

Sustainability Matters

13th April 2017

A fortnightly selection of topical **news and views** about economic, social and environmental issues.
Designed especially for accountants and those who use the services of accountants.

Sustainability Matters is;

- Compiled and published by Ray Skinner of *Sustainability Matters*, providers of specialist services relating to sustainability and business support. **Business achieving a tomorrow for tomorrow's children.**

World's Largest Fund Manager Demands Cuts to Executive Pay and Bonuses

"The world's largest asset manager is threatening to unleash a fresh wave of shareholder rebellions in the UK unless Britain's largest companies rein in excessive boardroom pay.

"BlackRock is demanding cuts to director pension entitlements and an end to huge pay rises as UK companies prepare to put their latest pay deals to shareholders.

"In a letter to the bosses of more than 300 UK companies, the US fund manager said it would only approve salary rises for top executives if firms increase workers' wages by a similar amount. It is a significant intervention from a company which is a shareholder in every business listed on the FTSE 100 index. BlackRock has \$5.1tn (£4.2tn) of investments and describes itself as the world's largest fund manager.

"The company's head of investment stewardship in Europe, ... said in the letter that a failure to meet the standards outlined by the fund manager would call into question the quality of the board.....

"We consider misalignment of pay with performance as an indication of insufficient board oversight, which calls into question the quality of the board. We believe shareholders should hold directors to a high standard in this regard.'

More: www.theguardian.com/business/2017/jan/15/blackrock-demands-cuts-to-executive-pay-and-bonuses

Source: CSEAR Newsletter, page 11, 30th March 2017. ❖

Public Finance (Sustainable Development Indicators) Amendment Bill

The demise of the bill at its first reading was noted in the previous edition of *Sustainability Matters*. Sadly none of the major media outlets seem to have covered it. There are however eleven *YouTube* clips of speeches in the House. The first is by James Shaw, Co-Leader of the Green Party. It is a very interesting and excellent speech. He refers to Kennedy Graham drafting the Bill six years ago. Also to the GRI. He makes an interesting comment that China, if it had deducted pollution impacts from its GPD calculations, GDP would have reduced by 3%. He also refers to the UK, France, Stiglitz, Kennedy and others.

More: <https://www.youtube.com/watch?v=0HBMSSm6TFE> 10:36

Source: Tim Marshall, 1st April 2017

Editor: The lack of political interest (and perhaps of the media) was reflected in the low number of MP's in the chamber. ❖

THINK RESILIENCE Online Course

"There's a reason we started our *THINK RESILIENCE* online course with the subject of energy. After all, energy is at the heart of, well... everything. And the transition away from fossil fuels to other energy sources is probably humanity's most important project for the 21st century. ...

More: <https://education.resilience.org/>

Source: Post Carbon Institute, 28th March 2017

Editor: Listen to the 5 minute intro by Richard Heinberg. ❖

SUSTAINABILITY GROUP EVENTS

Next event – Date of webcast yet to be 'sorted'.



Announcements in 'due course'. ❖

New Zealand's Fresh Waters: Values, State, Trends and Human Impacts

"The Prime Minister's chief scientist, Sir Peter Gluckman, has highlighted harsh realities about the state of New Zealand's fresh water in a new report.

"A report by New Zealand's top scientist has urged politicians to address freshwater issues, which he says are clearly linked to intensive farming and urbanisation.

"Professor Sir Peter Gluckman, chief science advisor to the prime minister, has released a report analysing the health of New Zealand's freshwater based on existing science and data.

"It found clear evidence the freshwater estate was under pressure in terms of both water quality and quantity. There was a link between farming and declining water quality in pastoral areas, and contamination of urban waterways by expanding cities.

"New ways of using the land for economic gain needed to be found to meet New Zealanders' vision for freshwater, the report concluded.

"It would lead to a 'core policy dilemma' – can land continue to be intensified to meet economic goals while managing environmental effects, or would the drive for agricultural intensification need to be reviewed?

"This is a major and complex set of decisions for New Zealand which merits deep discussion beyond traditional political rhetoric.

"New ways of utilising our land for economic gain that also have lower environmental footprints need to be found and adopted if we are to meet the vision New Zealanders have for their fresh waters.'

"Professor Sir Peter Gluckman says farming intensification has contributed to water quality issues.

"Fixing the problems would require bold decision making and possibly a rethink of our economic strategy, with a quick fix being 'scientifically impossible'

"Major changes will be needed in some sectors of the economy, and in planning and consent activity. These changes will be neither instantaneous nor cost-free.'.....

More: www.pmcsa.org.nz/wp-content/uploads/PMCSA-Freshwater-Report.pdf 120 pages, 3.032Mb plus www.radionz.co.nz/news/national/328657/state-of-waterways-gone-past-tipping-point-report and www.stuff.co.nz/environment/91418638/top-scientist-fixing-freshwater-issues-an-enormous-challenge

Source: *Carbon News*, 12th April 2017. ❖

The Vanishing Nile: A Great River Faces a Multitude of Threats

"Author Richard Conniff writes about the threats now facing the Nile River on two fronts – a massive dam under construction upstream and rising sea levels leading to saltwater intrusion downstream. A \$5 billion, 6,000-megawatt dam scheduled to be completed later this year in Ethiopia could cut Nile water flow to Egypt by 25%, while rising sea levels in the Mediterranean are jeopardising the Nile delta, home to about 50 million people and an agricultural hub that produces 60% of Egypt's food. With Egypt's population set to double in the next 50 years, the decline of the Nile poses a life-threatening challenge.

More: <http://e360.yale.edu/features/vanishing-nile-a-great-river-faces-a-multitude-of-threats-egypt-dam>

Source: *Yale Environment 360*, 7th April 2017. ❖

Green Ribbon Awards 2017 Nominations Open

"The annual Green Ribbon Awards are held to recognise outstanding contributions by individuals, communities and organisations to protecting and managing New Zealand's environment.

"We all have a part to play in protecting and managing our environment. By sharing your story, you'll not only boost the profile of your work, you'll help to raise awareness of how individuals, groups and organisations can get involved and make a difference. ...

"Entries close on 10th May 2017.

More: www.greenribbonawards.org.nz/ and <https://blog.doc.govt.nz/2017/04/06/green-ribbon-awards-2017/>

Source: Tieke: ECO Alerts & Events, 29th March 2017. ❖

Nordic Stock Exchanges Recommend GRI

"In March 2017, Nasdaq's Nordic and Baltic Exchanges issued a framework to support their listed companies to meet ESG disclosure requirements. The guidance has a strong reference to GRI's sustainability reporting framework, and it reflects the recommendations of the UN Sustainable Stock Exchanges Initiative (SSE), in which GRI is also an active contributor.

"The Nordic and Baltic Exchanges in Stockholm, Helsinki, Copenhagen, Iceland, Tallinn, Riga and Vilnius issued a voluntary ESG Reporting Guide to support their companies address critical environmental, social and governance (ESG) related matters....

More: www.globalreporting.org/information/news-and-press-center/Pages/Nordic-Stock-Exchanges-recommend-GRI-Standards.aspx, plus http://business.nasdaq.com/media/ESG-Reporting-Guide_tcm5044-41395.pdf 36 pages and www.sseinitiative.org/

Source: GRI, 6th April 2017.

Editor: Lists 62 partner stock exchanges – NZ is not among them ❖

2016 Nestlé in Society Creating Shared Value

"Today [3rd April 2017] Nestlé published the 2016 edition of its annual *Nestlé in society: Creating Shared Value* full report. It follows the summary version published on 7th March 2017 ...

"These priority areas are used to identify issues material to Nestlé, and in turn inform the company's 42 commitments. For 2016, Nestlé updated its commitments to include objectives to be achieved by 2020, laddering up to the company's three overarching ambitions for 2030 in support of the United Nations Sustainable Development Goals (SDGs):

- Help 50 million children lead healthier lives;
- Help improve 30 million livelihoods in communities directly connected to the business; and
- Strive for zero environmental impact in its operations.

"New for this year, the 2016 report looks at the linkages between Nestlé's CSV approach and the 17 SDGs.

"This is Nestlé's third report prepared 'in accordance' with the comprehensive option of the GRI G4 guidelines, and the second year it reports against the United Nations Guiding Principles Reporting Framework, including on 11 salient issues.

More: www.nestle.com/asset-library/Documents/Library/Documents/Corporate_Social_Responsibility/nestle-csv-full-report-2016-en.pdf 179 pages. Plus GRI Report mapped to SDG's – 60 pages at www.nestle.com/asset-library/Documents/Library/Documents/Corporate_Social_Responsibility/nestle-gri-content-index-2016.pdf

Source: ReportAlert, 4th April 2017. ...❖

Net Zero New Zealand

"Green growth is the only growth path that allows humanity to develop while at the same time protecting our natural capital.

"Over the coming weeks, we are releasing a dynamic version of Net Zero New Zealand, authored by London-based Vivid Economics under contract to GLOBE-NZ. Along the way we will have analysis by some of our foremost Pure Advantage contributors and subject matter specialists. We are interested in your feedback and we hope it will stimulate discussion among experts, the private sector, and our local communities to develop practical actions.

"Please join us on this journey as we plot a course for a Net Zero New Zealand by 2050.

More: <http://pureadvantage.org/news/nznz/introduction/>

Source: Pure Advantage, 31st March 2017. ❖

Energy Management Journey

"EECA has launched a new online Energy Management Journey tool. It lets businesses benchmark themselves against their industry in minutes.

"Reducing energy usage requires knowing how well you are managing it. Our tool asks you to rate yourself on 6 key areas and compares your results against over 450 other businesses. You'll get recommendations on how to make a start, or to improve what you're doing now....

More: www.eecabusiness.govt.nz/tools/energy-management-journey/ plus www.eecabusiness.govt.nz/assets/Resources-Business/EEC3996-Energy-Management-Tool-Factsheet_FA-online.pdf

Source: SBN, 28th March 2017. ❖

CSR Deconstructed: Biomimicry

"....The term given for this biologically inspired approach to product design is 'biomimicry'. First coined by Janine Benyus, an American natural science expert and author of the 1997 classic, *Biomimicry: Innovation Inspired by Nature*, the term derives from the Greek 'bios' (meaning life) and 'mimesis' (imitation). The core premise is that nature is the supreme innovator, constantly adapting and evolving to meet changing circumstances and to solve enduring challenges such as energy generation, food production, climate control and transportation. Among biomimicry's key concepts is the idea of function, a reference to the 'roles played by a living system's unique strategies that enable it to survive'. A related concept is that of biological strategy, which relates to a 'characteristic, mechanism or process that performs a function for an organism or other type of living system'. The Biomimicry Institute a US-based education and advocacy organisation that was co-founded by Benyus, has put together a list of 15 such strategies. Titled 'Life's Principles', they include concepts ranging from free energy and cyclical processes to resilience and cross-pollination.

"As well as product design, biomimicry is becoming rapidly adopted by

"If that all sounds a little whimsical and abstract, then take a break from your screen a minute and step outside. As Albert Einstein once advised: 'Look deep into nature and you will understand everything better'.

More: The Spring Analysis Series Pages 22-25. Registration required at www.ethicalcorp.com/

Source: Ethical Corp, 25th March 2017. ❖

Access to Nature Reduces Depression and Obesity, Finds European Study

"People living close to trees and green spaces are less likely to be obese, inactive, or dependent on anti-depressants, according to a new report.

"Middle-aged Scottish men with homes in deprived but verdant areas were found to have a death rate 16% lower than their more urban counterparts. Pregnant women also received a health boost from a greener environment, recording lower blood pressures and giving birth to larger babies, research in Bradford found.

"Overall, nature is an under-recognised healer, the paper says, offering multiple health benefits from allergy reductions to increases in self-esteem and mental wellbeing. ...

"Previous US research has found that that hospital patients with tree views from their windows were discharged a day earlier than those whose rooms faced walls.

"An extra 10 trees on a Toronto city block provided health benefits to residents equivalent to a \$10,000 increase in annual income, or being seven years younger, another study in 2015 found.

More: www.theguardian.com/society/2017/mar/21/access-nature-reduces-depression-obesity-european-report

Source: Lisette Rawson, Facebook share, 27th March 2017. ❖

How Change Happens

More: www.goodreads.com/book/show/29952687-how-change-happens plus <http://how-change-happens.com/> 192 pages, published 1st December, Oxford University Press, USA

Source: Oxfam, 27th March 2017. ❖

STRATEGY – Do we Need Hacking Insurance?

".... You can limit your business' exposure to this threat. The basics are these:.....

More: <http://sustainable.org.nz/sustainability-news/strategy-do-we-need-hacking-insurance>

Source: SBN 28th March 2017. ❖

Managing Risk by Taking a Lead and Managing the Future

"Deputy Crown Prince Mohammad bin Salman Al Saud, at age 31, is the driving force behind Saudi Arabia's radical economic experiment.

"If his plans succeed, he'll also be the world's largest impact investor. And like any impact investor, the deputy crown prince's ESG strategy (environment, social, governance) is at the centre of his thinking. More than that, his approach is opening up a new front in the effort to address global climate change

"At the core of the youthful prince's strategy is the historic initial public offering (IPO) for Saudi Aramco, the kingdom's national oil company. Slated to value the fossil fuels giant somewhere between \$1 trillion and \$1.5 trillion, the story of the IPO itself (and the record fees for floating it) has eclipsed the fact that the owner of the world's largest oil company is, in effect, divesting a portion of its interest (5%, initially) and preparing to invest the proceeds in a cleaner, greener, more resilient economic hypothesis. ...

"Orderly or disorderly, the endgame is clear: The world, sooner than expected, will stop using Saudi Arabia's primary product and source of revenue. ...

"What the prince cannot control, however, is how fast and how orderly the rest of the international community transitions away from the 20th century combustion economy. This is where the choices he makes with the externally invested half of the investment fund will be critical.

"While some of his advisors may counsel him to be cautious and invest in new-economy public equities such as Apple and Google, the time for caution is past. Saudi Arabia would be better served by partnering with other impact-oriented sovereign wealth funds, institutional investors and even the multi-trillion dollar Divest/Invest coalition to help create the conditions around the world for a more rapid and predictable global transition to sustainability.

"Prince Mohammed bin Salman's radical experiment must succeed. And it can, as large-scale investors realise their inability to hedge overwhelming risk and start investing in a more strategic way.

More: www.energyts.com/snippets/20170406/story1.html

Source: *SnippETS*, 6th April 2017. ❖

An Opportunity for PhD Funding

"An Opportunity for PhD funding has arisen in the realm of Environmental and Social accounting with Skanska UK, a leading construction and development company with expertise across a variety of building, civil and infrastructure projects. The PhD would focus on enabling embedding natural and social capital accounting within strategic decision making and reporting processes.

Contact: Jake.Atkinson@skanska.co.uk for further information or to submit a potential proposal

Background: www.skanska.co.uk/about-skanska/skanska-in-the-uk/history/

Source: CSEAR Newsletter, page 3, 30th March 2017. ❖

Update: Creating Living Buildings – Professional Short Course

The previous edition of *Sustainability Matters* referred to the above course. However the quoted website reference became defunct and there is no other web site about the course. Therefore to assist anyone who might be interested a flyer supplied is attached to this mailing.

When/Where:

- Christchurch, 15-16 August, ARA Institute of Canterbury
- Auckland, 23-24 August, AUT & Otago Polytechnic

More: See attachment accompanying this mailing

Source: Jerome Partington 2nd April 2017. ❖

Healthy Soil – Real Key to Feeding the World

"One of the biggest modern myths about agriculture is that organic farming is inherently sustainable. It can be, but it isn't necessarily. After all, soil erosion from chemical-free tilled fields undermined the Roman Empire and other ancient societies around the world. Other agricultural myths hinder recognising the potential to restore degraded soils to feed the world using fewer agrochemicals.

"When I embarked on a six-month trip to visit farms around the world to research my forthcoming book, *'Growing a Revolution: Bringing Our Soil Back to Life'*, the innovative farmers I met showed me that regenerative farming practices can restore the world's agricultural soils. In both the developed and developing worlds, these farmers rapidly rebuilt the fertility of their degraded soil, which then allowed them to maintain high yields using far less fertiliser and fewer pesticides.....

- Myth 1: Large-scale agriculture feeds the world today
- Myth 2: Large farms are more efficient
- Myth 3: Conventional farming is necessary to feed the world

"Conventional farming practices that degrade soil health undermine humanity's ability to continue feeding everyone over the long run. Regenerative practices like those used on the farms and ranches I visited show we can readily improve soil fertility on both large farms in the U.S. and on small subsistence farms in the tropics.....

"Once we see through myths of modern agriculture, practices that build soil health become the lens through which to assess strategies for feeding us all over the long haul. Why am I so confident that regenerative farming practices can prove both productive and economical? The farmers I met showed me they already are.

More: <https://theconversation.com/healthy-soil-is-the-real-key-to-feeding-the-world-75364>

Source: *Carbon News*, 6th April 2017. ❖

The Sustainable Food Film

"Looking for a good documentary on sustainable food? I am sure you are – who wouldn't be Well here's one – *'Sustainable'*. The film focuses on Marty Travis, a seventh-generation farmer in central Illinois who watched his land and community fall victim to the pressures of big agribusiness. Determined to create a proud legacy for his son, Marty transforms his profitless wasteland and pioneers the sustainable food movement in Chicago. You can watch it on Netflix or Amazon, or go straight to the films website and rent it direct.

More: <http://sustainablefoodfilm.com/> plus www.hollywoodreporter.com/review/sustainable-film-review-904230 and www.imdb.com/title/tt5684868/plotsummary 'It is a story of hope and transformation, about passion for the land and a promise that it can be restored to once again sustain us.' 95 minutes

Source: Ian Challenger, April Newsletter, 6th April 2017. ❖

Sustainable Business Outlook 2017: Get Ready For the New World, Right Here, Right Now

"In this period of intense creative destruction, macro-level challenges such as climate change and inequality are intensifying. But new models, values and technologies are emerging and combining to forge new, sustainable systems.

"In this report, we take a systemic approach. We highlight nine factors that are influencing the future. Each factor can play a critical role in accelerating positive change right now (and in the next two or three years). But it's vital not to view the factors in isolation, they are interconnected.

"For each factor we summarise what's been happening in the last year, provide evidence of 'signals of change' and highlight the key implications for business. From blockchain to plant power, from Chinese policy to people power, harnessing these areas of high change potential will help your business build resilience and reinvent the way the world works – for good....

More:

www.forumforthefuture.org/sites/default/files/files/LObusine_ss_outlook_2016_new_artwork_lr.pdf 28 pages

Source: CSEAR Newsletter, page 9, 30th March 2017. ❖

An Inconvenient Sequel: Truth To Power with Al Gore

"The first official trailer for *An Inconvenient Sequel: Truth to Power* was released on Tuesday [28th March]. The timing of the clip's release comes at a crucial point for climate change discussion, it dropped the same day Donald Trump signed an executive order to rescind Obama's Clean Power Plan and a host of other climate-related regulations.

"The trailer opens with a clip of Trump mocking climate change while on the campaign trail. 'It's supposed to be 70 degrees today, it's freezing here. Speaking of global warming, where is – we need some global warming. It's freezing,' he jokes.

"The new clip reviews some of the progress made since Al Gore's Oscar-winning documentary, *An Inconvenient Truth*, came out in 2006. Gore recalls being criticised about a scene from the first film that showed 'that the combination of sea level rise and storm surge would flood the 9/11 Memorial site and people said, 'What a terrible exaggeration.' The next scene shows 2012's Hurricane Sandy causing exactly what was predicted.....

"Though positive steps have been made, Gore says, 'it's still not enough.' Later in the clip, Trump is again seen from the campaign trail making promises to cancel 'billions in climate change spending' and a plan to 'end the EPA'. The clip concludes with scenes of protests, a growing resistance and Gore's empowering speeches all leading to a call to action: 'Fight like your world depends on it.' ...

More: www.rollingstone.com/movies/news/see-an-inconvenient-truth-sequel-trailer-take-on-trump-w474184 2:31

Source: Gareth Morgan, Facebook share, 30th March 2017. ❖

The Case for Fossil Fuel Divestment

On Tuesday 11th April Auckland Council voted to divest their investments in coal oil and gas. For the last two years 350.org Auckland has been calling for the Council to ditch their investments in these sectors.

Before the council meeting 350.org Auckland said it was crunch time. They added 'Auckland Council has ~\$15 million invested in companies like ExxonMobil and Anadarko. These companies are knowingly causing dangerous climate change, and are on course to making our world unlivable for future generations. If it's wrong to wreck the planet, then it's wrong for Auckland Council to be a part of it. When our public institutions pull their money out of fossil fuels, they make a powerful statement that extracting and burning fossil fuels is no longer acceptable to society'

350.org say they produced an 'awesome' report on why the Council should divest.

More: <https://campaigns.gofossilfree.org/petitions/urge-auckland-council-to-divest-from-fossil-fuels> Well researched. Easy to read. Worth reading. 33 pages, 16.875Mb, plus <http://1qa2mvtvkvk1tuyv1mwvx1dmd.wpengine.netdna-cdn.com/files/2017/03/The-Case-for-Fossil-Fuel-Divestment.pdf> and <http://www.scoop.co.nz/stories/PO1704/S00119/auckland-council-pulls-funding-from-oil-gas-coal-companies.htm>

Source: 350.org Auckland, 5th and 11th April 2017

Editor: Council is also screening out 'high sugar, low nutrient products on top of direct exclusions'. More at www.newsroom.co.nz/2017/04/11/18997/auckland-council-may-cut-investments-in-sugar-products ❖

Environmental Film Festival – Palmerston North

"Every year people make great films telling environmental stories the world needs to hear. This year Reel Earth is presenting the showcase of the best recent environmental films, illuminating a range of issues that are important to us; from climate change to animals rights. They'll screen in Palmerston North and Feilding, Manawatu during May. The successful Watch&Talk series with environmentalists is back, meet filmmakers, and there are special events for kids and youth.

More: www.reelearth.org.nz ; 14 movies

Source: Tieke: ECO Alerts & Events 12 April 2017. ❖

What Are We Without Our Special Things?

"By [Carbon News] publisher ADELIA HALLETT. Thirty years ago today [31st March], New Zealand was on the verge of a breakthrough in environmental management.

"Yet our latest OECD environmental assessment gives us a fail mark in many key areas, including rising greenhouse gas emissions, declining water quality and the highest rate of biodiversity loss in the world.

"Both the Department of Conservation and the Ministry for the Environment came into being on April 1, 1987.

"They were part of a massive government restructuring, and were set up to provide the country with top-class environmental management. ... [Copyright]

More: www.carbonnews.co.nz/story.asp?storyID=12156

Source: *CarbonNews*, 31st March 2017. ❖

Trust in Crisis

"The 2017 Edelman Trust Barometer reveals the largest-ever drop in trust across the institutions of government, business, media and NGOs in the 17 years of the survey.

"Directors grappling with the implications of a rising tide of populist sentiment will not be surprised by the findings, which the researchers describe as a 'global implosion of trust'.

"More than half of the respondents to the global survey – run across 28 countries, with over 30,000 respondents, dividing the survey between 'informed public' and 'mass population' (see below) – believe that the current system has failed them and is unfair.

"The survey also found the credibility of leaders was at its lowest level – CEO credibility fell to an all-time low of 37% globally but far lower in Australia at 26%. The survey report draws out ten key insights from the 2017 data:

1. Trust in Crisis:
2. Trust inequality:
3. A broken system:
4. Concerns and fears:
5. Failing system + fear = action:
6. The media echo chamber:
7. Peers highly credible:
8. Business adds to fears:
9. High expectations for business:
10. With the people:

"75% of global respondents agree companies can both increase profits and improve economic and social conditions. The survey also outlines five actions that businesses must avoid to further damage trust:

1. Paying bribes
2. Paying executives hundreds of times more than workers
3. Moving profits to other countries to avoid tax
4. Overcharge for essential products and services
5. Lower costs by reducing quality of products.

"In discussing the Australian results, Edelman notes: 'Business now has a clear opportunity to rebuild trust by recognising the need to do things differently. We must forget the neat separation of communication and executive function. We need a holistic approach that puts people at the centre of engagement, not just as one more audience to be reached.'

More:

<http://aicd.companydirectors.com.au/advocacy/governance-leadership-centre/external-environment/trust-in-crisis> plus www.edelman.com/trust2017/

Source: Caroline Spencer, LinkedIn Members – Chartered Accountants ANZ, 29th March 2017. ❖

Contributions and feedback are welcomed.

Send your news items, handy hints, case studies, suggestions, comments and questions to Ray Skinner of *Sustainability Matters*.
eMail: ray@sustainabilitymatters.co.nz Phone: +64 (09) 443 0773 Web: www.sustainabilitymatters.co.nz

Creating Living Buildings – Professional Practice Short Course Dunedin

Otago Polytechnic



Kia ora and hello – would you like to learn about Living Buildings and Integrated Design Process in Aotearoa NZ?

This engaging and interactive Professional Practice short course aims to share valuable information, great experience and inspire you to play your part in creating a sustainable future for Aotearoa. Graduates of the course have been designing Net Zero Energy homes and building Flagship Living Education Centres.

The course is offered to architects, construction professionals, design professionals, engineers, product suppliers, clients and community workers enabling diverse and rich dialogue whilst learning to create authentic sustainable projects and outcomes.

This is a two day block course on the Living Building Challenge and Integrated Design for people who want to transform their practice of sustainable construction and deliver restorative projects.

As a Practitioner course, students are encouraged to apply the learning to a project. Follow up webinars support your learning and project implementation. The course offers deep understanding and practice of;

- How can we live sustainably on this planet?
- The Living Building Challenge goals as drivers for positive change of our buildings and communities
- Lots of case studies
- The challenges and solutions to achieving the goals in NZ
- How do we work together to create the best outcomes for the budget, time and quality constraints?

Students are supported in applying their learning on real projects with bi-weekly webinars over two months.

Course work submission; A Learning journal reflecting & capturing the learning as you apply the knowledge and process to your project.

Dates and venue:-

Auckland Wednesday and Thursday 23 & 24 August 2017 AUT Auckland CBD

Christchurch Tuesday and Wednesday 15 & 16 August 2017 ARA Institute of Canterbury

Places are limited to 20 students. More info and registration here

<http://www.op.ac.nz/study/sustainable-practice/creating-living-built-environments-short-course/>

NZRAB 80 CPD Points for Architects.

Some EECA 50% Bursaries are available for small businesses and masters students. Please email us.

Need more info?

- Steve Henry 021 705 873 Convenor Steve.Henry@op.ac.nz Auckland
- Bernadette Muir 021 403
635 Convenor Bernadette.Muir@ara.ac.nz Christchurch
- Jerome Partington 021 716 212 Tutor jnpartington@gmail.com Auckland