



Photo by Ian Wiseman

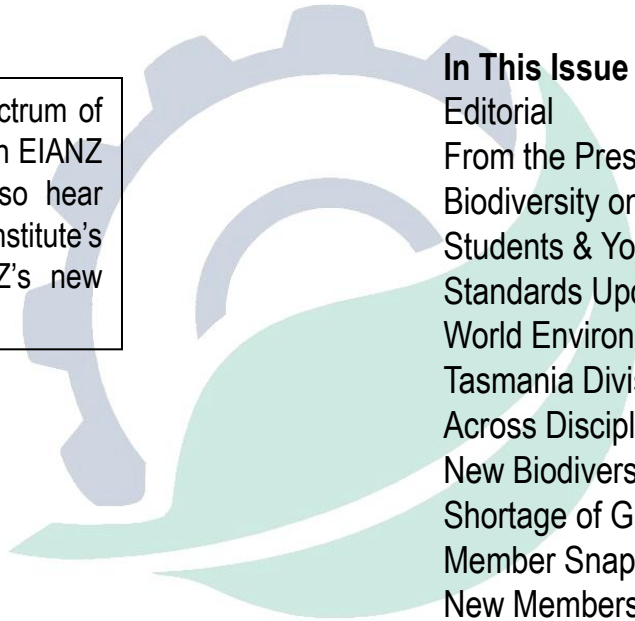
The Environmental Practitioner

ISSN 1834-7738

Number 21

March 2011

In this issue of TEP we have a wide spectrum of short notes and notices regarding events in EIANZ and the environment profession. We also hear about new developments for the Institute's Journal, and the appointment of EIANZ's new General Manager.



In This Issue

Editorial	2
From the Presidents Desk	3
Biodiversity on the Agenda	7
Students & Young Professionals	7
Standards Update	8
World Environment Day Awards	8
Tasmania Division Law Seminar	9
Across Disciplines	10
New Biodiversity Conservation Strategy	11
Shortage of Green Professionals	13
Member Snapshots	14
New Members	17
EIANZ Directory	18

Opinions expressed in this newsletter reflect the views of the authors and do not necessarily represent the views of the Environment Institute of Australia and New Zealand Inc. unless specifically stated.



Photo by Dave Manson

Editorial

Welcome to the March issue of *The Environmental Practitioner*. What a strange summer of natural disasters early 2011 has brought us – including the Christchurch earthquake, floods in eastern and southern Australia, Cyclone Yasi in Far North Queensland, and the fires in WA, not to mention the earthquake in Japan. In particular, I send best wishes to our Kiwi colleagues in Christchurch, for the rebuilding process. Even as I write this editorial, the flooded Barron River prevents me from leaving the small community I live in north of Cairns. This flash flood is certainly not a disaster by any measure compared to those just mentioned, but is yet another small reminder to me of how dependent we are on the natural environment to ‘behave’ in order to go about our lives and stay safe.

One exciting change has occurred for the Institute’s journal, *The Australasian Journal of Environmental Management* (AJEM), recently. After a long process of considering proposals for a publisher relationship for the Journal, EIANZ has decided to accept the model proposed by Taylor and Francis. This relationship will improve the financial security of the Journal, and, importantly, provide for a sustainable workload for our editors and add a suite of online capabilities for readers, authors and reviewers. We look forward to working with Taylor and Francis, and improving the standing, distribution and functionality of the journal. Right now the cover designs for 2011 are being circulated and deliberated and I have been impressed with the quality. So keep an eye out for the new AJEM in 2011.

Thank you to all the members who contributed articles, notices, photos and particularly member snapshots to this issue. As before, if you don’t see your snapshot this issue, please don’t be too disappointed and keep an eye for it in the future issues. The next deadline for the newsletter is 27 May 2011, so please send your contributions to communications-editor@eianz.org before then.



Best wishes,
Bec McIntyre
EIANZ Communications Editor



Tele-commuting today....



Photo by Ian Wiseman

From the President's Desk

It would be obvious to say that in the past three months we have seen numerous extreme events. In Australia, New Zealand and overseas we saw widespread torrential rainfall events, particularly in Queensland, with some areas having been flooded twice.

We have seen Brisbane flooded, and Cyclone Yasi ripped into north Queensland to hammer the town of Tully, among others. The “summer of sorrow”, as described by the Premier of Queensland. Western Australia experienced fatal bushfires, while Melbourne and regional Victoria were also subjected to severe flooding. In New Zealand we have seen another extremely devastating and frightening earthquake.

And now we witness another horrifying event unfolding; the earthquake, associated tsunami and the subsequent nuclear power station concerns in Japan. I would like to extend my sincere best wishes to all those members and their families, loved ones and friends who have been affected by these events.

Earlier this month, Professor Ross Garnaut presented his Climate Change Review update paper to the Australian government. In it, he has predicted further severe impacts on our weather patterns, our climate and our way of living. Many of these predictions are of the natural disasters we are already experiencing. They are natural phenomena that have been shaping the planet for millions of years. They are events that will continue to impact upon our lives.

Although we are unsure as to the extent of climate change, we are certain that we will continue to see natural disasters impacting upon us... what can we do to help??

The Institute has been in discussion with the Queensland Government and we are now arranging a Natural Disaster workshop to be held in Brisbane in mid to late June.

The theme of this workshop will be to look at resilience and how we can be more adaptive to these future disasters and major climate change impacts. The questions we will be asking will include:

- Are our planning policies well-founded and acknowledge the science and natural resource information currently available to us?
- Do we have all the natural resources data required to undertake the appropriate planning?
- Are there areas of science that we need to further address?
- Can we use all the current science in developing planning policies?
- What planning and building frameworks and policies can help with resilience and adaptation?

A number of members have already expressed an interest in being involved in a working group to help deliver this workshop. Please contact the General Manager or myself if you are interested in contributing to this topic.





Photo by Ian Wiseman

I do not wish to take away from the grief and devastation that these natural disasters have inflicted; however in Australia there are some environmental winners. We are seeing the Murray River get its third major flushing in less than a year. We are also seeing the Cooper Basin and ultimately the Lake Eyre Basin get numerous water inflows, unseen for many decades. And in New Zealand, we are seeing immense community spirit and resilience as the Christchurch community faces a different landscape.

Finally, and after many months of planning, advertising and interviewing I would like to welcome and introduce you to the Institute's new General Manager Monica Vandenberg. Monica comes to us with a wide understanding of the environment industry and with specific expertise in the sustainability area. Over the next few months, Monica will be travelling extensively to the various Chapters and Divisions to meet and greet the local committees and discuss your needs and aspirations. Please make her welcome.

Bill Haylock
President EIANZ

Think Green at the Upcoming Eco Xpo



The inaugural Eco Xpo is coming to Sydney and promises to be a three day celebration of everything eco-friendly, sustainable and earth-friendly. Sydney-siders are invited to meet like-minded people who are making positive and sustainable changes at a local, national and global level.

Over 200 green exhibitors will showcase the rapidly growing number of eco-friendly products and services available in areas such as: business / electronics, home / building, transportation / travel and energy / conservation.

Date: Friday 6th to Sunday 8th May, 2011

Place: Royal Hall of Industries - Driver Ave, Moore Park, NSW

Times: 10am to 4pm

Tickets: \$8 at the door. Children under 14 free. For a \$2 ticket discount at the door, bring your unwanted clothes and donate to St Vincent de Paul.

Further information: www.ecoxpo.com.au



New Specialist Certification for Ecology and Impact Assessment Professionals

The Certified Environmental Practitioner Scheme (CEnvP) has launched its new Ecology Specialist and Impact Assessment Specialist programs.

CEnvPs Specialist Certification Programs now give recognition to professionals who have high levels of expertise and ethical standards in specialist areas of practice such as Ecology and Impact Assessment (IA).

Certified through a process of peer and Board assessment, Certification provides a greater level of assurance to the community, employers, clients and professional associates of the credentials and peer recognition of an environmental professional.

Maintaining high quality professional outputs of practitioners not only has positive environmental and social results, but also offers economic gains by enhancing sector competitiveness.

The CEnvP Scheme was established in 2004 as an initiative of EIANZ. It is Australasia's first certification scheme for general environmental practice, and one of the first in the world.

There are currently over 330 CEnvPs across the whole of Australia and New Zealand.

For details on how to apply for the Specialist Certification Programs, please visit the [Ecology](#) and [Impact Assessment](#) Specialist webpage's for the Guidance notes and Application form.

Current CEnvPs should visit the 'Current CEnvP' section of the website for details on how to apply for Specialist Certification as the requirements are slightly different.

CEnvP – an initiative of the Environment Institute of Australia and New Zealand.

The CEnvP December Intake
Closing Date Approaches

Fri 17th June 2011

Don't put it off until the last minute - it's time to start preparing your application for CEnvP. The Certified Environmental Practitioner Scheme is inviting suitably qualified practitioners to participate in this important initiative for the environmental profession.

Don't miss this opportunity to apply for CEnvP status and be recognised!

EIANZ members and fellows receive significant discounts on application and annual certification fees. As the process is rigorous and the application thorough, be sure to get started now.

For more information, please visit www.CEnvP.org/apply.

CALL FOR PAPERS

EIANZ 2011 Conference

**Novotel Twin Waters Resort
on the Sunshine Coast
28-30 September 2011**



Download the detailed criteria for abstracts from the front page of our website www.eianz.org

SUBMISSIONS CLOSE ON FRIDAY 8 APRIL 2011

The 2011 EIANZ Conference is an opportunity to bring science, policy, law and practice together to address our environmental future, and the role of the profession, through high-quality presentations and stimulating discussion.

The conference committee calls for submission of abstracts for papers and posters to be presented at our 2011 Conference, which:

- (a) address the future and actions for the profession, consistent with the overall theme of the Conference; and
- (b) address one or more of the major streams outlined in the document attached in the link above.



Photo by Dave Manson

Biodiversity is on the Global Agenda!

An International Panel for an Asia Pacific Network for Global Change Research will include Professor Ian Spellerberg (EIANZ Honorary Fellow) and Dr. Simon Ferrier, Senior Principal Research Scientist at the CSIRO.

In February in Tokyo, the APN had an 'Analysis Scoping Workshop' addressing biodiversity and ecosystem services. The workshop acknowledged that there is a high risk of dramatic biodiversity loss and accompanying degradation of the functioning of ecosystems if they are pushed beyond certain thresholds or tipping points. The ultimate objective of the scoping workshop was to identify the main issues and drivers of biodiversity loss/ecosystem functioning for the Asia-Pacific Region based on available resources and, essentially, provide a Gap Analysis that will guide an appropriate research agenda and inform decisions on investment in scientific capacity development for the APN, particularly for Terrestrial ecosystems, marine and coastal ecosystems, and freshwater ecosystems.

The Asia Pacific Network (APN) for Global Change Research is one of three such 'north-south' regional networks that were established as a result of the 1990 White House Conference on Science and Economics research related to global change. The APN was formally launched in 1996. A competitive process was established shortly afterwards to assess applications for funding for global change research.

The APN has evolved in close collaboration with START (Global Change System for Analysis, Research and Training). Regional research addresses several themes including Climate Variability and Change, Biodiversity, and Water Cycle research. Ian Spellerberg and Simon Ferrier will be part of an international panel made up with people from several countries including Cambodia, India, Japan, Malaysia, Mongolia, Philippines, and USA.

Professor Ian Spellerberg

EIANZ Honorary Fellow

EIANZ SYP Committee Workshop

The Students and Young Professionals (SYP) Committee had their inaugural face-to-face meeting on the 18th of February, 2011. The founding theme for the meeting was to develop a solid strategy and well-structured action plan for moving the SYP Committee forward into 2012 and beyond. We had a packed agenda and achieved a great deal on the day. Contributions were made by members from around Australia and New Zealand, including Institute Honorary Fellow Ian Spellerberg, who offered much guidance and wisdom. We greatly appreciate everyone's time and effort in making the day a success.

Some key outcomes of the meeting were the development of a three-year strategy with focused objectives supported by ambitious, yet achievable targets, the creation of a communication plan and associated marketing collateral tailored at engaging students and young professionals, and the development of a guide to holding successful networking and other events, just to name a few. EIANZ members can expect to see these and other items posted on the Institute website in the near future.

The SYP Committee wish to thank the Institute for supporting us and providing funding to hold the meeting. The Committee is also very appreciative of Manidis Roberts for generously hosting and catering the event. A big thank you also to Anne Young for assisting in the organisation and to Catherine McCafferty for her patience and outstanding minute-taking skills.

Most of all, we have a committed core group of students and young professionals who continue to volunteer their time and energy to achieve our goals as a committee. Our future looks bright!

James Drougas and Paul Keighley

Co-Chairs, EIANZ SYP Committee



Photo by Dave Manson

Standards Update

Standards Australia has released for public comment ISO DIS 20121 Event Sustainability Management Systems - Requirements with Guidance for Use. This International Standard specifies the requirements of an event sustainability management system to improve the sustainability of events (defined as planned gathering with respect to time and a place where an experience is created and/or a message is communicated). The standard has links to ISO 14001 EMS and ISO 26000 Social Responsibility and is in part based on BS8901 Specification for a Sustainable Management System for Events.

EIANZ members who wish to comment may do so directly by visiting www.hub.standards.org.au/hub/public/index.jsp or may contact the EIANZ representative on the Australian National Committee handling this standard for further information at mail@avteq.com.au.

ISO 19011:2002 Guidelines for quality and/or environmental management system auditing is being revised to allow for its use with any management system and is currently at the final stage of the ISO process. Subject to completion of this final stage it is anticipated that the revised standard ISO 19011:20XX Guidelines for auditing management systems will be published by the end of 2011. Major changes to the standard include addressing remote audit methods and the concept of risk, the re-organisation of selected clauses, the inclusion of additional information on the conduct of audits in a new annex with information on sampling and strengthening of the competence determination and evaluation process.

Stan Rodgers
EIANZ Representative to MB18



World Environment Day Awards

The 5th of June is World Environment Day. On this day, the UN seeks to focus world attention on the environment and recognise positive environmental programs and initiatives. The United Nations Association of Australia (Victorian Division) actively promotes United Nations World Environment Day through its annual national World Environment Day Awards program. This year, the Awards are held in support of the 2011 International Year of Forests and UNEP World Environment Day theme 'Forests: Nature at your Service'.

The UNAA has chosen the image of the orangutan for the 2011 World Environment Day Awards in order to represent the plight of all creatures who are losing their habitats due to agriculture, logging and deforestation. In the Malay language orangutan means 'people of the forest.' It is estimated that 80 per cent of the orangutan's habitat has been deforested in the last 20 years. The Awards recognise Australian businesses, local governments, individuals, community groups, NGOs, schools and the media whose work serves to protect, manage or restore the environment. The pre-eminent national awards program plays an important role in raising awareness about key environmental issues and challenges, and inspiring and motivating individuals, organisations and businesses to take positive steps towards sustainability and environmental excellence in their homes, schools, communities and workplaces.

Categories and nomination forms for the 2011 World Environment Day Awards are now available here: www.unaavictoria.org.au

Nomination Deadline: 5pm, Friday 6th May, 2011.



Environmental Consulting and the Law Seminar Hobart February 2011

The Tasmanian Division recently organised a seminar which created significant interest and I thought that other EIANZ members may be interested too. The seminar focused on the recent legal case in NSW where an environmental consulting company, Orogen Pty Ltd, and its director, Mr Fish, were convicted of causing damage to threatened species habitat through the provision of incorrect advice. Claire Smith, Partner, Clayton Utz, provided an overview of the case and its ramifications. Two local Tasmanian barristers and solicitors, Don Armstrong and Leonard Fernandez, discussed the relevance of the case within a Tasmanian context and also discussed professional indemnity insurance policies.

Orogen was engaged by a developer to advise on the clearing of vegetation for a new industrial lot in NSW. The 10 ha lot included a mix of industrial and rural zoned land. In the fee proposal, Orogen accepted full responsibility for legislative compliance. The consultant identified koala habitat during the initial assessment. The consultant reviewed fact sheets on the relevant NSW State Government department's website and consulted with the local Catchment Management Authority and Council. The consultant identified (correctly) the relevant parts of the Native Vegetation Act which applied. However the consultant did not realise that the National Parks and Wildlife Act made the clearing of threatened species habitat on industrial zoned land an offence. The judge noted that the legislation surrounding the removal of vegetation was confusing.

Orogen and the consultant pleaded guilty to the charges. The company was fined \$10k and the director was fined \$5k. They were also ordered to pay the prosecution costs of \$105k, to undertake a koala mapping project at an approximate cost of \$150k (Orogen offered to carry out this project) and to place advertisements in the newspaper and an association's newsletter.

This is the first known case in Australia where the definition of "cause" has been expanded to include indirect means. Typically the developer, landowner or contractor would be prosecuted for causing damage to the environment, but in this case, the consulting company that advised that the clearing was lawful was targeted. The important lessons from this case for environmental consultants include:

- Be aware that accepting "full legislative compliance" carries enormous responsibility. Where possible, limit your scope of work to providing factual and technical information. Take care when interpreting the law and seek the services of a lawyer if necessary (you don't know what you don't know!). Technically, only trained legal practitioners are authorised to give legal advice.
- Agree terms and conditions up front and do not accept standard terms provided by your client (obtain legal advice if necessary).
- Do not consult outside your area of expertise and ensure proper internal procedures are established within a consulting firm to manage this.
- Maintain appropriate Professional Indemnity insurance. Note, of the PI policies reviewed (including the standard policy offered by Marsh to EIANZ members), none provided coverage for criminal proceedings (*ie* prosecution under Acts/Regulations) as in this instance. The policies provided coverage for civil proceedings relating to disputes between parties (which are the most common).

A copy of the more detailed four page summary is available on the Tasmanian Division's page at www.eianz.org

Claire Brett
President - EIANZ Tas Division



Photo by Dave Manson

Across Disciplines

The environment profession was pioneered by scientists, engineers and technical people who worked to improve the world around them using an evidence-based approach. Reliance on evidence has not changed. But what has transformed the environment profession is the adoption of the (Brundtland) principles of sustainability in 1987. Next year, 2012 will mark the 25th anniversary of the introduction of sustainability into our profession. Scientists and engineers are needed as ever before, but new disciplines are also getting involved in 'the environment' now. Our profession is becoming more varied and broader in its outlook.

Like many of my colleagues, I spent decades doing the environmental impacts statements, audits, reports and teaching that is expected of an environment manager in the corporate world. I served as Vice President-Australia of EIANZ from 2005-2007 to give back to the profession that gave me my career.

Then I altered strategy and went across disciplines and reached out from one institute to another. In a bold change, I 'diversified my portfolio' (as the finance people would say). I did this to straddle the dimensions of sustainability itself. I am not an idealist, so I did not approach the professional bodies of laissez faire economists or stock brokers, but I did start working with many procurement professionals. Their professional body is the Chartered Institute of Purchasing and Supply Australasia – CIPSA (equivalent to EIANZ for us). I noticed a lot of camaraderie in what sustainability practitioners do and what procurement professions do. Both professions respect the facts, are fond of system thinking and make value judgments every working day. The common ground is Sustainable Procurement. The push to buy greener products is within the 'value for money' theme and is a way forward for their profession to lead corporations toward sustainability.

People's interest in learning about this very practical topic has been consistent for about three years. I have taught courses in it since 2007. CIPSA has a range of training opportunities for its members - ranging from short professional training days through to UK accredited diplomas in Sustainable Procurement. Of the eight conference papers I presented in 2010, seven were on the topic of Sustainable Procurement. The audience and interest has grown to the point where CIPSA commenced a Special Interest Forum to accommodate the topic in August 2010.

With a membership larger than ours, CIPSA has the resources to offer awards that are highly sort after by major corporations. One of the awards is sponsored by Curtin University and Rio Tinto. It is a monetary prize for an essay - a 'white paper' discussion - to stimulate thinking on the forefront of procurement. At its annual gala dinner in October last year, I was delighted to accept the prize for CIPSA's 2010 Essay Competition. Whether it was my writing style or the popularity of the hot topic of sustainability – well we will never know – but the importance of an EIANZ sustainability practitioner being acknowledged by CIPSA's procurement profession is a good sign. It is an indicator of the way that thinking is starting to integrate across diverse specialities practiced by members of different institutes.

I called my essay the 'Price of Desire'. It challenges procurement practitioners because it re-conceptualises the conventional price-cost model of supply and demand, from a sustainability perspective. CIPSA published the essay with a giant picture of a grossly decadent yacht, so I think they got the message with eagle-eyed humour. It is available online in the December 2010 edition of their bimonthly magazine, Procurement Professional at: <http://ppdigital.pponline.com.au/>

Suzanne Little



Photo by Dave Manson

New Biodiversity Conservation Strategy 2010-2030 *Letter to EIANZ 21 December 2010*

I am writing to provide you with a copy of Australia's Biodiversity Conservation Strategy 2010-2030 released by the Hon Tony Burke, Minister for Sustainability, Environment, Water, Population and Communities, on behalf of the Natural Resource Management Ministerial Council, on 27 October 2010.

The strategy has been developed collaboratively by all state and territory governments and the Australian Government. It is a significant national policy document that will guide how governments, the community, Indigenous peoples, industry, farmers and scientists manage and protect Australia's plants, animals and ecosystems – its biodiversity – over the next 20 years. The strategy's 20-year vision is for Australia's biodiversity to be healthy and resilient to threats, and valued both in its own right and for its essential contribution to our existence.

This strategy builds on experience from an earlier strategy. The Natural Resource Management Ministerial Council invited public comment on the consultation draft of the strategy in early 2009. Following input from public submissions and consultation the draft was finalised in 2010. A major change arising from the public consultation was the inclusion of national targets.

The strategy sets out three priorities for action: engaging all Australians; building ecosystem resilience in a changing climate; and achieving measurable results. Each of the priorities is supported by outcomes, measurable targets and actions. The actions build on the work by many Australians, including farmers, scientists, industries, environmental groups and Indigenous peoples, to better manage and improve Australia's biodiversity.

The inclusion of ten national measurable targets in the strategy is a significant milestone for biodiversity conservation in Australia, with Australia one of the very few countries to have committed to measurable targets for biodiversity conservation.

The targets provide the foundation for progressive improvements in our management of biodiversity and allow governments and the wider community to identify information gaps and build on evidence of successful approaches for future investment. The strategy also outlines actions that can be taken to achieve its goals.

The Australian Government is contributing to the strategy through its own actions which include:

- Continuing its \$2 billion investment in the Caring for our Country program
- Extending the system of marine and terrestrial protected areas under the National Reserve System
- Reviewing and updating the primary Commonwealth legislation for protecting biodiversity, the Environment Protection and Biodiversity Conservation Act 1999.
- Working with Indigenous people and land users to promote protection and management of land and sea through the Working on Country program.
- Creating new biodiversity markets with private land managers through the Environmental Stewardship program to achieve long-term conservation outcomes.
- Promoting landscape scale approaches to biodiversity conservation and improved connectivity and other benefits through the Green Corridors Plan.

For additional copies of the strategy and copies of the summary brochure please contact the Department's Community Information Unit on 1800803772. For further information visit www.environment.gov.au/biodiversity/strategy.html

Charlie Zammit

Commonwealth representative on behalf of the National Biodiversity Strategy Review Task Group



THE KNOWLEDGE WE GAIN HERE

OUR TRAINERS KNOW THE ENVIRONMENT

At a Graham A Brown & Associates training workshop you benefit from over 40 years of practical consultancy experience in the fields of auditing, environmental management systems, waste management, sustainability and climate change. Our practicing consultants use their training skills and experience linking theory to current practice to optimise your learning experience. From the boardroom to the factory floor Graham A Brown & Associates offers a unique environmental training development and delivery experience. Join one of our public workshops listed in this booklet or contact us for an in-house (customised) training solution.

2011 Training Dates

Environmental Auditor Certification Workshop (5 days)

Sydney 16th - 20th May

Melbourne 4th - 8th July

Brisbane 8th - 12th August

Newcastle 19th - 23rd Sept

Sydney 17th - 21st October

For more information phone 02 4027 8500 email training@grahamabrown.com.au or visit www.grahamabrown.com.au



BENEFITS YOU HERE

Shortage of Green Professionals Looms Large

Tilde Herrera <http://www.greenbiz.com/news>

The world faces a shortage of greenhouse gas professionals with the skills to meet current measurement, reporting and verification needs, according to a report on the greenhouse gas workforce from the Greenhouse Gas Management Institute (GHGMI), a non-profit training centre in the US, and Sequence Staffing. The problem will likely get worse as climate change programs expand around the world.

For the second year in a row the survey of greenhouse gas professionals found a gap between workforce supply and demand. The survey gauged the responses from more than 1,000 practitioners, revealing that many worry about the competency of their peers. Respondents said they also have a hard time demonstrating their own adequacy, in part due to a lack of widely accepted certification programs. To back the overall finding, the survey found nearly 85% of respondents believe all public companies will someday need at least a part-time greenhouse gas employee or consultant. It adds, "already, those with adequate skills are finding themselves in high demand".

Tim Stumhofer, a GHGMI program associate, said "we would have very serious capacity issues if we should have any sort of scale-up. In our opinion, there has not been a systemic treatment of the capacity issues. I think this is a looming challenge". "We're at a point where there is a gap between how prepared you're going to be in a voluntary program, and the reporting realities under a compliance program."

Other findings in the survey included:

- More than half of respondents have worked in the field for less than five years, reflecting the nascent quality of the market. Greenhouse professionals' view of the number of years it takes to be considered an expert averaged 6.9 years; self-identified experts had about 4.9 years experience;
- Most respondents believe greenhouse gas auditing has insufficient oversight and see the need for some type of certification for individual auditors before they can perform audits in the Clean Development Mechanism and Joint Implementation markets. At the same time, 41% of auditors described the work they had audited as being 'adequate or average', while 26% rated it as 'poor or very poor';

- Less than half of respondents have used greenhouse gas software; use correlated with self-identified experience level, so those with more expertise were more likely to have used the software. Of those who have used greenhouse gas software, 57% described it as 'adequate for their needs', while 35% said it was 'inadequate'; and
- More than 37% of respondents called for a sectoral approach to putting a price on carbon, compared to 24% who preferred a cap-and-trade mechanism and 20% who'd like a carbon tax.

US most at risk of skills shortage

The challenge seems to be quite big in the US, Frank De Safey, VP at Sequence Staffing notes. "We're at a crossroads, especially when you consider US facilities. The future at this point does not look good when you look at the reporting requirements and see we have a serious shortage of experienced personnel to carry out those out".

The survey also identified that greenhouse professionals in the US generally give high marks to companies around the world for their relative preparedness for climate risk disclosure. However, 75% believe US companies are unprepared to meet the greenhouse reporting requirements of the US EPA's Mandatory Reporting Rule, which began for most carbon-intensive facilities in 2010. De Safey noted that one of his company's international clients has been directed by its CEO to reduce its global greenhouse emissions by 10%, in addition to goals for water and energy use.

"I am seeing this play out across the spectrum of public and private facilities and organizations here in the states, as well as internationally," he said. "The shortage of personnel and technical competency in what is now just an emerging field is dramatic. Most professionals in the survey also expressed concerns over the general public's limited understanding of climate change, particularly in the US. Those in Western Europe awarded higher marks to the public."



Photo by Ian Wiseman

Member Snapshot – *Shailesh Tyagi*

Quals: Process Control Engineer with Masters degree in Environmental Management, and an MBA in Finance.

I've expertise in the following:

- End to end Clean Development Mechanism project consulting
- Carbon foot printing (carboNZero & CEMARS)
- Carbon due diligence reviews
- Carbon Finance – various funds under the World Bank and ADB
- Climate Change Adaptation
- Emission Trading Schemes – EU ETS (demand side of CERs), NZ ETS and CPRS
- Water foot printing
- EHS Assessments and Due Diligence
- Sustainability, Energy and Climate Change Strategy

What do you do?

I am one of the Senior Directors at Deloitte's Sustainability & Climate Change Practice in Sydney.

How did you get there?

I've been broadly working in this area across Asia-Pacific over the past decade. I've been with Deloitte for close to three years now.

Biggest environmental concern?

Water and energy – though the latter is more of a sustainability issue, but I'd keep it under the environment as the other part of it is the emissions.

Best aspects of your work?

Some aspect of every new engagement in consulting space gives me an opportunity to learn something new....it has been more than a decade in the field and, trust me, it never gets boring!!!

How and why did you get involved with EIANZ?

Brendyn Williams, Principal Consultant from Pentagon Management Pty Ltd, introduced me to EIANZ.





Photo by Ian Wiseman

Member Snapshot – *Laura Canevari*

Quals: Bachelor of Marine Studies (Coastal Management) Honours Class I. Will be undertaking a MSc in Environmental Change and Management at Oxford University, commencing October 2011.

What do you do?

I am a research assistant at the Spatial Ecology Lab, at the University of Queensland. I work on mangrove dynamics, systems thinking and predictive modelling. My thesis was on the impacts of stormwater runoff pollutants and land use change of mangrove recovery. My current project is focused on estimating changes in runoff as determined by changes in land use and in precipitation. I will then incorporate these estimates into a food web model to predict changes in primary productivity and in fisheries production in Moreton Bay. I work in EIANZ SEQ Division as Volunteer Coordinator and Interest Members Groups Coordinator.

How did you get there?

I have always had a passion for environmental issues. I am originally from Colombia and spent most of my childhood in the Caribbean, where my interest for coastal dynamics and marine ecosystems evolved.

Biggest environmental concern?

Certainly I am concerned about the lack of interest and awareness that most people have towards environmental issues.

Best aspects of your work?

Interesting and challenging topics. I can manage my time as I prefer, as I am given full independence over my work.

How and why did you get involved with EIANZ?

I joined EIANZ because I wanted to learn about the challenges faced by environmental consultants. It has been a terrific experience!





Photo by Ian Wiseman

Member Snapshot – Kyle Roberts

Quals: Bachelor in Applied Science (Applied Geography), University of Canberra. Please note pure Environmental Degrees did not exist in the early 1980s.

What do you do?

I held the position of Principal Environmental Scientist at MWH Brisbane in the Environmental Planning and Approvals Group. In my role I am involved in the preparation of environmental planning and assessment reports for major water sewerage and transport infrastructure projects and the obtaining of relevant legislative approvals permits and licences for these works. I have just commenced a role in very interesting project relating to the National Disaster Relief and Recovery Arrangements road restoration program for the Queensland Department Transport and Main Roads in Central Qld (Fitzroy Region). I also hold RBQSA International Environmental Auditor Certification and as such am the Group's lead auditor.

How did you get there?

By hard work, long hours (including many a long lonely night undertaking noise assessments in the industrial back-blocks of Campbelltown and Penrith), and having a good mix of government and private sector environmental regulatory assessment experience. This included five years in consulting in Sydney in late 80's and early 90's for Dames & Moore, Sinclair Knight & Partners and others, then a 13 year stint with the Queensland Department of Environment/Heritage/EPA in the Operational Division as Senior Environmental Officer and then Operations Manager-Licensing.

Biggest environmental concern?

Littering (this may sound a little weird) but if you can't get the public to do the most smallest of things to maintain a keep a clean and healthy environment, how are you going to get them to come on board for major global issues, ie climate change. Plus, making environmental legislation requirements less confusing for applicants and the public generally and concentrate on achieving better environmental outcomes from the development planning process.

Best aspects of your work?

Making a difference in terms of assisting engineers with constructing sustainable projects by altering design options and of course having the opportunity to get out of the office to do field work and feel the breeze.

How and why did you get involved with EIANZ?

When I worked in Sydney for Dames and Moore in the late 80's, my boss at the time thought joining EIANZ could be beneficial for a bunch of new recruits as a medium to meet and network with like-minded professionals and, of course, enjoy the savoury nibbles!





Photo by Bec McIntyre

New Members

Division	First Name	Last Name	Category
FNQ	Katherine	Roper	FULL MEMBER
FNQ	Caitlin	Mitchell	FULL MEMBER
FNQ	Meredith	Anderson	FULL MEMBER
FNQ	Claire	Driessen	FULL MEMBER
FNQ	Judith	Wake	FULL MEMBER
FNQ	Jane	Doran	FULL MEMBER
NSW	Hayley	Given	ASSOCIATE
NSW	Shailesh	Tyagi	FULL MEMBER
NSW	Peter	Stevens	FULL MEMBER
NSW	Nathan	Garvey	FULL MEMBER
NSW	Rosemary	van Klinken	ASSOCIATE
NSW	Matthew	Jones	FULL MEMBER
NSW	Denise	Corish	FULL MEMBER
NSW	Tom	Dyson	FULL MEMBER
nsw	Adegboyega	Adeniran	ASSOCIATE
NSW	Anita	Zainal	STUDENT
NSW	Kristen	Tan	FULL MEMBER
NSW	Michelle	O'Hare	ASSOCIATE
NSW	Anthony	Carroll	FULL MEMBER
NSW	Storm	Watson	STUDENT
NT	Philip	West	FULL MEMBER
NT	Kylie	Fitzpatrick	FULL MEMBER
NZ	Johnathon	Atkins	STUDENT
NZ	Johnathon	Atkins	STUDENT
NZ	Kathryn	Markham	FULL MEMBER
NZ	Angela	Mayson	FULL MEMBER

Division	First Name	Last Name	Category
NZ	Adam	Fraser	FULL MEMBER
NZ	Malinda	Facey	FULL MEMBER
NZ	Cleo	Kennedy	FULL MEMBER
NZ	Johanna	Taylor	FULL MEMBER
NZ	Stephen	Knight-Lenihan	FULL MEMBER
NZ	Taryn	Pearce	FULL MEMBER
NZ	Emma	McConachy	FULL MEMBER
NZ	Ian	Davidson-Watts	FULL MEMBER
NZ	Karen	O'Donohue	FULL MEMBER
NZ	Liz	Garson	FULL MEMBER
OVERSEAS	Naomi	Hull	FULL MEMBER
SA	Melita	de Vries	FULL MEMBER
SEQ	Gavin	Duce	FULL MEMBER
SEQ	Emma	Franks	FULL MEMBER
SEQ	Grant	Seaton	FULL MEMBER
SEQ	Kylee	Creighton	FULL MEMBER
SEQ	Peter	Black	FULL MEMBER
SEQ	Jacob	Tobin	FULL MEMBER
SEQ	Ana	Brauna Moore	STUDENT
seq	Phillip	McCullough	FULL MEMBER
SEQ	Penny	Hamilton	FULL MEMBER
seq	Jayne	Thorpe	FULL MEMBER
SEQ	Dan	Cloonan	FULL MEMBER
SEQ	Andrew	McCartney	FULL MEMBER
SEQ	Peter	Barrett	FULL MEMBER

Division	First Name	Last Name	Category
SEQ	Robert	Evans	FULL MEMBER
SEQ	Ross	Walker	FULL MEMBER
SEQ	Cheryl	Greene	FULL MEMBER
SEQ	Hugh	Stone	FULL MEMBER
SEQ	Marnie	Campbell	FULL MEMBER
SEQ	Amber	Whitelaw	ASSOCIATE
SEQ	Tara	Wood	STUDENT
SEQ	Tim	Collins	FULL MEMBER
SEQ	Caitlin	Archard	STUDENT
SEQ	Evan	Smith	FULL MEMBER
SEQ	Maria	Keogh	FULL MEMBER
SEQ	Susan	Coleman	STUDENT
SEQ	Rachel	Hackett	STUDENT
TAS	Indra	Boss	STUDENT
VIC	Margaret	Bell	FULL MEMBER
VIC	Chris	Quadroy	FULL MEMBER
VIC	Dennis	Williamson	FULL MEMBER
VIC	Joel	Rodski	FULL MEMBER
VIC	Chris	Sprott	FULL MEMBER
VIC	Ruth	Lane	FULL MEMBER
VIC	Simone	Stevenson	ASSOCIATE
VIC	Matthew	Bruce	STUDENT
VIC	Kyle	O'Farrell	FULL MEMBER
VIC	Brian	Fox-Lane	FULL MEMBER
VIC	Gabrielle	Stannus	FULL MEMBER
VIC	James	Keck	STUDENT
WA	Troy	Hindmarsh	FULL MEMBER



Photo by Dave Manson

EIANZ Directory

Executive	
President	Bill Haylock
Vice President Australia	Tiffany Thomson
Vice President NZ	Tom Burkitt
Secretary	Leo Fietje
Treasurer	Michael Chilcott
Communications Editor	Dr Bec McIntyre
Special Projects	Nick Kariotoglou
Divisional Councillors	
ACT	Margaret Nicholson
FNQ	Dr Adam Smith
NSW	Faye Hargreaves
NZ	Jeska McNichol
NT	Cathy Waldron
SA	Stewart Duncan
SEQ	Mark Williamson
TAS	Axel von Krusenstierna
VIC	Paul Kelly
WA	John Braid

Standing Committee Chairs	
External Relations	Leo Fietje
Policy & Practice	Richard Hoy
Journal Editorial	Prof. Helen Ross
Membership Promotion	Nick Kariotoglou
Professional Development	Dr David Hogg
Student & Young Professionals	James Drougas & Paul Keighley
Certification Board	Nigel Murphy

Central Office	
Operations Manager	Anne Young
Membership Administrator	Catherine McCafferty
General Manager	Monica Vandenberg

Special Interest Sections	
Impact Assessment	Lachlan Wilkinson
Ecology	Simon Mustoe
Climate Change	Tiffany Thomson

Division/Chapter Presidents	
ACT	Mark O'Brien
FNQ	Anthony Coward
NSW	Fabian Sack
NZ	Tom Burkitt
NT	Randall Scott
SA	Joe Mifsud
SEQ	David Carberry
TAS	Claire Brett
VIC	Elizabeth Hurst
WA	John Braid



PROFESSIONAL INDEMNITY FOR ENVIRONMENTAL CONSULTANTS

CAN YOU AFFORD NOT TO GET A QUOTE FROM THE EIANZ PI FACILITY?

If you would like to receive a quote through the EIANZ PI facility for your Professional Indemnity Insurance or for further information call:

Rachel Grima
Tel: + 61 3 9603 2760
email: rachel.grima@marsh.com

Jacques Moritz
Tel: + 61 3 9603 2206
email: jacques.moritz@marsh.com

Marsh Pty Ltd
ABN 86 004 651 512
555 Lonsdale Street
Melbourne VIC 3000

This information is general advice only and takes no account of your individual circumstances, needs or financial objectives. We recommend that you contact us to obtain a copy of the policy wording in order to understand whether the cover provided is appropriate for you.

Please note that EIANZ receives a financial benefit from the sale of this insurance product, enabling them to continue to develop and provide further services to their members.

In your role, as an environment professional, the need for insurance protection has never been more important.

Marsh and the EIANZ understand your industry needs and have tailored an insurance program to protect you.

Marsh, in consultation with EIANZ, has developed a professional indemnity insurance facility designed for environmental professionals that addresses the specific risks that you are exposed to and recognises and understands your business.

Some of the key features of this facility are:

- A competitive insurance product in:
- premiums - endorsements
- deductible - exclusions
The facility recognises the role that the CEnvP initiative plays in risk management within the businesses.
A facility which is able to provide cover to the majority of environmental businesses within EIANZ
A streamlined application/proposal form
An effective administration process that promptly deals with enquiries, renewals and claims through a dedicated team
Premium can be paid in monthly instalments using our Premium Finance facility

Alternatively, if you would like to receive a quote when your insurance cover falls due, complete the information below and fax to Rachel Grima on 03 9603 2760.

Name of Company:
Contact Person:
Address:
Fax: Mobile:
email:
Best time to call you: am/pm Renewal Date of your Current PI Policy / /



CATS 09/0068