Anticipating climate change risks, costs and opportunities for infrastructure

A conference for asset owners and investors

21 June 2007

Graduate House, University of Melbourne

Themes

- Identifying the climate change risks for infrastructure – regulatory, physical, social and environmental
- Integrating climate change impacts into risk management and other strategic planning activities
- Climate change risk assessments for infrastructure
- Identifying opportunities

Supporting Organisations

Program Chair: Professor Priyan Mendis, University of Melbourne

RNSA Research Network Secure Australia

Australian Government

The RNSA is an Australian Government Initiative

Information
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Tel: 02 6161 5143
events@homelandsecurity.org.au
www.homelandsecurity.org.au/climate

ATSE

Australian Academy of Technological Sciences and Engineering

Who should attend

- infrastrcuture investors
- infrastrcuture owners
- facility owners
- local governments
- fund managers
- infrastrcuture shareholders
- property owners
- infrastrcuture regulators
- infrastrcuture users
- infrastrcuture stakeholders
- environmental businesses

Why you should attend

Climate change is a growing significant risk facing all infrastructure owners and operators. As infrastructure, such as commercial buildings, local government infrastructure and electricity networks, is generally expected to last between 20 and 100 years, it is becoming imperative that climate change risks are factored into decisions today.

Not doing so may lead to demands for change by investors, consumers, insurers and regulatory agencies.

Institutional investors, shareholders and asset owners need to identify and quantify the climate change risks facing assets they own or invest in. This analysis needs to be conducted in a rigorous fashion to ensure that all climate change risk factors are identified and quantified.

This conference is designed to provide key knowledge and best practice on the assessment of climate change risks for organisations and quantifying their impact on the asset value.

Attending the conference will provide delegates with information essential to systematically analysing climate change risks so as to enable them to make informed decisions on retention, divestment or other strategies.

Supporting organisations

RNSA Research Network Secure Australia

Australian Government

The RNSA is an Australian Government Initiative

Research Network for a Secure Australia

The Research Network for a Secure Australia (RNSA) is a multi-disciplinary collaboration established to strengthen Australia's research capacity for protecting critical infrastructure from natural or human caused disasters.

The RNSA facilitates a knowledge-sharing network for research organisations, government and the private sector to develop research tools and methods to mitigate emerging safety and security issues relating to infrastructure.
www.secureaustralia.org

ATSE

Australian Academy of Technological Sciences and Engineering

Australian Academy of Technological Sciences and Engineering

The Australian Academy of Technological Sciences and Engineering (ATSE) is an independent, non-government organisation dedicated to the promotion in Australia of scientific and engineering knowledge to practical purposes.

The Academy is an association of professional men and women who are elected as Fellows of the Academy on the basis of their achievement in the application of science, technology and engineering to Australian life.
www.atse.org.au

PROGRAM

9:00	**Welcome** Prof Priyan Mendis, Convener, Research Network for a Secure Australia
9:10	**Opening Address: The political dimensions of climate change and infrastructure**
9:25	**Climate change and its relative importance to other infrastructure risks**
10:00	**Identifying the impacts of climate change on infrastructure** Identification of likely climatic changes relevant to infrastructure planning, such as: • increased temperatures • increased sea level • changes to rainfall and water availability The likely impacts of climate change on the following sectors: • Water • Power • Telecommunications • Transport • Buildings Paul Holper, CSIRO Manager of the Australian Climate Change Science Program and co-author *Infrastructure and Climate Change: Risk Assessment for Victoria* (May 2007), the first Australian study examining the potential risks to a range of infrastructure types.
10:40	Break
11:00	**Assessing climate change risks – A finance sector perspective** • Physical and regulatory risks • Dealing with regulatory uncertainty • Differences in markets, eg European versus Australia • The need for climate change risk disclosure - Expectations in Australia and International Dr Ian Woods, Sustainable Alpha Funds Team, AMP Capital Investors. Ian is responsible for environmental, social, workplace and governance research of Australian listed companies and investigates the relationship between sustainability and corporate social responsibility (CSR) and financial performance. Ian's research includes looking at Australian corporate governance and climate change issues.
11:45	**Undertaking climate change impact and risk management analysis** • Climate change risk management framework • Conducting an assessment • Addressing uncertainty and sensitivity • Integration with existing risk management practices • Application of analysis for impacts on the Western Port region and in the water sector Dr John Marsden and Peter Kinrade, Marsden Jacob Associates, contributing authors of the Greenhouse Office's *Climate Change Impacts & Risk Management - A Guide for Business and Government*
12:30	Lunch
1:30	**Realities of risk assessment for climate change** • State of play for the assessment and management of climate change risks to Australia's major physical infrastructure • Ways to identify physical infrastructure networks which are particularly sensitive to climate change • Ways to improve the nation's capacity to plan for and manage the impact of natural hazards on critical areas of infrastructure Prof. Len Stevens, Department of Civil and Environmental Engineering, University of Melbourne and Dr Vaughan Beck, FTSE, FE Aust, Technical Director, Australian Academy of Technological Sciences and Engineering

PROGRAM

2:05	**Case study: Lessons learned from the climate change risk assessment on Victoria's infrastructure** • Lessons learned from undertaking the risk assessment on climate change impact on Victoria's infrastructure commissioned by Victoria's Department of Sustainability and Environment, together with the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO) and Phillips Fox. • From risk to resilience in taking account climate change risk for individual infrastructure elements. • Other lessons learned from the Climate Change Assessment of Barwon Heads Bridge Development and also the Climate Change and Energy Action Plan for Brisbane City Council. Michael Nolan, Principal Consultant - Sustainability, Maunsell Australia Paul Holper, Manager of CSIRO Climate Change Science Program and co-author *Infrastructure and Climate Change Risk Assessment for Victoria* (May 2007).
2:40	**Developments in contracts, compensation and development approvals** • Contract clauses and variations due to climate change • Compensation for loss of value due to climate change • Changes in development approvals due to climate change • Implications for investors, councils and the community Louise Hicks, Partner, DLA Phillips Fox
3:20	Break
3:40	**Every Risk is an Opportunity** • Stroke of the pen and other commercial risks • The evolving need for new products under climate change • Leveraging assets and infrastructure for commercial opportunity • Impacts of climate change on property markets • Impacts of climate change on insurance • Implications for investors Dr Karl Mallon, Scientific and Technical Director, Climate Risk Pty Ltd. Climate Risk provides specialist climate change risk analysis for government and the private sector.
4:15	**Panel on the demand for climate change risks to be factored into infrastructure decisions** Views and advocacy from: • institutional investors and shareholders groups • financial media • interest groups
4:50	Close
5:00	Networking drinks

CONTACT THE ORGANISERS

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Information and registration	Eleonor Geoghegan Australian Homeland Security Research Centre Ph: 02 6161 5143 Email: events@homelandsecurity.org.au
Conference website	www.homelandsecurity.org.au/climate

Location

Graduate House
University of Melbourne
220 Leicester Street, Cartlon, VIC 3053
Tel: 03 9347 3428
Map: www.graduatehouse.com.au

Registration fee

$630 Standard

$510 Members of:

- Research Network for a Secure Australia
- Australian Academy of Technological Sciences and Engineering
- Australian Homeland Security Research Centre

$150 Full time student and NGOs

Registration Form Fax: 02 6161 5144

Factoring in climate change risks for infrastructure, 21 June 2007, University of Melbourne
Register online at www.homelandsecurity.org.au/climate

Contact details

Title _____

Surname _____

Given Name _____

Preferred name on name badge _____

Organisation _____

Postal Address _____

City _____ State _____ Postcode _____

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Fax (Business) _____

Telephone (Mob) _____

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Special Requirements

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Registration Fees (all fees inclusive of GST)

Registration type	Fee
Standard	$630
Members of: • Research Network for a Secure Australia • Australian Academy of Technological Sciences and Engineering • Australian Homeland Security Research Centre	$510
Full time student and NGOs	$150

Cancellation policy
If you cancel your registration before 9 June 2007, you will receive a refund of your registration fee minus a $150 administration fee. If you cancel your registration after 10 June 2007, you will not be eligible for a refund, however a substitute delegate may take your place.

Conditions of acceptance
The listed speakers, topics, and times were correct at the time of printing but due to unforeseen circumstances, the organisers reserve the right to delete or alter items in the program.

Entry to the event
Entry to the event is at the discretion of the organisers, and only appropriate personnel will be admitted to the events.

Tax Invoice
A tax invoice will be sent on registration stating the amount due or paid. EFT details are on the invoice.

Registration information

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Online registration

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