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NZ Chapter Newsletter
EIANZ
May 2010

FROM THE EDITOR

Erik van Eynhoven

This issue of the newsletter is a diverse one – a lot has happened in the last 3 months: aligning professional bodies; information services for EIANZ members; input into ISO standards; and, of course, the opening of registrations for the upcoming EIANZ conference in Wellington. Also check out the great outcomes of the Wellington Branch

Innovative Freshwater Management event held in March.

The deadline for contributions to the next NZ Chapter newsletter will be Friday the 6th of August 2010 – send your articles, news items, events or ideas to me at erik.vaneyndhoven@maf.govt.nz.

FROM THE PRESIDENT

Tom Burkitt (nzpresident@eianz.org.nz)

After making invaluable contributions to the NZ Chapter, three committee members are standing down this year. Jo Buckner (NZ Councillor), Melissa Renganathan (NZ Secretary), and Peter Hartley (Committee Member) have committed their time and energy to the Executive for several years now, and I thank them for all that they have brought to the team and done for the Chapter.

With their decision to stand down comes an opportunity for others to join a dynamic group of Environmental Practitioners coordinating the operation of our EIANZ Chapter, and I am seeking volunteers to replace them in their roles. Prior experience at this level in a not-for-profit organisation is not necessary. Absolute requirements, however, are a willingness to
Tom Burkitt

participate actively and a passion for developing environmental practice.

You will be mentored into the position and there will be a sufficient handover from the departing Executive Officers. We are also well supported from the Central Office in Melbourne, so the workload is manageable for most. So, if you are interested in learning more about what the roles entail, please contact me on 03 365 3200 or tom.burkitt@hindin.co.nz As our strap-line says, “Join us and make a difference for the environment, yourself, and your profession”. Go on – you’ll enjoy it.

EIANZ and NZIM Southern

Over the past 12 months EIANZ and the Southern Region of the New Zealand Institute of



Management (www.managementsouth.co.nz) have formed a strong relationship and are now hosting joint events. The three key reasons for building the relationship with NZIM are to 1) promote NZIM management and leadership training to environmental practitioners as part of their ongoing professional development, 2) to share knowledge amongst the Institutes and promote inter-organisation networking, and 3) to gain insight from NZIM Executive about how to build capacity within a professional institute. The NZIM is a mature and successful professional institute with a strong programme and value proposition for its members, and I am interested to learn from them and use the knowledge to build a stronger EIANZ Chapter. So far we're off to a good start, and I must thank Tom McBrearty, acting CEO of NZIM Southern and his predecessor, Kevin Vincent, for their commitment to building the relationship. I've been thrilled with their commitment to sustainability in business and interest in what EIANZ represents. I also wish to thank Patricia Thornton who has been actively involved in organising the joint events and allowing us to utilise the NZIM facilities in Christchurch.

Let me come back to the first reason for the relationship; professional development for environmental practitioners. Many of our members have jobs that require them to lead teams, run projects, communicate confidently, and lead organisational transformation. These are focal areas of the training programme at NZIM, and I believe strongly that we're better off aligning with the experts in this area rather than reinventing the wheel with this aspect of professional development. As a Group Manager for a team of environmental professionals I held memberships of both NZIM and EIANZ and found personal benefit in both. Some of you may too already.

So, we hope to build on the success in the south island and our Branch Coordinators are exploring ways to achieve this. In the meantime, watch out for a key breakfast function in Christchurch in September where we and NZIM Southern are to host a breakfast function on Sustainability and Business Transformation. Several eminent

business leaders have already committed, and it's set to be an exciting event!

EIANZ and the Energy Library

The NZ Chapter Executive is pleased to launch the first in a quarterly series of Environment Updates to our NZ members (find it circulated with this newsletter). These reviews are professionally compiled abstracts from a wide range of peer reviewed scientific periodicals and other sources. Each review will follow a theme aligned with our Institute's position statements, and in this UN International Year of Biodiversity, our first update is focussed on Biodiversity.

The Energy Library offers a full loan service. Simply email a request for articles in the review and they'll send you a copy. Many EIANZ members are already with companies or institutions with a membership of the Energy Library, so they can immediately access the service. If you are not a member, we recommend joining and taking advantage of what has proven to be a valuable service to other professional institutes, including IPENZ.

The Energy Library's extensive physical and electronic collection of books, standards, reports and journals covers the environment, energy, engineering, technology and business. It also has resources and access to information on energy efficiency and renewable energy, including biomass, geothermal, marine, solar, small hydro and wind energy technologies for large scale or microgeneration.

The Energy Library and Information Service is a not-for-profit organisation. This enables it to provide the most cost-effective and up-to-date information to all its clients across the board, including access to electronic information. Current membership includes both large and small companies with around 3000 borrowers in total.





REGISTRATION IS NOW OPEN

On behalf of the New Zealand Chapter of the Environment Institute of Australia and New Zealand (EIANZ), the conference organising committee invites you to Wellington, New Zealand for the 2010 EIANZ conference.

The title of the conference is "From Discovery to Delivery: Science, Policy, Leadership and Action". These are the four elements which together, are essential for sound environmental management.

Confirmed Keynote Speakers

Marilyn Waring, Peter Newman, Graeme Pearman
and Larissa Brown

Abstract submission is open within the following streams:

Wicked Problems | Urban Challenges | Valuing Ecosystems
Assessing And Monitoring Sustainability | Business Leadership | Motivating Communities To
Sustained Action

**FOR MORE INFORMATION, TO REGISTER AND SUBMIT AN
ABSTRACT PLEASE VISIT THE CONFERENCE WEBSITE AT**

www.confer.co.nz/eianz2010

Attached to this newsletter you will find a flier calling for papers, so please circulate this widely amongst your colleagues and friends



AUSTRALASIAN AND CANADIAN ENVIRONMENTAL PROFESSIONAL BODIES UNITE

As thousands of environment industry leaders, government representatives, procurement managers, engineers and corporate executives from around the world gathered at GLOBE 2010 last week, the Environment Institute of Australia and New Zealand (EIANZ) and ECO Canada signed a Memorandum of Understanding (MOU) to promote environmental practitioner leadership.

Here's the full press release:

LEADING THE CHANGE:

AUSTRALASIAN AND CANADIAN ENVIRONMENTAL PROFESSIONAL BODIES UNITE

Leadership on the Business of the Environment

Thousands of environment industry leaders, government representatives, procurement managers, engineers and corporate executives from around the world gathered at GLOBE 2010 in Vancouver, Canada last week to see the most cutting-edge solutions to the world's most pressing environmental challenges.

During this event, the **Environment Institute of Australia and New Zealand (EIANZ)** and **ECO Canada** signed a Memorandum of Understanding (MoU) to promote environmental practitioner leadership.

Never has there been a more tangible need for environmental practitioners to work together in promoting the highest possible professional standards, international standards, and certification.

This MoU highlights the growing interest in this profession in Australasia and Canada. As this interest grows, there is also an increasing need for the promotion and development of robust professional standards. Only through the implementation of professional standards in this **Green Collar Workforce**, will stakeholders and consumers have confidence and assurance in the service, advice, technology, products and science that environmental practitioners are providing to government, industry and the community. Whether the service is major environmental assessment or the installation of environmental products, the appropriate approach and standards must be applied.

Further, this MoU underscores the need for Green Collar Workers to continue to enhance their professional standing and receive continued and increased professional recognition. Both EIANZ and ECO Canada look forward to this collaboration and to providing unified professional leadership on the business of the environment in Australia, New Zealand and Canada.

REPORT FROM NEW ZEALAND COUNCILLOR – MAY 2010

Well here we are almost half way through another year – where do they go?!

An extraordinary Council meeting was held on 13 April, ahead of the scheduled meeting on 27 April. This meeting was to discuss the recommendations of the Staged Training for Environmental Professionals (STEP) Phase 1 Implementation Report. The STEP programme focuses on accelerating the progress of early-career environmental practitioners through to becoming a Certified Environmental Practitioner (CEnvP) and you can learn more about it in the 2008 Griffith University report, *Professional Development for Environmental Practitioners in Australia*, on the EIANZ website at <http://www.eianz.org/publications/other-publications>. With the assistance of additional state funding, the Australian Chapter has been able to

extend the thinking and fine tune the proficiency requirements for the STEP programme.

The Council accepted the overall direction of the programme and a smaller working group was set up; tasked to pull together a detailed Action Plan, using the report's recommendations, for submission to Council on 6 July 2010. The NZ Executive is keen to bring this work over here, perhaps in collaboration with a small number of like-minded organisations that share our interest in promoting high standards of environmental practice. Tom, our NZ President, and I agreed that we needed to have someone on the immediate working group and this is being followed up.

Looking out over the next couple of years we will need more NZ members involved. This will be an exciting and chunky piece of work to further establish the environmental profession in NZ and



Tom would love to hear from you if you are interested in being part of it.

The normal scheduled Council meeting was held on 27 April and Leo Fietje, as Institute Secretary, represented the NZ Chapter with apologies from Tom and me. It was a broad ranging meeting and the main topics of discussion were:

- Big ups to the NZ team organising the conference in Wellington in October this year – Anne Young from Central Office recently visited to check progress and advised our organisers are doing an excellent job.
- Membership services – ongoing improvements to the website including an interactive calendar of events and the journal online; development of a Style Guide for use by Chapters / Divisions in local communications activities; increasing international recognition with the signing of a Memorandum of Understanding (MoU) with the Society for the Environment (United Kingdom) later in the year
- Impact Assessment Special Interest Section – development of an MoU with the International Association of Impact Assessment (IAIA); work on Impact Assessment Certification under the CEnvP scheme
- Proposal to establish a Chief Executive Officer – being developed with EIANZ Executive ahead of circulation to Council
- Use of Proxy Councillors – a resolution will go to the Annual General Meeting (AGM) for ratification by the membership

- Membership fees – a small increase in fees next year to cover rising operational costs

Being the Councillor is a fascinating experience and has been a fantastic professional development opportunity, helping me secure my first commercial directorship late last year. I took over as the NZ Councillor from Leo Fietje in 2007, who represented us during the establishment of the NZ Chapter. Attending the face-to-face meeting in Melbourne in 2008 was invaluable and I learnt so much about the operational structure of EIANZ, the array of projects underway and the work of the environment profession across The Ditch. I now feel it is time to for someone else to take advantage of the same development opportunity Leo gave me. My intention is to stand down at the end of this year so that means I won't be seeking re-election at our upcoming AGM.

You can be Councillor from anywhere in New Zealand – all you need is a telephone and a computer. I'd be happy to discuss the role with you and there is plenty of time to learn what is involved before the AGM, including the opportunity to sit in on the next Council teleconference in July. Also, I won't be running away anywhere soon so can give you all the support you need as you come up to speed in the role. Please give me a call on (04) 526 3417 or (027) 241 0611 or drop me a line at buckwill@xtra.co.nz.

Jo Buckner

New Zealand Councillor

ISO 14005:2009- WHAT IS IT?

Jeska McNicol

The International Organization for Standardization (ISO) is currently developing ISO/DIS 14005.2 Environmental management systems -- Guidelines for the phased implementation of an environmental management system, including the use of environmental performance. As the title implies this Standard provides guidance to organisations implementing an environmental management system (EMS) using a staged or step-by-step approach. Once the Standard is finalised and implemented it will be known as ISO 14005:2009.

ISO 14005:2009- who would want to use these guidelines?

There is a history of phased implementation being used overseas including British Standard BS

8555:2003/Acorn and Enviro-Mark@NZ within New Zealand. Both have been successfully implemented within small, medium and large organisations within all industry sectors.

The current draft of ISO 14005 lays out the components of an EMS such as communication, competence, records, document control, identifying your significant environmental aspects, legal and other requirements etc. Within the components are suggested steps to implement each component. It is intended that the organisations using the guidance will implement the EMS in the order that the components appear in the Standard. Therefore, it is paramount that the order of the components reflects the way in which an organisation would logically implement an EMS.



ISO14005:2009- how does it fit in with ISO14001?

ISO14005 has been developed to promote the uptake of ISO 14001:2004 Standard to which organisations get certified against. There has been a history of low uptake of ISO 14001 when compared to other Standards such as quality and product safety certification. It is expected that once a organisation has followed the ISO14005 guidelines comprehensively then they would be in a position to obtain ISO14001:2004 certification.

ISO 14005:2009- how is New Zealand involved?

This Standard is at the enquiry stage of the development process. To become a finalised Standard it must undergo the approval and publication stages. This involved international consultation.

Standards New Zealand represents New Zealand's interests and ensures that the New Zealand viewpoint is considered. Standards New Zealand has convened the New Zealand International Review Group which is represented by a mix of industry and government. The Chairperson of this group is Howard Markland from the Ministry of Economic Development and will be representing New Zealand at the ISO technical committee meeting in July 2010 to be held in Mexico. This will include presenting to the committee on two topics: Encouraging EMS uptake by small and medium enterprises (SMEs) - a New Zealand Perspective and SME Research in New Zealand - Recent Findings Relevant to Environmental Management.

Jeska McNicol is representing the view of EIANZ members on the New Zealand International Review Group. If you are interested contributing your ideas then please contact Jeska by email: mcnicolj@landcareresearch.co.nz or phone: (03) 321 9893.

COOL RSS FEEDS FOR ENVIRONMENTAL PRACTITIONERS

Tom Burkitt

RSS feeds provide a quick way of keeping abreast of new stories without cluttering your inbox. You'll need to subscribe to these or other feeds using a News Reader. There are some online (e.g. Google Reader) and some that you install on your desktop. You can also use MS Outlook or Internet Explorer to subscribe to and view RSS feeds if you want to. Here're some background:

An Introduction to RSS Feeds: <http://rss.softwaregarden.com/aboutrss.html>

How to Use MS Outlook to Subscribe: <http://office.microsoft.com/en-us/outlook/HA101595391033.aspx?pid=CH100622171033>

Try out some of the feeds here or find more on the web. There're plenty of them!

Environmental News Network

http://www.enn.com/rss_feeds

The Herald Newspaper Environmental News

General http://rss.nzherald.co.nz/rss/xml/nzhrsscid_000000039.xml

Politics http://rss.nzherald.co.nz/rss/xml/nzhrsscid_000000280.xml

Kyoto http://rss.nzherald.co.nz/rss/xml/nzhrsscid_000000244.xml

Pollution http://rss.nzherald.co.nz/rss/xml/nzhrsscid_000000281.xml

Gary Taylor http://rss.nzherald.co.nz/rss/xml/nzhrsscid_001502887.xml

Climate Change http://rss.nzherald.co.nz/rss/xml/nzhrsscid_000000026.xml

NZ Government news

<http://search.newzealand.govt.nz/rss>

Min Environment News

<http://www.mfe.govt.nz/news/rss-feeds.html>



BBC Science and Environment

http://newsrss.bbc.co.uk/rss/newsonline_world_edition/science/nature/rss.xml

Guardian Newspaper

<http://www.guardian.co.uk/environment/series/guardian-environment-network/rss>

<http://www.guardian.co.uk/environment/rss>

UN Year of Biodiversity

<http://www.cbd.int/rss/?wpt=iyb>

Grist

<http://feeds.grist.org/rss/gristfeed>

us.oneworld.net

http://us.oneworld.net/dailyheadlines_rss

Newsdesk.org

<http://feeds.feedburner.com/newsdeskorg>

EcoEarth

<http://www.ecoearth.info/rss/ecoearth.xml>

BRANCH ITEMS

Wellington Branch

Innovative Freshwater Management A Summary of Key Points from the EIANZ Panel Discussion Held in Wellington on 23 March 2010

Panel Participants:

Facilitator: Dr Morgan Williams

Speakers: Dr Karlheinz Knickel, Dr Huhana Smith, Kevin Hackwell, Murray Mclea

Summary

The multitude of key issues surrounding freshwater management in New Zealand reflects the complexity of achieving improved freshwater management around economic, ecological, cultural and social values. Collaboration across all stakeholder groups was identified as the underlying driver to arrive at better outcomes. It was agreed that the community can influence outcomes significantly by driving action and making conscious choices concerning the use and management of water.

The Discussion

Dr Morgan Williams provided the context for the panel discussion by introducing the 'Framework of Planetary Boundaries' as discussed by scientists in a September 2009 Think Tank. The framework,

consisting of 9 boundaries, measures stress to the Earth. Three boundaries – loss of species, human induced climate change and disruption to the global nitrogen cycle are deemed to have been exceeded already. Freshwater together with forest conversion for agricultural crops, acidification of oceans and disruptions to the phosphorous cycle are considered to coming close to their boundaries.

The focus of the panel discussion was on freshwater management. Panel members were given three questions:

1. To name the key 1- 3 issues they see emerging
2. To describe emerging solutions
3. To share their vision for the next 10 years



The panel discussion was opened up to a wider discussion after each round of questions.

Key Issues

The diversity of the speakers' backgrounds was reflected in the diversity of issues they identified:

- Continuing modification to the landscape through land use intensification driven by urban and rural development. The drivers of land use intensification need to be addressed.
- The economic return on water has not necessarily increased over time
- Unsafe levels of E-coli and their potential risk to public health
- The complexity of agreeing and obtaining relevant water quantity and quality data – averaging out of data still shows a high level of quality while hiding alarming trends in some areas (e.g. the Manawatu was recently identified as one of the most polluted rivers amongst 300 rivers measured in the developed world). The European experience also shows that certain impacts on water quality caused by land use changes only show with a time lag of 30 – 40 years. As a result there are some considerable unknowns about the actual state of water quality in New Zealand
- Furthermore spatial diversity drives complexity and the need to find the right balance between partial and holistic approaches in assessing the overall state of freshwater
- Loss of traditional knowledge – in particular Maori knowledge - around sustainable management
- Governance across multiple levels – national – regional – local is disjointed
- More and more regions see full allocation of available water
- Loss of biodiversity
- Increasingly poor ecosystems functions
- Privatisation of the water commons
- Lack of agreed value of water or, more narrowly, the price of water
- Lack of knowledge/awareness of water intensive products (e.g. water footprint of some types of food).

Emerging Solutions

A common theme for all speakers was the need for improved collaboration across all stakeholders as well as multiple levels of governance. It was stated that forums like the Land and Water Forum have been given a unique opportunity to recommend

strategies based on multi stakeholder input and discussion.

Improved information capture and sharing as well as the use of different modelling tools like Mediated Modelling that could help to share knowledge and allow stakeholders, including iwi, to gain insights from each others' knowledge bases were cited as emerging solutions. The necessity to take an integrative approach combining economic, ecological social and cultural aspects was recognised.

It was further pointed out that New Zealand can benefit from the learning others have already had and investigate how for example the European freshwater management governance frameworks could be applied. These frameworks see a combination of high level policy givens and local empowerment to manage to best possible outcomes within the framework.

Improved efficiency around irrigation systems and water allocation based on the type of use/crop were mentioned together with possibilities to move New Zealand's agriculture from a commodity base to more of a value added base, thus increasing returns on water. Modelling of hydrological systems is improving but still needs to be better.

Urban planning principles need to include low impact design for water use and water quality. It is worth considering regulating land use for water quality in some places. Another option would be charge a resource rental for actual water abstraction or for access to the right to abstract water (i.e. to prevent a gold rush on resource consent allocations). The proceeds should be reinvested into improving the resource or used to subsidise others.

Contributions from the audience mentioned the need to make the water issue more real for people by providing better information – e.g. an analysis of how much water was needed over time and how much was likely to be available. It was recognised that the problem is socio political with a strong need to bring the community into the process of finding better solutions. Education and awareness building could start at an early age – the power of story telling and visualisation was mentioned. Once again New Zealand's relative isolation from international trends was brought up – countries like Australia have been forced through their immediate water crisis to mandate the use of water conserving appliances. Some of these appliances are not



easily available in New Zealand; their use could well be prescribed in building codes, etc.

The Vision

There was strong agreement on the need for collaboration and community involvement in finding

integrative and innovative solutions to freshwater management in New Zealand. The power of consumers might well drive change through emerging freshwater certification councils.

CONFERENCES AND TRAINING

EIANZ Annual Conference – From Discovery to Delivery

26-29 October 2010

Te Papa

Wellington

<http://www.confer.co.nz/eianz2010/>

EDS National Conference

Reform in Paradise II:

Environmental Reform and the Green Economy

2-3 June 2010

Aotea Centre,

Auckland.

<http://www.edskonference.com/>

VACANCIES

carboNZero Programme vacancy: GHG Verifier

The carboNZero Programme is seeking a qualified greenhouse gas verifier to support the certification team. This position is based in either Lincoln (Christchurch) or Auckland. Further details can be found at www.landcareresearch.co.nz/jobs or by contacting Jeska McNicol mcnicolj@landcareresearch.co.nz. Applications close on the 24 May 2010.

EIANZ NZ Chapter Sub-Committees

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Vacant

Policy and Program Coordinator:

Vacant

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