



Australian Government
Department of the Environment



Environment Institute
of Australia and
New Zealand Inc.

LEARNING TO ADAPT

NATIONAL CLIMATE CHANGE ADAPTATION
PROFESSIONAL DEVELOPMENT PROGRAM



CANBERRA 2016

SUPPORTED BY

ISCA Infrastructure
Sustainability
Council of Australia

 green building council australia

CURF
CANBERRA URBAN AND REGIONAL FUTURES
AT THE UNIVERSITY OF CANBERRA

University House, The Australian National University, Canberra



LEARNING TO ADAPT: CLIMATE CHANGE ADAPTATION PROFESSIONAL DEVELOPMENT

CANBERRA 2016

As climate change continues to impact Australia's communities, buildings, infrastructure and ecosystems, organisations increasingly need to be on the front foot in incorporating climate variability into their policies and programs. Learning to Adapt is a training program designed to up-skill professionals on climate change adaptation planning and communication, and is run over 3 separate days of intensive collaborative learning. The program builds the necessary skills for climate change adaptation projects, including applying climate change science, assessing and managing climate change risks and implementing and communicating adaptation actions.

The course has been designed by experienced sustainability educators to engage participants in case studies presented by recognised expert guest speakers in climate change science and adaptation. Participants apply their learning by working together to deliver group projects.

Date	Module	Venue	Registration	Start/Finish
27 April 2016	<i>Applying the science of climate change impacts</i>	Meetings Room University House, ANU	8.30am onwards	9am 5pm
18 May 2016	<i>Assessing and managing climate change risks</i>	Scarth Room University House, ANU	8.30am onwards	9am 5pm
15 June 2016	<i>Applying and communicating climate change adaptation action</i>	Meetings Room University House, ANU	8.30am onwards	9am 5pm



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LEARNING TO ADAPT PROGRAMME

CANBERRA 2016

27 APRIL 2016 – MODULE 1

APPLYING THE SCIENCE OF CLIMATE CHANGE IMPACTS

At end of Module One you will be able to:

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

Mark Williamson - President, EIANZ ACT Division

Welcome

Group work on leadership in climate change adaption.

Katie Eberle - Director, Adaptation & Climate Science Policy, Office of Climate Change & Renewables Innovation, Department of the Environment

Why is Learning to Adapt relevant to the work of state and federal governments?

Associate Professor Jamie Pittock - Fenner School of Environment and Society, The Australian National University

Back to the basics – what are climate change impacts, vulnerability, adaptive capacity and risks?

Kevin Hennessy - Research Group Leader, Climate Variability, Extreme Weather and Adaptation Group, CSIRO Oceans and Atmosphere Flagship

Understanding how to apply the latest climate change science and climate models.

Small group exercise on using climate models.

Commander Steve Cole - Navy Environment Manager, Royal Australian Navy

Case study: Considering climate risks to Australian Navy Operations.

Bronwen Butterfield - Manager, Environment and Sustainability, Business Services, ICON Water

Case study: Using climate change projections for securing ACT water resources.

Sean Rooney - Executive Director, Sustainability and Climate Change Division, Environment and Planning Directorate, ACT Government

Case study: Adapting to climate change in the ACT.

Setting up group work based projects.

18 MAY 2016 – MODULE 2**ASSESSING AND MANAGING CLIMATE CHANGE RISKS**

At the end of Module Two you will be able to:

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

Dr Mark Stafford Smith - Chief Coordinating Scientist - Adaptation, CSIRO

Understanding how to address climate change adaptation in planning processes.

Ken Lundy - Principal Consultant, Edge Environment

Introduction to climate change risk assessment.

Simulated climate risk assessment workshop.

Jessica Cairns - Case Manager, NSW, QLD, WA, NZ, Infrastructure Sustainability Council of Australia

Case study: Considering climate change adaptation in the ISCA Rating Tool.

Paulo Bevilacqua - General Manager, Sustainability, Frasers Property Australia

Case study: Considering climate change adaptation in the GBCA Green Star Communities Tool.

Jane Inglis - Policy Manager, Sustainability and Systems, Infrastructure Services, Transport for NSW

Case study: Achieving more resilient transport infrastructure.

Case study: Take up of the ACEL Climate Adaptation Manual for Local Government.

Small group exercise applying the ISCA Rating Tool.

Progressing the group work based project.

15 JUNE 2016 – MODULE 3**IMPLEMENTING AND COMMUNICATING CLIMATE CHANGE ADAPTATION ACTION**

At the end of Module Three you will be able to:

- Develop strategy in response to emerging 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

Group presentations on work based projects.

Karl Sullivan - General Manager, Policy Risk and Disaster, Insurance Council of Australia

The Business case for climate change adaptation: Pricing risk.

Emma Herd - CEO, Investor Group on Climate

The Business case for climate change adaptation: Valuing risk mitigation.

Tom Davies - Founding Director and Chairman, Edge Environment

Implementing and communicating adaptation: The Resilience Program.

Maddalena Gabrielli - Sustainability Engineer, Brisbane Airport Corporation Pty Ltd

Mitigating climate risks in commercial assets at Brisbane Airport.

John Cook - Climate Communication Fellow, Global Change Institute, University of Queensland

Making sense of climate denialists.

Sharon Pope - Manager, Integrated Planning, Lake Macquarie City Council

Preparing a community for sea level rise.

Dr Rhondra Dickson - Deputy Secretary, Office of Climate Change and Renewables Innovation, Department of the Environment

Climate change adaptation in the Australian Public Service.

John Connor - CEO, The Climate Institute

Advocacy on climate change adaptation, the state of play.

Small group exercise on commitment to action.

Tayanah O'Donnell - Research Fellow, Canberra Urban and Regional Futures, University of Canberra

Recognition of completion.



ABOUT OUR PARTNERS



Environment Institute of Australia and New Zealand (EIANZ)

The Environment Institute is a leading professional body in Australia and New Zealand for environmental practitioners, and promotes independent and interdisciplinary discourse on environmental issues. On all issues and all projects the Institute advocates best available environmental practices to be delivered by competent and ethical environmental practitioners.

The Institute was formed in 1987 to meet the needs of environmental practitioners. It is a non-profit, politically independent professional association. The Institute is multi-disciplinary in membership and provides scope and opportunity for professional and academic interchanges across all sectors of the diverse environmental industry.

In 2011 interest from members drove the formation of a Special Interest Section on Climate Change, which has developed an EIANZ Climate Change Action Plan addressing:

- Advocacy
- Accreditation/Certification
- Capacity Building
- Communication, and
- Governance.

EIANZ has been a national leader in providing high quality professional development events on climate change adaptation. Since 2010 EIANZ has orchestrated a series of Learning to Adapt conferences that have attracted strong interest from environmental professionals in Government, local government and the consulting industry. Most recently the Institute has led the development of this national program of professional development delivered in Sydney, Melbourne, Brisbane and now in Canberra.



Australian Government

Department of the Environment

The Department of the Environment

The Department of the Environment's role is to advise on and implement environment policy to support the Australian Government in achieving a healthy environment, strong economy and thriving community now and for the future. The Department has implemented the Australian Government's Plan for a Cleaner Environment, delivering programmes for Clean Land, Clean Air, Clean Water and National Heritage, spanning environmental regulation, programme delivery operations and scientific research.

ABOUT OUR SUPPORTERS



Green Building Council of Australia

Launched in 2002, the Green Building Council of Australia (GBCA) is a national, not-for-profit organisation that is committed to developing a sustainable property industry for Australia by encouraging the adoption of green building practices. It is uniquely supported by both industry and governments across the country.

The Green Building Council's mission is to develop a sustainable property industry for Australia and drive the adoption of green building practices through market-based solutions. Its key objectives are to drive the transition of the Australian property industry towards sustainability by promoting green building programs, technologies, design practices and operations as well as the integration of green building initiatives into mainstream design, construction and operation of buildings.



Infrastructure Sustainability Council of Australia

The Infrastructure Sustainability Council of Australia (ISCA) is a member-based not-for-profit public and private industry council. ISCA is the peak industry body for advancing sustainability outcomes in infrastructure.

ISCA specialise in the facilitation and development of industry led performance based integrated triple-bottom-line governance and reporting frameworks, decision tools and rating tools; generating communities of practise throughout the lifecycle from funding, planning, procurement, design and delivery to operations and maintenance.

The means by which ISCA is advancing sustainability outcomes in infrastructure is through the development and facilitation of the IS rating scheme. IS rating scheme is an industry-compiled voluntary sustainability performance rating scheme evaluating planning, design, construction and operation of all infrastructure asset classes in all sectors linking industry, communities and commerce beyond regulatory standards. Since launching in 2012, over \$50 billion in infrastructure and civil works projects or assets across Australia and New Zealand have either been certified or registered for an IS rating. The IS rating scheme is Australia's only comprehensive rating scheme for evaluating sustainability across design, construction and operation of infrastructure.



Canberra Urban and Regional Futures (CURF), at the University of Canberra

Canberra Urban and Regional Futures (CURF) was established as a joint initiative with the Australian National University's Climate Change Institute and is based at the University of Canberra. CURF had its origins in the realisation that urbanisation, population pressures, the impacts of climate change and an awareness of the environmental and social impacts of urban growth were driving an increasing interest in research for evidence based decision making on cities. The overall objective of our research is to find new pathways and implementation strategies for sustainable futures for cities and regions. CURF provides an international collaborative platform for the creation and dissemination of research and knowledge across four key research themes. These themes are:

- Climate Change and Sustainability
- Health and Wellbeing
- Settlements and Infrastructure
- Green Growth

ABOUT OUR FACILITATORS



Sustainably Pty Ltd

Sustainably works with people who are passionate about acting sustainably, often in collaborative partnerships across sectors. Sustainably are specialists in:

- Vocational education and training (VET) sustainability
- Capacity building and training on climate change adaptation
- Technical analysis for sustainability reporting
- Policy analysis for sustainability strategy.

Sustainably delivers by facilitating stakeholder engagement, strategic leadership, collaborative research and innovative training.



Dr Fabian Sack – Strategic Director, Sustainably Pty Ltd

Fabian has been a thought leader in sustainability for over two decades. He led Sydney Water's sustainability change program for ten years and has since held senior private and public sector roles building capacity in the infrastructure and energy sectors.

He currently sits on the Total Environment Centre (TEC) management committee and on the National Climate Change Adaptation Research Facility (NCCARF) project review committee. Fabian sat for 4 years on the St Vincent's Human Research Ethics Committee (HREC) and for 3 years was secretary to the Sydney Water Business Ethics Committee.

Fabian's doctoral research was in corporate environmental ethics. He is an Honorary Associate of the University of Sydney and he has published research on corporate environmental ethics, skills for sustainability, ecological footprinting and social assessment. He leads a range of vocational and professional courses. He is a Fellow and active member of the Environment Institute of Australia and New Zealand (EIANZ) and is recognised as a Certified Sustainability Professional by the International Society of Sustainability Professionals (ISSP).

Contact Fabian@sustainably.net.au

Web www.sustainably.net.au

Tel 0408 600 015



Judy Turnbull – Program Director, Sustainably Pty Ltd

Judy specialises in delivering innovative and transformational projects. She has two decades experience working with key national and international partners from the NGO, public, private and research sectors. Through her long involvement in developing and delivering skills programs for young people, Judy has evolved a passion for skills and sustainability.

After an early foray into the Japanese education and telecommunications sectors, Judy transitioned to the not-for-profit sector. Judy has designed, managed and delivered a series of projects focusing on young peoples' transitions between the world of work and education. Judy has also conceived, designed and managed the implementation of a series of collaborative partnerships, each resulting in programs that continue to thrive today with a progression of partners and supporters. These are Trade Secrets, the Gen Green research series and Green Team.

Judy has been a Director with Sustainably since 2013, has a Bachelor of Arts (ANU), a Graduate Diploma in Employment Relations (UTS) and a Certificate IV Training and Assessment (Sydney Institute of TAFE).

Contact Judy@sustainably.net.au

Web www.sustainably.net.au

Tel 0408 861 394



ABOUT OUR GUEST SPEAKERS



Mark Williamson, President, EIANZ ACT Division

Mark Williamson leads the Clean Energy Regulator's market entry and entitlements functions across all schemes including the Emissions Reduction Fund and Renewable Energy Target. Mr Williamson joined the Clean Energy Regulator in August 2012, following an extensive career which included senior executive roles in the private sector, state and local government. His previously held positions include a national commercial and technical position in an ASX 200 company and he was Executive Director of the Queensland Environmental Protection Agency, leading that agency's regulatory operations across a diverse range of environmental legislation. Mr Williamson has qualifications in applied science and postgraduate qualifications in management.

Mark Williamson is President of the ACT Division of the EIANZ. He has previously held the positions of Vice President in both the ACT and South East Queensland Divisions as well as the role of Councillor in the governance arrangements of the Institute before the current Board.



Katie Eberle, Director, Adaptation & Climate Science Policy, Office of Climate Change & Renewables Innovation, Department of the Environment

Katie Eberle works for the Office of Climate Change and Renewables Innovation. She has worked in public policy at both the state and federal level in Australia, and has led the Australian Government's climate change adaptation team (currently in the Department of the Environment) for several years. The team has recently taken on responsibility for climate change science policy. Katie has also worked in housing policy, occupational health and safety regulation, and in publishing.



Dr Jamie Pittock, Associate Professor, Fenner School of Environment and Society Director of International Programs, UNESCO Chair in Water Economics and Transboundary Water Governance, The Australian National University

Dr Pittock is Associate Professor in the Fenner School of Environment and Society at The Australian National University. He is also Director of International Programs for the UNESCO Chair in Water Economics and Transboundary Water Governance at ANU. Dr Pittock worked for non-government environmental organisations in Australia and internationally from 1989-2007, including as Director of WWF's Global Freshwater Programme from 2001-2007. His research focuses on better governance of the interlinked issues of water management, energy and food supply, responding to climate change and conserving biological diversity. Dr Pittock directs research programs on irrigation and water management in Africa, and on hydropower, food and water in the Mekong region. He is deputy chair of the board of Water Stewardship Australia.



Kevin Hennessy, Research Group Leader, Climate Variability, Extreme Weather and Adaptation Group, Oceans & Climate Dynamics Program, CSIRO Oceans and Atmosphere Flagship

Kevin Hennessy is a Principal Research Scientist in CSIRO Oceans and Atmosphere. He has been involved in climate change research for over 29 years, and leads the Climate Variability, Extreme Weather and Adaptation Group.

His Group has published regional climate projections for Australia and the Asia-Pacific region. This includes climate products and services that enable impact assessment and adaptation planning.

Kevin has over 200 publications, and has been an IPCC Lead Author and Reviewer. He has spoken at many national and international conferences and workshops.

**Commander Steve Cole, Navy Environment Manager, Royal Australian Navy**

Steve is a specialist environmental officer and has served as Navy Environment Manager since 2001.

Steve has worked to achieve long lasting changes in Navy's environmental performance through the development of comprehensive environmental policies and procedures for operations, training and during procurement and disposal of ships.

Steve has encouraged climate change adaptation and mitigation discussion in Navy and promoted action to minimise capability risks. Key projects have included an assessment of risks to Navy infrastructure, the establishment of a wave electricity generation plant and an agreement to share knowledge on alternative fuels with the US Military. Separately, Steve has provided advice on climate change risks to Defence infrastructure, operations and training.

Steve completed a BSc. (Hons.) in Marine Biology and a PhD. in eco-physiology, investigating the climate adaptation of tropical trees.

**Bronwen Butterfield, Manager, Environment and Sustainability, Business Services, ICON Water**

Bronwen is the Manager, Environment and Sustainability at ICON Water, with responsibilities to deliver environmental policy, compliance and impact management, and sustainability and climate change advisory services to the organisation. Bronwen Butterfield has a Degree in Civil and Environmental Engineering and has about 17 years experience in environmental management and sustainability programs. Prior to joining ICON Water in 2011, she spent 9 years at the Department of Defence managing national programs for environmental impact management, climate change, energy and water efficiency and pollution prevention. Highlights include guiding major infrastructure and capability projects and major military exercises through the EPBC Act assessment approvals processes, enforcing a policy to phase-out AFFF Fire Fighting Foam across the Defence estate and developing a national electricity metering strategy. Early roles at NSW Rail Infrastructure Corporation and Sydney Water Corporation have also provided insights into the environmental management requirements of major utilities.

**Sean Rooney, Executive Director, Sustainability and Climate Change Division, Environment and Planning Directorate, ACT Government**

Sean is currently Executive Director, Sustainability and Climate Change in the ACT's Environment & Planning Directorate. Previous roles have included executive level positions in public, private and not-for-profit organisations spanning research, policy, programs and evaluation functions, with significant engagement across governments, businesses, NGOs, academia and communities. Previous organisations include: CSIRO, Department of Climate Change & Energy Efficiency, Sinclair Knight Merz, Foundation for Development Cooperation, and Australian Medicare Local Alliance. Sean holds the following qualifications: Bachelor of Commerce degree from ANU; MBA from Melbourne University; post-graduate qualifications in Sustainable Development from Cambridge University. Sean is on Board of Directors of Keep Australia Beautiful; an advisor to the Asia Pacific Centre for Sustainable Enterprise; a former Adjunct Associate Professor at Griffith University.

**Dr Mark Stafford Smith, Chief Coordinating Scientist – Adaptation, CSIRO (and Chair, Science Committee, Future Earth)**

Dr Mark Stafford Smith is based in Canberra, Australia, and looks after coordinating Adaptation Research across CSIRO. He interacts regularly with national and international policy issues around adaptation. In 2013 he was appointed Chair of the inaugural Science Committee for Future Earth, which aims to help coordinate research towards global sustainability worldwide. By background, he lived in Alice Springs for 20 years and, as a desert systems ecologist and past CEO of the Desert Knowledge Cooperative Research Centre (CRC), focusing on the science of desert living and sustainable management of outback environments.

**Ken Luty, Principal Consultant, Edge Environment**

Ken has over a decade of experience in developing and implementing solutions in the environmental and sustainability space. Ken works with clients in the private and public sector and across property, resources, planning and transport infrastructure. His primary interest is in integrated sustainability management and he works with his clients to manage the multiple sustainability issues across their organisation. He has worked on a range of climate change risk and adaptation projects from the development of climate change adaptation plans as part of the local adaptation pathways program to the integration of climate change risk in the management of major property portfolios. Most recently, he has worked on climate change risk and adaptation with DEXUS Property Group, Brookfield Multiplex, Sydney Light Rail, Sydney Metro Northwest, UTS and WestConnex.



Jessica Cairns, Case Manager, NSW, QLD, WA, NZ, Infrastructure Sustainability Council of Australia (ISCA)

Jessica has worked for the Infrastructure Sustainability Council of Australia for over 2 years as a Case Manager. She is primarily responsible for monitoring and providing support to ISCA ratings while they move through the rating process, to provide technical guidance and advice for different aspects of the IS rating scheme, and to manage and deliver a number of tool development and education and training projects relevant to ISCA. In this role, Jess has supported over 14 projects/assets through to achieving certified IS ratings and is currently supporting a further 31 projects/assets in pursuit of a certified rating.

Jess also has over 4 years of sustainability, climate change and waste management consulting experience and over 10 years of research and management experience.



Jane Inglis, Policy Manager, Sustainability and Systems, Infrastructure & Services, Transport for NSW

Jane is a prominent, award winning sustainability professional with both public and private sector experience. As Executive Manager Infrastructure Sustainability at RPS, Jane project managed ACELG's Climate Adaptation Manual for Local Government which won an IPWEA Sustainability Award in 2014. In her current role as Policy Manager Sustainability at Transport for NSW (TfNSW), Jane is responsible for managing leading-edge sustainability tools including TfNSW's Carbon Estimate and Reporting Tool, Climate Risk Assessment Guide, Sustainable Design Guidelines and Sustainable Procurement Standard – with a focus on industry engagement and delivering value to customers and the State. Jane is also a verifier for ISCA's IS Rating Tool, has led training on the tool and contributed to its development as a peer reviewer.



Paolo Bevilacqua, General Manager, Sustainability, Frasers Property Australia

Paolo has 15 years experience in the property industry and is currently Frasers Property Australia's General Manager, Sustainability.

Prior to his role at Frasers Property, Paolo was with Lend Lease for 11 years undertaking various roles within the field of sustainability. Paolo is a member of the PCA National Sustainability Roundtable and Green Star Steering Committee, Chair of the Green Star Experience & Skills Advisory Group, and a Director of the Living Future Institute of Australia.



Karl Sullivan, General Manager, Policy Risk & Disaster, Insurance Council of Australia

As General Manager for the Policy, Risk and Disaster Planning Directorate, Karl is responsible for the facilitation of industry policy and initiatives regarding emerging risks as well as coordinating the industries response and partnership with government following a significant disaster event.

Karl brings with him significant experience in the disaster planning and risk management field. Prior to joining the Insurance Council, Karl was responsible for global Disaster Planning, Response and Mitigation for the Qantas Group of Companies. In conjunction with that role, Karl was active in international and domestic forums focused on a wide range of disaster events and emerging risks. Prior to Qantas, Karl enjoyed a career in the Royal Australian Air Force, including several operational flying tours and appointments responsible for consequence management and disaster planning.



Emma Herd, Chief Executive Officer, Investor Group on Climate Change IGCC)

Emma is Chief Executive Officer at the Investor Group on Climate Change (IGCC).

Prior to IGCC, Emma spent 15 years at Westpac Banking Corporation where she had a range of roles across carbon finance and emissions trading, ESG Risk assessment, public policy and sustainability strategy development.

Emma has participated in a number of key public forums, government and industry bodies relating to climate change and the environment. Emma is a Non-Executive Director of the Carbon Market Institute and a member of the Cornerstone Capital Global Advisory Council. She holds a Bachelor of Asian Studies (Thai) Hons.



Tom Davies, Founding Director and Chairman, Edge Environment

Over the last decade Tom has enjoyed a series of professional experiences focused on environment and sustainability issues. In 2008 Tom established Edge Environment with two co-founders. Currently Tom's two key areas of work at Edge Environment are developing more resilient built environments and promoting industrial ecology as a means to reduce the Life Cycle impacts of products and close waste loops. Tom also makes contributions to a series of advisory councils, committees, boards and working groups, including the Green Building Council, National Climate Change Adaptation Research Facility, Energy and Water Ombudsman of NSW. Tom has contributed extensively to the Environment Institute of Australia and New Zealand over a decade, including as President of the NSW Division and as Chair of the Climate Change Special Interest Section. For contributions made to the EIANZ Tom was awarded the Mary Lou Morris award for outstanding contributions to the EIANZ in 2013.

**Maddalena Gabrielli, Sustainability Engineer, Brisbane Airport Corporation Pty Ltd**

Maddalena is an environmental engineer who has been working in the aviation sector since 2014. She is responsible for Brisbane Airport's carbon footprint reporting and played a significant role in Brisbane Airport obtaining Level 3 – Optimisation under the Airports Council International (ACI) Airport Carbon Accreditation program, including the development of Brisbane Airport's Carbon & Energy Management Strategy. She is an ISCA Infrastructure Sustainability Accredited Professional (ISAP) and is currently heading up the development of the BAC Climate Change Adaptation Plan.

**John Cook, Climate Communication Fellow, Global Change Institute, University of Queensland**

John Cook is the Climate Communication Fellow for the Global Change Institute at the University of Queensland. He created the website [Skeptical Science.com](http://SkepticalScience.com), which won the 2011 Australian Museum Eureka Prize for the Advancement of Climate Change Knowledge. John co-authored the college textbook *Climate Change Science: A Modern Synthesis*, the book *Climate Change Denial: Heads in the Sand*. In 2013, he published a paper analysing the scientific consensus on climate change that gained worldwide media attention and was tweeted by President Obama. He is currently completing a PhD in cognitive psychology, researching how people think about climate change, and developing a MOOC (Massive Open Online Course) on climate science denial (<http://sks.to/denial101x>).

**Sharon Pope, Manager Integrated Planning, Lake Macquarie City Council**

Lake Macquarie City Council is one of the biggest and more diverse council areas in Australia. Sharon's team of staff consider and plan the way the council area will grow, where jobs will be provided, what new infrastructure will be required, bushland areas kept, and more recently, how they will deal with increases in flooding due to sea level rise. Sharon has been in this role for 7 years, and at Lake Macquarie City Council for nine. Before becoming a Manager, she also had 22 years experience working as a Development Assessment Planner or a Strategic Land Use Planner for a number of Councils in New South Wales, Australia. Sharon is also a certified practicing planner with the Planning Institute of Australia.

**Dr Rhondra Dickson, Deputy Secretary, Office of Climate Change and Renewables Innovation, Department of the Environment**

Dr Rhondra Dickson is currently the Deputy Secretary in the Department of the Environment responsible for the Office of Climate Change and Renewables Innovation.

Prior to joining the Department in October 2015, Rhondra was Chief Executive of the Murray-Darling Basin Authority where she had the responsibility for developing and implementing the Basin Plan, the central plank of the water reforms and managing the River Murray system on behalf of New South Wales, South Australia, Victoria, Australian Capital Territory and the Commonwealth.

Dr Dickson is an experienced leader in natural resource management and has over twenty years' experience working with states and territories in the development and implementation of national policies for environment, agricultural and industry issues. Over this time she has worked at senior levels in the Department of Agriculture, Fisheries and Forestry, the Department of the Prime Minister and Cabinet and Department of the Environment.

**John Connor, CEO, The Climate Institute**

Whilst qualified as a lawyer, John has spent over twenty years working in a variety of policy and advocacy roles with organisations including World Vision, Make Poverty History, the Australian Conservation Foundation and the NSW Nature Conservation Council.

Since joining The Climate Institute as CEO in 2007 John has been a leading analyst and commentator on the rollercoaster that has been Australia's domestic and international carbon policy and overseen the Institute's additional focus on institutional investors and climate risk.

John has worked on numerous government and business advisory panels currently including the NSW Government's Climate Council. He is a graduate of the Australian Institute of Corporate Directors and a Board member of the Environment Defenders Office and the Asset Owners Disclosure Project. He is also a "Governator" with the Australian Youth Climate Coalition.

**Tayanah O'Donnell, Research Fellow, Canberra Urban and Regional Futures (CURF), University of Canberra**

Tayanah O'Donnell is a Research Fellow with CURF, University of Canberra. She holds a Bachelor of Social Science and of Laws (hons) and prior to commencing her PhD practised as a solicitor in litigation and in environment and planning law in NSW. She joined the University of Canberra in 2013, prior to which she lectured in law and in the social sciences at the Australian National University and Western Sydney University. Tayanah's research interests are in legal geography, climate law and adaptation, theoretical conceptualisations of property and place, and in urban and legal geographies of cities in a changing climate.



COURSE OUTLINE

The EIANZ's Learning to Adapt professional development programme has been developed in response to extensive feedback from industry, federal, state and local government and the research community. The programme was piloted in 2014 in partnership with the NSW Office of Environment and Heritage and has since run again in Sydney, in Melbourne (in partnership with the City of Melbourne) and in Brisbane. Feedback from each of these deliveries has contributed to the ongoing improvement of the programme.

Course Objectives

Develop professional climate change adaptation capability through:

- Applying the science of climate change impacts
- Assessing and managing climate change risks
- Implementing and communicating climate change adaptation action.

Delivery

The course is delivered as three (3) stand-alone modules, allowing learners to choose to enrol in only one aspect of the course. These modules are also coordinated to offer an integrated course. Each module includes:

1. An on-line forum discussing a series of pre-readings to ensure that participants can make the best use of the guest speakers
2. A one-day intensive delivered at a city location, featuring expert guest speakers leading the group through worked case studies
3. Group tasks applying the skills in a workplace context.

1. Online forum

One week before each one day intensive, participants are invited to join the online forum. A number of readings and links, suggested by the speakers, are posted and participants invited to start a conversation.

2. One-day intensive

The full day intensive component of each module is held at University House, The Australian National University, Canberra and is fully catered. Registration is at 8.30am and the course will conclude around 5pm. Each intensive will feature an expert introduction on the module content followed by case studies delivered by very experienced practitioners. The sessions will be interactive, allowing for group discussion and working through examples.

3. Workplace group tasks

Following the one-day intensive participants are invited to work in small groups on workplace projects to embed the course learning outcomes and establish an ongoing peer reference group. To ensure sufficient time for these group tasks the modules are separated by three to four weeks. Organisations volunteering to host workplace projects (this could be participant's own workplace) benefit by having expert projects delivered without cost, aside from the time of any staff member engaged in the group project.

Assessment

As the course is not accredited no formal assessment will be undertaken. However course design will deliver on a strategy of:

- Peer review and supervisor feedback in relation to the workplace learning project; and
- Observation of group-work in class

Accreditation

- This is a non-accredited course run through the Canberra Urban and Regional Futures (CURF) at the University of Canberra resulting in a Certificate of Attendance from Canberra Urban and Regional Futures (CURF) at the University of Canberra.
- The course content is aligned to the Units of Competence (UoCs) MSS017001A *Analyse and determine organisational risk areas in sustainability* and MSS017004A *Lead sustainable strategy deployment, contextualised for climate change adaptation*. The course content should attract recognition of prior learning for these UoCs through any suitable endorsed RTO.

Completion of the course will attract recognition:

- By 18 GBCA Sustainable Development CPD points
- 50 CPD points under the Certified Environmental Practitioner Scheme; and
- As a Master Class in Climate Change Adaptation Infrastructure Sustainability Accredited Professional by ISCA



Venue Details

Location

The Australian National University, University House, 1 Balmain Crescent, Acton, ACT 2601

Public Transport

Action buses:

<https://www.action.act.gov.au/>

Parking

The ANU's land is subject to parking controls from 9.00am to 5.00pm, Monday to Friday. Parking permits are required for functions held at the House during these hours. House Parking Permits are obtainable from the Reception counter (free of charge) in advance or on the day of the function. These permits authorise parking in the Garran Road car park at the rear of University House and off Balmain Lane only. Car parking, whether free or paid is subject to availability of parking spaces. It is suggested that car pooling is observed as an option for large functions.

Stay in touch

Become a member of EIANZ, GBCA or ISCA, and join their LinkedIn groups or twitter feeds. Visit www.eianz.org/membership for more information.

