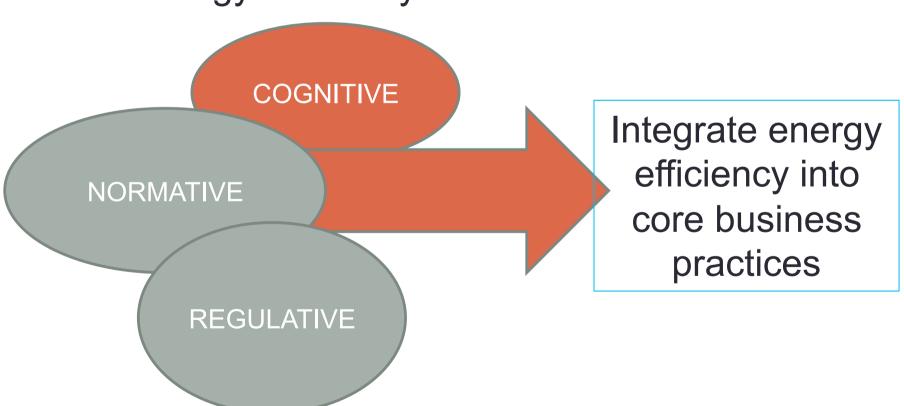
Institutional theory as an analytical framework

Three mechanisms for change



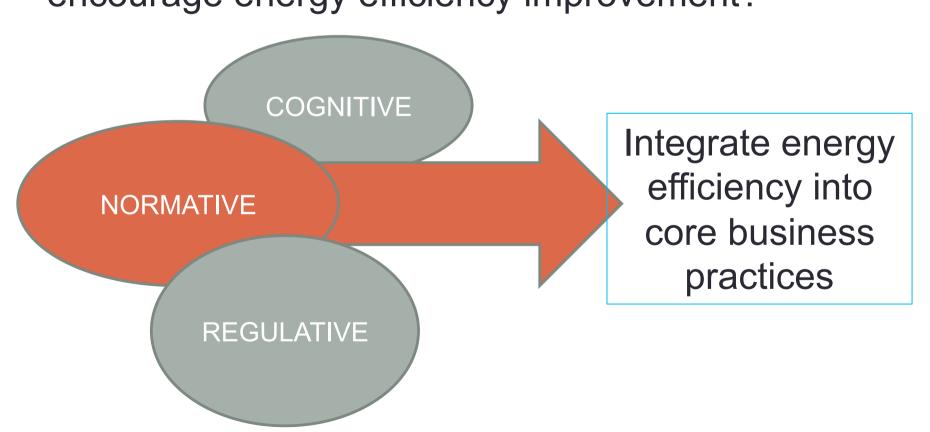
Cognitive

How do practitioners influence underlying beliefs and assumptions about energy efficiency?



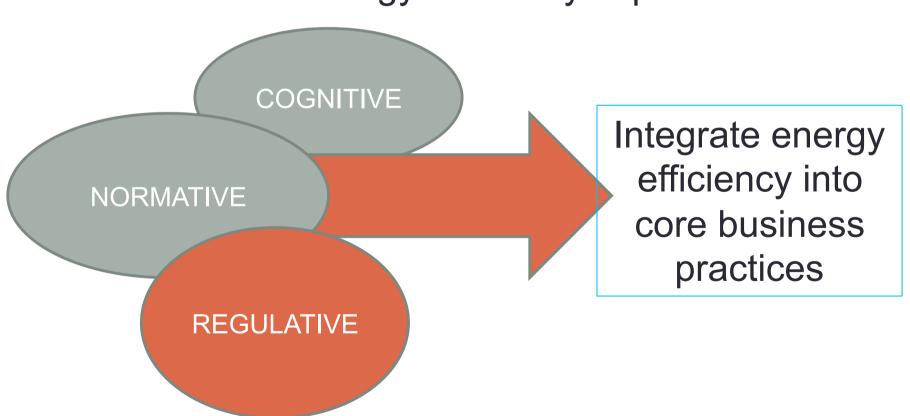
Normative

How do practitioners develop social perceptions and networks that encourage energy efficiency improvement?



Regulative

How do practitioners establish formal incentives and penalties associated with energy efficiency improvement?



My approach to the research...

Energy Efficiency Opportunities workshops

- Annual workshop series 10 days of workshops across 5 cities
- Attended by around 600 people
- Includes presentations from companies involved in the Australian Energy Efficiency Opportunities program

Data and analysis

- 20 x 10-15 minutes presentations and question and answer sessions that practitioners were involved in
- Institutional theory framework to guide analysis
- NVivo qualitative analysis software to support analysis

Actions practitioners are taking to integrate energy efficiency into their core business practices ...

Cognitive institutional practices

Practitioners influence underlying beliefs and assumptions about energy efficiency by:

- Improving the infrastructure that supports data collection, analysis and reporting
- Conducting regular senior management update briefings
- Incorporating co-benefits into the business case proposals for energy efficiency projects
- Integrating energy efficiency into organisational training programs.

Normative institutional practices

Practitioners develop social perceptions and networks that encourage energy efficiency improvement by:

- Incorporating energy efficiency responsibilities into formal role descriptions
- Establishing and maintaining cross-functional energy efficiency teams
- Designing and implementing organisation-wide communication and change management strategies
- Integrating energy efficiency into written operational procedures

Regulative institutional practices

Practitioners establish formal incentives and penalties associated with energy efficiency improvement by:

- Integrating energy efficiency criteria within performance management systems
- Establishing systems and procedures to support external reporting and other compliance requirements

Considerations for practitioners, policy makers and educators ...

Considerations for practitioners

Analyse the social system within and outside the organisation.

Consider:

- What are we doing now?
- What works and what doesn't?
- What are others doing that we can learn from?
- Where should we focus our attention?
- Why?
- When?

Considerations for policy makers

- How can you design-in or retrofit mechanisms that supports a collaborative learning environment across industry participants and with government?
- What types of 'peer-to-peer' learning activities might you support?

Considerations for educators

- Develop training and education in 'change management' skills. May involve the development of new programs and/ or be incorporated into existing programs
- Encourage and support training for non-engineering professions. Example: University of Technology Sydney and Ernst & Young Leadership & Change for Energy Efficiency in Accounting & Management project

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

The Energy Efficiency Exchange



A joint initiative of Australian, State and Territory Governments



/ Energy Management / The Business Case and Beyond

The Business Case and Beyond

- Planning your business case a summary
- Developing your business case six strategies
- Writing your business case a summary
- Influencing company culture, systems and processes
- Industry case studies
- Checklists & Tools

Practice areas that warrant further attention

- Evaluating the value of:
 - constructive industry/ government relationships
 - peer-to-peer networks and learning
- Critically evaluating the effectiveness of the consultant to client relationship
- Challenging our own assumptions it's a continuous improvement process! How can we improve our effectiveness as change agents for energy efficiency.

Thanks!

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