

LEARNING TO ADAPT

CLIMATE CHANGE ADAPTATION TRAINING

A partnership between EIANZ NSW Division,
the EIANZ Special Interest Section on Climate Change
& the NSW Office of Environment and Heritage



Environment
Institute of
Australia and
New Zealand



Office of
Environment
& Heritage



THREE MODULES

1. **Applying the science of climate change impacts**
12 March 2014
2. **Assessing and managing climate change risks**
14 May 2014
3. **Applying and communicating climate change
adaptation policy and standards**
11 June 2014

Supported by



INSTITUTE OF
ENVIRONMENTAL
STUDIES

ISCA Infrastructure
Sustainability
Council of Austr



FOREWORD

EIANZ NSW Division and Special Interest Section on Climate Change, in partnership with the NSW Office of Environment and Heritage, is proud to offer an innovative training program designed to upskill environment and sustainability professionals on climate change adaptation. Supported by the Institute of Environmental Studies, UNSW, Infrastructure Sustainability Council Australia and the Green Building Council of Australia, this course will develop a very high level of competence in adaptation to climate change, with a particular focus on infrastructure.

The course has been designed by experienced education for sustainability practitioners to fully engage a small group of participants using:

- A collaborative learning platform, stocked with resources
- 3 full day intensives featuring guest speakers with case studies and recognised climate science experts.

Over the course of the program participants will work together to implement adaption programs in real organisations.

The benefits for participants, and their employers, are clear. This is unique opportunity to build a substantial capacity to respond to climate change.



Sarah Campbell
President EIANZ NSW Division

Tom Davies
Chair EIANZ Special Interest Section
on Climate Change



RECOGNITION

Completion of the 3 modules in this course will be recognised:

- By 150 CDP points under the EIANZ's CEnvP program (50 points per module)
- As a Master Class in Climate Change Adaptation by ISCA
- By 18 GBCA CPD points: 12 Sustainable Development points and 6 Communities Stream Relevant points (or for a one day module: 4 Sustainable Development points and 2 Communities Stream Relevant points)
- A Certificate of Attendance issued by the Institute of Environmental Studies at UNSW



PRICING

This training program is structured into 3 modules. Although the course has been designed as an integrated whole, participants are welcome to complete any of the modules as stand alone.

Membership	Cost per module	Cost for the course (3 modules)
EIANZ member	\$300	\$800
GBCA member	\$440	\$1200
ISCA member	\$440	\$1200
Non-member	\$550	\$1500



Enrolments for module 1 close 21 February 2014
Enrolments and payments can be made online at www.eianz.org/eventsplus/event/LTA-module-1

If you have any questions contact us at nsw.events@eianz.org

PROGRAM

12 March 2014

Module 1

APPLYING THE SCIENCE OF CLIMATE CHANGE IMPACTS

At end of this module you will be able to:

- Understand the relevance of climate science to infrastructure decision making by analysing an organisation's interactions with the environment
- Determine the significance of projected current climate impacts relevant to infrastructure and express this in a report
- Contribute to an appropriate response for each interaction by qualifying the accuracy of climate projections and expressing this in business documents

Dr Fabian Sack – Director, Sustainably Pty Ltd Course Facilitator	Pre-readings & online discussion
	Introduction to Module 1
Kate Harris – CEO, Centre for Sustainability Leadership	Leadership in climate change adaptation
Chris Lee – Senior Team Leader Impacts and Adaptation, Regional Operations Group, Office of Environment and Heritage	Considerations in applying climate science to infrastructure decisions
Hamish Clarke – Senior Climate & Atmospheric Scientist, Office of Environment and Heritage	State of the art in climate change modelling
Ryan Bennett – Senior Environmental Planner Sydney Ports	Incorporating climate change science into planning at Sydney Ports
Stuart Hodgson – Principal Manager Sustainability North West Rail Link Transport for NSW	Incorporating climate change science into contracts at North West Rail
Project work	Develop a report on climate change science relevant to an organisations' Business Plan

14 May 2014

Module 2

ASSESSING AND MANAGING CLIMATE CHANGE RISKS

At the end of this module you will be able to:

- Assess risks resulting from climate change and develop a prioritised management response
- Lead periodic review of climate change risks and management response and communicate as appropriate
- Facilitate implementation of prioritised management response to climate change risks

Dr Fabian Sack – Director, Sustainably Pty Ltd Course Facilitator	Pre-readings & online discussion
	Introduction to Module 2
Chris Lee – Senior Team Leader Impacts and Adaptation, Regional Operations Group, Office of Environment and Heritage	Considering climate change impacts in risk assessment
Ken Lundy – Principal Consultant, Edge Environment	Case studies on applying climate change risk management according to AS 5334-2013.
Donna Lorenz – Associate Director – Sustainability & Climate Change AECOM	
Rick Walters – Technical Director ISCA	ISCA Rating Tool and Climate Change Adaptation Guidelines as management tools in responding to climate risk
Associate Professor Ron Cox – Civil Engineering UNSW	Lessons from the NCCOE process – 10 years experience in guidelines on climate change adaptation
Project work	Conduct a climate change impacts risk workshop and develop a management response plan using relevant industry standards and tools.

11 June 2014

Module 3

APPLYING AND COMMUNICATING CLIMATE CHANGE ADAPTATION POLICY AND STANDARDS

At end of this module you will be able to:

- Develop strategy in response to emerging government climate change adaptation policy, industry standards and international best practice
- Communicate climate change adaptation policy and industry compliance requirements to management
- Communicate possible organisational responses to climate change impacts to relevant staff and stakeholders

Dr Fabian Sack – Director, Sustainably Pty Ltd Course Facilitator	Pre-readings & online discussion
	Introduction to Module 3
Chris Lee – Senior Team Leader Impacts and Adaptation, Regional Operations Group, Office of Environment and Heritage	Policy responses to climate change in Australia
Jorge Chapa – Executive Director Green Star Technical Development and Operations	Green Star Communities rating tool
Adam Lovell – Executive Director of Water Services Association of Australia	The water industry AdaptWater tool
Prof Peter Abelson – Principal Advisor Economics in NSW Treasury	Climate Change adaptation in economic appraisal
John Connor – CEO Climate Institute	Communicating climate risk in business organisations and motivating action
Project work	Convene an internal gap-analysis workshop and prepare a management presentation on the results flagging the drivers and available management tools