



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

Bioenergy Association of New Zealand (BANZ),

**NIWA
&
The University of Waikato**

**Biogas 2008 Conference
10 July 2008**

**“Biogas 2008 – production, use and realizing
the NZ potential”**

**Hamilton,
New Zealand**

**‘Who’s Who in NZ Biogas’
- your guide to networking**

Attendees

Speakers

1. Brian Cox, Executive Officer, BANZ (and East Harbour Management Services)
2. Mike Suggate, Chairman, BANZ (and East Harbour Management Services)
3. Jurgen Thiele, Waste Solutions Ltd.
4. Ken Hulls, Natural Systems Ltd.
5. Rupert Craggs, NIWA
6. Mark Lieffering, Agresearch
7. Rocky Renquist, Crop & Food Research
8. Humphrey Archer, CH2M BECA Ltd.
9. Bernice Chapman, Waste Solutions Ltd
10. Mike Jayne, Entec Services Ltd.
11. Brian Clarke, Watercare Services Ltd.
12. Frank Scrimgeour, The University of Waikato
13. Sean Molloy, Greenlane Biotech / Flotech Ltd.
14. Andrew Thorp, Cenaught Ltd.
15. John Harrison, Cenaught Ltd.
16. Stephan Heubeck, NIWA

Delegates

1. Gary Wilson, Garnet (New Zealand) Ltd
2. Bill Lovell, HERA
3. Garry Waghorn, DairyNZ
4. Kate French, DairyNZ
5. James Young, Biogas Energy Limited
6. Darren Wright, Biogas Energy Limited
7. Siegfried Zoellner, Vector Ltd
8. Wymond Symes, Catalyst R&D Ltd.
9. Chris McArthur, EECA
10. Kirk Archibald, EECA
11. Ting Liu, EECA
12. Martin Garrood, EECA
13. Tomo Reed, EECA
14. Robyn Walker, Opus International
15. Griff Rose, Rural Industries Research and Development Corporation, AUSTRALIA
16. Ralph Leutton Rural Industries Research and Development Corporation, AUSTRALIA
17. Richard Weld, Lincoln Ventures Ltd
18. Rupinder Singh, Lincoln Ventures Ltd
19. Rilke de Vos, NIWA
20. Nick Bain, NIWA
21. Jason Park, NIWA
22. Bob Weston, Entec Services Ltd.
23. Neale Spranger, Entec Services Ltd.
24. Loren Poole, Bioform Ltd/Biogas Industries Ltd
25. Karl Hartman, Distributed Energy and Waste Systems
26. Bruce Sutherland, Distributed Energy and Waste Systems
27. Allan MacDonald, Distributed Energy and Waste Systems
28. Justin Sollit, Energen Solutions Limited
29. Kevin Wood, Maunsell Limited
30. Warwick Cutfield, Maunsell Limited
31. Richard Gapes, Maunsell Limited

32. Guenter Wabnitz, Maunsell Limited
33. Allan McCreadie, Armadillo Engineering Ltd
34. DM Greensill
35. Shane Carter, Wallace Corporation Limited
36. Alastair Brookes, Manukau City Council
37. Murray Cowan, Ernslaw Bioenergy Ltd
38. Bindi Ground, Waratah Farms Ltd
39. Alexander Longuet-Higgins, Turvey Company Ltd
40. Julia Seddon, INGHAMS Enterprises, AUSTRALIA
41. Boram Keam, INGHAMS Enterprises (NZ Pty Ltd).
42. Philip Gedye, RCR Energy Ltd (plus one additional attendee)
43. Alec Dondertman, Windy Farm Ltd
44. Albert van Oostrom, Albert van Oostrom & Associates
45. Jim Maddox, Integrated Waste Solutions
46. Hanh Le, Ministry of Economic Development
47. Tony Frost, Ministry of Transport
48. Elizabeth McGruddy, Massey University + NZ Pork Industry Board
49. Shusheng Pang, University of Canterbury
50. Steve Brewster, Waste Solutions Ltd.
51. Steve Laubsher, Waste Solutions Ltd.
52. Jonas Hjertquist, Waste Solutions Ltd.
53. Chris Hearn, Waste Solutions Ltd.
54. Sean Connaughton, Waste Solutions Ltd.
55. Graeme Anderson, Landcare Research
56. Peter Davey, Innovation Waikato Limited
57. Tony Rhodes, PGG Wrightson Consulting
58. Kimbal McHugo, Genesis Energy
59. Jay Divakar, Genesis Energy
60. Blair Dickie, Environment Waikato,
61. Jonathan Caldwell, Environment Waikato
62. Barry Campbell, Environment Waikato
63. Bala Tikkisetty, Environment Waikato
64. Neil Peterken
65. Richard Chilton, Chilton Farms Ltd.
66. Michael Schruer, Nelson Regional Sewerage Business Unit
67. Bruce Rowntree, Hawkes Bay Protein Ltd
68. Alistair Broughton, Duffill Watts Consulting
69. Tony Fleming, Duffill Watts Consulting
70. Peter Brown, PFS Consultants Ltd
71. Rob Fullerton, BECA Infrastructure Ltd.
72. Caroline Crosby, BECA Infrastructure Ltd.
73. Nick Berry, BECA Infrastructure Ltd.
74. Michael Higgins, Baltune Forest Ltd.
75. Jason Palmer, PIC New Zealand Ltd.
76. Hans Burggraaf, Page Macrae Engineering
77. Ash Deshpande, Harrison Grierson Consultants Ltd.
78. Stephen Shivas, N&EE Reid
79. Andrew Hosken, N&EE Reid
80. Bill Black, Energy for Industry
81. Martin Mould, Hamilton City Council (plus 2 additional attendees)
82. Christopher Brown, CHH Kinleith Mill
83. Warren Blakemore, CHH Kinleith Mill
84. Owen Schicker, ANDAR Holdings Ltd.
85. Steve Broadbent, Greenlane Biogas / Flotech
86. Hayden Mack, Greenlane Biogas / Flotech
87. Matea Naus, Greenlane Biogas / Flotech

88. Don Duff, Greenlane Biogas / Flotech
89. Martin Brasell, Ministry for the Environment
90. Jack Ballagh, Fonterra Co-Operative Ltd.
91. John Russell, Fonterra Co-Operative Ltd.
92. Ron Hamilton, Fonterra Co-Operative Ltd.
93. Martin Rump, Agfirst Waikato
94. Dave Stewart, MWH New Zealand Ltd.
95. Simon Coughlan, Rose & Heather
96. Fiona Crombie, Solid Energy New Zealand Ltd.
97. Albert Cheah, GDH Limited
98. Cameron Walker, Cenaught Ltd.
99. John McBride, Poultry Advisory Service
100. Brian Tubman, Tubman Heating Services Ltd
101. Selwyn Wong, Sinclair Knight Mertz
102. Neil Keating, Rural News Group
103. Jamie Short, Connell Wagner
104. Per Nielson, Nielson Marketing Ltd.
105. Eddie Deetlefs, Watercare Services Ltd
106. Estera Sparchez, Watercare Services Ltd
107. Trevor Rudolph, Watercare Services Ltd
108. Kristian Slack, InnovIQ Ltd
109. Jo Buckner, Ministry of Agriculture and Forestry
110. Diana Mathers, Ministry of Agriculture and Forestry (Sust. Farming Fund)
111. John Dudli, University of Waikato
112. Hugh Morgan, University of Waikato
113. Steve Bundred, Waikato Breeding Co. Ltd.
114. Cory Leatherland, Lakeland Steel Products
115. Allan Escourt, Allan Escourt Ltd.
116. Jo Knight, Zero Waste New Zealand Ltd.
117. Ross Prestidge, Pure Power Technology Ltd
118. Helene Belanger, Pure Power Technology Ltd
119. Murray Higgs, Structurflex Limited
120. Elena Osborne, Structurflex Limited
121. Daryl Irvine, Pattle Delamore Partners Ltd
122. Steve Tritt, New Zealand Trade and Enterprise
123. Simon Thomson, Enviroschools
124. Ken Bartlett, Livestock Improvement
125. Bruce Rowe
126. Sheree Anderson, Scion

Speakers

Company / Organisation Name	
Bioenergy Association New Zealand	
Attendee name and contact details	
Name	Brian Cox, BANZ Executive Officer and Mike Suggate, BANZ Chairman (current)
Address	PO Box 1159 Manners Street, Wellington 6142, New Zealand
e-mail	brian.cox@bioenergy.org.nz
tel / fax	Ph: +64 (4) 385 3359 / Fax: +64 (4) 385 3397
Please provide an outline of your activities / interests in relation to biogas.	
www.bioenergy.co.nz	

Company / Organisation Name	
East Harbour Management Services (EHMS)	
Attendee name and contact details	
Name	Brian Cox and Mike Suggate
Address	Level 8, CMC Building, 89 Courtenay Place, Wellington
tel / fax	Tel 04 385 3359, Fax 04 385 3397, Mob 027 4771048
e-mail	brian.cox@eastharb.co.nz
Please provide an outline of your activities / interests in relation to biogas.	
<p>Strategic/commercial development of bioenergy projects from investigation through to commercial closure. Have investigated a range of biogas opportunities including from poultry litter, food processing residues and piggery effluent.</p> <p>Provide Executive Officer services to the Bioenergy Association.</p> <p>Provide Government with advice and information on bioenergy opportunities, markets and resource utilisation.</p>	
What are you interested in finding out at the Workshop?	
Update on current practices and see how other opportunities have worked technically and commercially.	

Company / Organisation Name	
Waste Solutions Ltd	
Attendee name and contact details	
Name: Dr Jürgen H Thiele	
Address: 265-269 Princes Street, Box 997, Dunedin	
e-mail: Jurgen.thiele@wastesolutions.co.nz	
tel / fax: + 64 3 477 2375 / + 64 3 479 2249	
Please provide an outline of your activities / interests in relation to biogas.	
<p>R& D Manager for Waste Solutions Ltd</p> <p>Active Development programs in the following areas:</p> <ul style="list-style-type: none"> ➤ Biogas process development and implementation (0.01 MW to 30 MW) ➤ New low cost digester systems with high eco-efficiency ➤ New feedstocks and waste materials for large scale digestion plants ➤ Manure digestion (small and large systems) 	

<ul style="list-style-type: none"> ➤ Dairy waste digesters ➤ Food waste digestion plant and processes ➤ Municipal solid waste digestion ➤ Processing waste digestion (meat and dairy; rendering waste) ➤ New, non food crops as digester feedstocks (usable after arrival of peak oil).
What are you interested in finding out at the Workshop?
Interested parties with control/access over/to waste resources with interest to maximise the return of biogas recovery from waste materials. New technology/business models for cost effective/profitable biogas end-use in NZ.

Company / Organisation Name
Natural Systems Ltd
Attendee name and contact details
Name: Ken Hulls
Address: 40A Waiohua Rd, Greenlane, Auckland
e-mail: kenhulls@xtra.co.nz
tel / fax: 021 188 5633
Please provide an outline of your activities / interests in relation to biogas.
Production of integrated digester (for dairy farm effluent), biogas genset, with option for ice bank for energy storage and rapid chilling of milk. Genset fires automatically with Biogas pressure and is automatically synched to grid for export when on farm use is exceeded. Energy auditing as integral party of digester and electrical system design.
What are you interested in finding out at the Workshop?

Company / Organisation Name
NIWA
Attendee name and contact details
Name: Rupert Craggs and Stephan Heubeck
Address: PO Box 11-115, Hamilton
e-mail: r.craggs@niwa.co.nz
tel / fax: 07 859 1807
Please provide an outline of your activities / interests in relation to biogas.
Pond-based anaerobic digestion of organic wastewater solids Biogas capture and use Biogas production from algae
What are you interested in finding out at the Workshop?

Company / Organisation Name
Agresearch
Attendee name and contact details
Name: Mark Lieffering
Address: Grasslands, Tennent Drive, Palmerston North
e-mail: mark.lieffering@agresearch.co.nz
tel / fax:
Please provide an outline of your activities / interests in relation to biogas.
Rural energy supply, dealing with dairy and other 'waste'.
What are you interested in finding out at the Workshop?

What is happening in the biogas area in N.Z.

Company / Organisation Name
NZ Institute of Crop & Food Research Ltd, trading as: Crop & Food Research
Attendee name and contact details
Name: Rocky Renquist
Address: Crop & Food Research, Private Bag 11600, Palmerston North 4442
e-mail: renquistr@crop.cri.nz
tel / fax: 06 355 6208 / 06 351 7050
Please provide an outline of your activities / interests in relation to biogas.
<p>Crop & Food climate change research in areas like soils and high dry matter forage crops has significant overlap with bioenergy R&D. I have widely analysed the NZ energy sector, especially biofuel options, and am convinced that biogas is the fuel option that reduces GHG the most and also the only biomass conversion to fuel that could be brought on line in the next 5 years in the event of disruption to oil supply. I am actively collaborating to raise awareness of this among rural interests, who will be the natural champions of biogas when they realise its potential to meet energy needs on farms and for much rural transport if extensive use is made of manures, arable crop residues and energy crops.</p> <p>My research interest is to test anaerobic digestion of arable residues and also to develop truly sustainable crop rotations that address concerns by mixing purpose-grown energy crops with food crops. Such energy crops would be required to scale up of production of biogas to supply rural transport. Arable crop annual growth rates can be double that of forests, but high dry mass needs to be achieved for future energy crops that use much lower inputs than currently required to grow maize silage.</p> <p>Opportunities for collaboration include: integrating manure management with co-digestion of arable crops that give much higher biogas yield; linking biogas production to that of high-oil algae for biodiesel (Crop & Food has expertise in growing wastewater strains of algae); testing bio-nitrogen fertilisers made with N stripped from anaerobic digesters; and engineering processes for biogas conversion to convenient transport fuels.</p>
What are you interested in finding out at the Workshop?
The latest findings in the several areas I identified as opportunities for collaboration.

Company / Organisation Name
CH2M Beca Ltd
Attendee name and contact details
Name: Humphrey Archer
Address: PO Box 13960, Christchurch
e-mail: humphrey.archer@beca.com
tel / fax: 03 374 3162/03 366 3188
Please provide an outline of your activities / interests in relation to biogas.
Design of anaerobic sludge digesters in municipal wastewater treatment plants operating at mesophilic and thermophilic temperatures, plus design of industrial anaerobic contract reactors using membrane covered lagoons. Biogas utilisation using boilers or cogen sets.
What are you interested in finding out at the Workshop?
Opportunities for further development of anaerobic technologies and biogas usage in NZ.

Company / Organisation Name
Waste Solutions Ltd
Attendee name and contact details
Name: Bernice Chapman
Address: 1 st Floor, John Wickliffe House, 265-269 Princes Street, PO Box 997, Dunedin 9054

e-mail: Bernice.chapman@wastesolutions.co.nz
tel / fax: tel 03 477 2375 / fax 03 477 4236
Please provide an outline of your activities / interests in relation to biogas.
I work mainly on waste-to-energy projects with a focus on anaerobic digestion of organic waste streams. These include animal manure, biofuel/ethanol production wastewaters, and municipal sewerage. The biogas generated is used as a diesel replacement for transport or heating purposes, or for electricity production.
What are you interested in finding out at the Workshop?
The current status of biogas use in New Zealand and the future potential.

Company / Organisation Name
Entec Services Limited
Attendee name and contact details
Name: Mike Jayne
Address: PO Box 76160, Manukau City
e-mail: mike@entec.co.nz
tel / fax: 09 262 2472
Please provide an outline of your activities / interests in relation to biogas.
Long-standing provider of packaged systems for power generation and cogeneration from biogas from "traditional" sources such as WWTP and Landfill. Traditionally we have offered large systems (200kW and above), we are currently assessing viability of smaller systems.
What are you interested in finding out at the Workshop?
Developments with Biogas in newer fields such as Agricultural and Waste Processing. Meeting other parties with complementary products/services. Networking for new colleagues, potential customers etc.

Company / Organisation Name
Watercare Services Ltd (Wastewater Treatment Plant)
Attendee name and contact details
Name: Brian Clarke
Address: Island Road Mangere, PO Box 59077, Mangere Bridge, Manukau 2151
e-mail: bclarke@water.co.nz
tel / 09 539 7558 / fax: 09 539 7594
Please provide an outline of your activities / interests in relation to biogas.
Responsible for the Biogas Generation at Watercare Mangere Wastewater Treatment Plant.
What are you interested in finding out at the Workshop?

Company / Organisation Name
The University of Waikato
Attendee name and contact details
Name: Frank Scrimgeour
Please provide an outline of your activities / interests in relation to biogas.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Greenlane Biogas / Flotech
Attendee name and contact details

Name: Sean Molloy
Address: 47 Hastie Ave, Mangere Bridge, Auckland
e-mail: sean.molloy@flotech.com ,
tel / fax: (09) 918 0910
Please provide an outline of your activities / interests in relation to biogas.
Design and manufacture of Biogas upgrading systems.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Cenaught Ltd.
Attendee name and contact details
Name: Andrew Thorp (and John Harrison)
Address: 14 Aldersgate Rd, Hillsborough, Auckland 1042
e-mail: andrew.thorp@cenaught.com
tel / fax: 09 6255230 / 021 127 0381
Please provide an outline of your activities / interests in relation to biogas.
Interested in seeing a collaborative venture in NZ to develop working pilot projects for biogas vehicle fuel. Our interest is on-vehicle technology to allow heavy vehicles to run safely and efficiently on biomethane either in a retrofit installation or OEM. Our main business is developing new-generation engine control equipment for overseas market CNG installations.
What are you interested in finding out at the Workshop?
Presenter, interested in networking with others who wish to be involved in biogas fleet fuel developments.

Delegates

Company / Organisation Name	
Garnet (New Zealand Let)	
Attendee name and contact details	
Name	Gary Wilson
Address	5 Leach Place , Nelson
e-mail	gary@garnet.net.nz
tel / fax	t 03 547 7491, m 021 506 643 / f 03 547 7481
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
HERA	
Attendee name and contact details	
Name	Bill Lovell
Address	PO Box 76 – 134 Manukau City
e-mail	bill.lovell@hera.org.nz ; exec@hera.org.nz
tel / fax	09 262 4750 / 09 262 2856
Please provide an outline of your activities / interests in relation to biogas.	
HERA research topic 'Wood Strategy'. Use of wood products , production machinery and machinery and equipment development for waste product use.	
What are you interested in finding out at the Workshop?	
Engineering research opportunities. Manufacturing opportunities.	

Company / Organisation Name	
DairyNZ	
Attendee name and contact details	
Name: Garry Waghorn	
Address: DairyNZ, private Bag 3221, Hamilton	
e-mail: Garry.waghorn@dairyNZ.co.nz	
tel / fax: ph (07) 858 3881	
Please provide an outline of your activities / interests in relation to biogas.	
I am a ruminant nutritionist (ant therefore interested in both what goes into and out of cows), employed by DairyNZ but also contracted to AgResearch where I assist with planning, interpretation and provide guidance for trials to measure and mitigate ruminant methane production. Changes within the dairy industry will enable a greater proportion of cattle manure to be collected and this resource should be used. There is potential for very significant reductions in energy costs on farm through biogas generation, with less greenhouse gas emissions that occur from current storage systems.	
What are you interested in finding out at the Workshop?	
I am interested in networking and making contacts in the industry, specifically to generate energy from dairy effluent.	

Company / Organisation Name	
Dairy NZ	
Attendee name and contact details	
Name	Kate French
Address	corner Ruakura and Morinsville Roads, Hamilton
e-mail	kate.french@dairynz.co.nz
tel / fax	07 858 3788
Please provide an outline of your activities / interests in relation to biogas.	
As a research organisation committed to sustainability on behalf of dairy farmers this is an area of interest to many farmers, and to Dairy NZ in terms of possible future research.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Biogas Energy Limited	
Attendee name and contact details	
Name	James Young and Darren Wright
Address	24 Marriner St
e-mail	James@biogasenergy.co.nz
tel / fax	021 771 612
Please provide an outline of your activities / interests in relation to biogas.	
We are a startup commercial biogas operation.	
What are you interested in finding out at the workshop?	
Networking and supporting information in our field of operations.	

Company / Organisation Name	
Vector Ltd.	
Attendee name and contact details	
Name	Siegfried Zoellner
Address	PO Box 99882, Auckland
e-mail	Siegfried.zoellner@vector.co.nz
tel / fax	09 978 4544 / 09 978 4556
Please provide an outline of your activities / interests in relation to biogas.	
<p>Vector is a multi-network infrastructure company which owns and operates a range of energy and technology businesses and assets.</p> <p>Vector operates a high pressure gas transportation system supplying major centres of the North Island, as well as extensive lower pressure gas distribution networks in approximately 40 towns and cities.</p> <p>Vector holds long term entitlements to gas from New Zealand's major fields and sells natural gas to gas retailers, electricity generators, petrochemical plants and large commercial and industrial customers.</p> <p>Vector owns and operates gas processing facilities at Kapuni in South Taranaki. The plant processes raw gas from local fields to produce specification gas for the reticulated market. Vector has also invested in renewable energy technology, such as wind and solar.</p>	
What are you interested in finding out at the workshop?	
As a provider of both gas infrastructure as well as of natural gas, Vector would like to learn how and to what extent biogas can play a role in the future energy mix.	

Company / Organisation Name
Catalyst R&D Ltd
Attendee name and contact details
Name: Wymond Symes
Address: Company Office - PO Box 37228, Christchurch 8245,
e-mail: Wymond.symes@catalystnz.co.nz
tel / fax: (07) 549 5749/ 0275 608 776
Please provide an outline of your activities / interests in relation to biogas.
We are a team of research & development consultants with an interest and some experience in sustainable business practices. This is an area of business many of our clients are looking to embrace, and for some biogas and biofuel technology might offer solutions to waste and energy management challenges.
What are you interested in finding out at the Workshop?
How biogas technology is starting to be implemented in NZ, what those technologies are, and what opportunities might exist for some of our clients

Company / Organisation Name:
EECA
Attendee name and contact details
Name: Chris McArthur, Kirk Archibald, Ting Liu, Martin Garrood, Tomo Reed
Address:
e-mail: firstname.secondname@eeca.govt.nz
tel / fax:
Please provide an outline of your activities / interests in relation to biogas.
Government agency promoting all forms of renewable energy. Funding demonstration projects for energy intensive businesses. Funding GHG reducing projects for energy intensive businesses.
What are you interested in finding out at the Workshop?
Looking to get information on existing projects and possible opportunities for biogas use in NZ. Find out about technology available here and overseas and most crucially discover what are the barriers to take up of biogas technologies and how government can help to remove these. Interested in finding out hurdles to uptake of biogas in NZ and what needs to be considered.

Company / Organisation Name
Opus International Consultants Ltd
Attendee name and contact details
Name Robin Walker
Address Opus House, Princes Street, Hamilton 3204
e-mail Robin.walker@opus.co.nz
tel / fax t 07 834 1834 / f 078 389 324
Please provide an outline of your activities / interests in relation to biogas.
Wastewater environmental engineer, previous experience of biogas recovery and re-use.
What are you interested in finding out at the workshop?
NZ practice and work opportunities.

Company / Organisation Name	
Rural Industries Research and Development Corporation, AUSTRALIA (Australian Methane to Markets in Agriculture Programme)	
Attendee name and contact details	
Name	Griff Rose and Ralph Leutton
Address	PO Box 4766, Kingston ACT 2604 AUSTRALIA
e-mail	griff@magma.com.au and Ralph.leutton@bigpond.com
tel / fax	02 6290 0614 (Griff) 0418 731129 (Ralph) / fax (Griff) 02 6257 0003
Please provide an outline of your activities / interests in relation to biogas.	
<p>Griff Rose The Australian Methane to Markets in Agriculture Programme is a collaborative R&D programme that is funded by RIRDC, Pork Australia, Dairy Australia, Meat and Livestock Australia, Australian Lot Feeders Association and the Australian government through the Department of Agriculture, Forestry and Fisheries' Natural Heritage Trust and National Landcare Programmes. It aims to promote and facilitate the capture and beneficial use of methane from intensive livestock farming and provides Australia's links to the international Methane to Markets Partnership.</p> <p>Ralph Leutton Chairman of the Australian industry/government project management reference group responsible for the oversight of the agricultural component of the Methane-2-Markets International partnerships agreement. Interested in the commercial capture and use of methane as generated from point sources on and in agricultural operations. The conversion of methane to either heat energy or electrical energy for utilisation within the farm enterprise. To realise the potential climate change advantages of utilising methane from point sources in agriculture.</p> <p>Web-site - www.rirdc.gov.au</p>	
What are you interested in finding out at the Workshop?	
<p>Griff - The main aims in attending this workshop are to identify new technologies and processes that could be adapted to Australian conditions and to meet representatives of New Zealand companies that have a demonstrated capacity to provide such technologies and services.</p> <p>Ralph - Interested in New Zealand and other country approaches to the capture and use of point source methane. The relationship between such capture and any carbon/emissions trading schemes that may or are being considered.</p>	

Company / Organisation Name	
Lincoln Ventures Ltd,	
Attendee name and contact details	
Name	Richard Weld
Address	Lincoln University Campus, Lincoln, Christchurch, 7640
e-mail	weldr@lv.co.nz
tel / fax	03 325 3700 / 03 325 3725
Please provide an outline of your activities / interests in relation to biogas.	
Our research group is investigating aspects of anaerobic digestion and Microbial Fuel Cells. We are particularly interested in thermophilic digestion, microbial aspects of digestion and the possibility of combining digesters and fuel cells for advanced wastewater treatment with energy recovery.	
What are you interested in finding out at the Workshop?	
Interested in meeting and talking so other researchers who are doing research in this field.	

Company / Organisation Name
Lincoln Ventures Ltd
Attendee name and contact details
Name: Rupinder Singh
Address: Lincoln Ventures Ltd, Lincoln University Campus, 8150, Canterbury
e-mail: singhr@lvt.co.nz
tel / fax: 03-3253720
Please provide an outline of your activities / interests in relation to biogas.
Doing PhD on thermophilic anaerobic digestion process. We are attempting to stabilize thermophilic anaerobic digestion process by introducing some ideas taken from ecological theories and also by the addition of parallel pathways towards substrate utilization.
What are you interested in finding out at the Workshop?
Interested in meeting and talking so other researchers who are doing research in this field.

Company / Organisation Name
NIWA
Attendee name and contact details
Name Rilke de Vos, Nick Bain
Address 269 Khyber Pass Road, Newmarket, Auckland
e-mail r.devos@niwa.co.nz ; n.bain@niwa.co.nz
tel / fax 09 375 4501 and (09) 375 2083 / 09 375 2051
Please provide an outline of your activities / interests in relation to biogas.
Renewable energy research / analyst.
What are you interested in finding out at the workshop?

Company / Organisation Name
NIWA
Attendee name and contact details
Name Jason Park
Address Gate 10 Silverdale Rd, Hillcrest, Hamilton
e-mail j.park@niwa.co.nz
tel / fax
Please provide an outline of your activities / interests in relation to biogas.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Entec Services Limited
Attendee name and contact details
Name: Bob Weston and Neale Spranger
Address: PO Box 76160, Manukau City
e-mail: bob@entec.co.nz , Neale@entec.co.nz
tel / fax: 09 262 2472
Please provide an outline of your activities / interests in relation to biogas.
Long-standing provider of packaged systems for power generation and cogeneration from biogas from "traditional" sources such as WWTP and Landfill. Traditionally we have offered large systems (200kW and above), we are currently assessing viability of smaller systems.
What are you interested in finding out at the Workshop?
Developments with Biogas in newer fields such as Agricultural and Waste Processing. Meeting other parties with complementary products/services. Networking for new colleagues, potential customers etc.

Company / Organisation Name :
Bioform Ltd/Biogas Industries Ltd
Attendee name and contact details :
Name: Loren Poole
Address: 127 Esdaile Rd, RD6, Tauranga
e-mail: loren@bioform.co.nz
tel / fax: 021 644145
Please provide an outline of your activities / interests in relation to biogas.
1991 Beca Carter Engineering Student Project Award "Biogas Production from Food Waste" Worked with the late Robert Orr from "Biogas Industries Ltd" on the following projects. Project Engineer, Biogas from Potato Wastewater - Auckland Rieds Piggery - Carterton Biogas Digester - Affco Taurmanui Conducted a number of Feasibility Studies over the last 15 years. Biogas Short Course-Canterbury University
The late Robert Orr Designed and built a Biogas Digester on his farm in Waipawa around 1980, running on Apple Pomace, he ran his car, tractor and Truck on the Biogas for many years. Fertiliser was spread over the farm from the digester. I was fortunate enough to work with Rob on his digester and associated systems during this time.
I am interested in applying the practical and theoretical skills I've gained to the future success of Biogas Production Projects in New Zealand.
As a practicing Mechanical Engineer and Farmer my interests are in the Design, Project Management and Feasibility Study's of Biogas Plants, also the associated feedstock production and downstream uses of the Biogas.
What are you interested in finding out at the Workshop?
All the topics look great, general update on the industry and how to access the carbon credits for prospective projects.

Company / Organisation Name

Distributed Energy and Waste Systems (DEWS)
Attendee name and contact details
Name: Karl Hartman, Bruce Sutherland, Allan MacDonald
Address: P O Box 331249, Takapuna, Auckland
e-mail: karl@dews.co.nz
tel / fax: 027 292 1987
Please provide an outline of your activities / interests in relation to biogas.
Consulting and Installation: Wastes to Energy, Waste Minimisation Energy efficiency and Efficient use of energy Co-generation
What are you interested in finding out at the Workshop?
State of the technology in NZ.

Company / Organisation Name
Energen Solutions Limited
Attendee name and contact details
Name Justin Sollit
Address PO Box 503, Warkworth 0941
e-mail justin@energensolutions.co.nz
tel / fax 09 425 9334
Please provide an outline of your activities / interests in relation to biogas.
Landfill gas energy generation. Waste water energy generation.
What are you interested in finding out at the workshop?
Biogas (dairy farms) Biogas (waste water)

Company / Organisation Name
Maunsell Ltd
Attendee name and contact details
Name Guenter Wabnitz, Kevin Wood, Richard Capes, Warwick Cutfield
Address Maunsell Ltd., PO Box 27277 Wellington
e-mail guenter.wabnitz@maunsell.com
tel / fax 04 3822 975 / 04 3822 998
Please provide an outline of your activities / interests in relation to biogas.
Maunsell believes that biogas is a potential substitute for natural gas in New Zealand. With New Zealand being an island nation with declining natural gas reserves, facing increasing oil and LNG prices and having sufficient land to support the growing of energy crops, Maunsell believes that biogas will play an important role in the future energy mix of this country.
Maunsell belongs to a global network of infrastructure consulting firms under the umbrella of AECOM, and works on markets in Australia, New Zealand, Asia and the Pacific in the fields of energy, transport, environment and mining.

Maunsell's expertise in biogas comes from its background in natural gas, CNG, co-generation, landfill gas and sewage gas, all being closely related with biogas. Maunsell is a technology provider with expertise in the economic, market, social and environmental aspects of biogas.

Maunsell sees the formation of a Biogas Interest Group as a great opportunity for the exchange of experience, improvement of local knowledge, promotion of sustainable biogas and lobbying for support from the farming sector and the government.

What are you interested in finding out at the workshop?

Who's who, state of the art, networking opportunities, lobbying for the development of an industry

Company / Organisation Name

Armadillo Engineering Ltd

Attendee name and contact details

Name Allan McCreadie
 Address PO Box 75-097, Manurewa
 e-mail armadillo.eng@xtra.co.nz
 tel / fax 1274-938-041 / 09 296 - 0731

Please provide an outline of your activities / interests in relation to biogas.

Consulting engineers in industrial utilities systems and equipment design / project management. Previous work for Entec and Flotech on biogas pretreatment for engines using re Fridgeration to reduce siloxanes. Interested in broader involvement to assist with implementation and acceptance of this technology.

What are you interested in finding out at the workshop?

Opportunities to apply problem solving and design skill to systems and equipment. To learn from existing implementations and the more successful strategies.

Also:

1. State and development of the Industry.
2. Realistic assessment of development potential.
3. Possibility of mutually beneficial commercial involvement.

Company / Organisation Name

Wallace Corporation Limited

Attendee name and contact details

Name Shane Carter
 Address Wood Road, Waitoa
 e-mail shane.carter@wallace.co.nz
 tel / fax 07 889 0292

Please provide an outline of your activities / interests in relation to biogas.

Anaerobic Waste Water Treatment pond collects methane gas for utilization. Small scale continuous anaerobic digestion plant for system testing and operations.

What are you interested in finding out at the workshop?

General information – where NZ currently stands.

Company / Organisation Name

Manukau City Council

Attendee name and contact details	
Name	Alastair Brookes
Address	31 – 33 Wiri Station Road,
e-mail	alastair.brookes@manukau.govt.nz
tel / fax	09 262 8961 / 09 262 8939
Please provide an outline of your activities / interests in relation to biogas.	
Recently appointed as energy manager and looking to find applications in the urban context. I recently completed an MSc in Renewable Energy System Technology and my thesis looked at AD of horse manure for farm sized applications.	
What are you interested in finding out at the workshop?	
Making contacts, finding out more about use of grass and AD, possibly to utilize parks waste.	

Company / Organisation Name	
Ernslaw Bioenergy Ltd	
Attendee name and contact details	
Name	Murray Cowan
Address	PO Box 25, Naseby, Central otago
e-mail	fsi.cowan@xtra.co.nz
tel / fax	021 393 141
Please provide an outline of your activities / interests in relation to biogas.	
Forestry Company.	
What are you interested in finding out at the workshop?	
Interested in finding out what is happening in other sectors.	

Company / Organisation Name	
Waratah Farms Ltd	
Attendee name and contact details	
Name	Bindi Ground
Address	1035 Ormsby Road, RD3, OTOROHANGA 3473
e-mail	bindi@waratahfarms.co.nz
tel / fax	07 873 7752
Please provide an outline of your activities / interests in relation to biogas.	
Have been involved in a covered pond project for a small piggery. Am now interested in commercial scale on larger piggery units.	
What are you interested in finding out at the workshop?	

Company / Organisation Name	
Turvey Company Ltd	
Attendee name and contact details	
Name	Alexander Longuet-Higgins
Address	RD2 Wellsford
e-mail	Alexander.pakiri@gmail.com
tel / fax	09 422 6193 / 09 422 6196
Please provide an outline of your activities / interests in relation to biogas.	
Production of energy and fertilizer from waste products.	
What are you interested in finding out at the workshop?	
Information regarding digestion of various waste – food products and fish etc etc	

Company / Organisation Name

INGHAMS Enterprises, AUSTRALIA	
Attendee name and contact details	
Name	Julia Seddon
Address	Locked Bag 400, Liverpool, BL1871, AUSTRALIA
e-mail	jseddon@ingham.com.au
tel / fax	+61 29826 4410 / +61 29 600 7561
Please provide an outline of your activities / interests in relation to biogas.	
Converting poultry waste (farm. Mill, hatchery and processing wastes) to energy (biogas) for use at processing plant.	
What are you interested in finding out at the workshop?	
Relevant contacts, experience of others, applications of technology.	

Company / Organisation Name	
INGHAMS Enterprises (NZ) Pty Ltd	
Attendee name and contact details	
Name	Boram Keam
Address	PO Box 247, Te Aroha. 624 Waiheke Rd, Ngarua, R.D. Waitoa
Email:	bkeam@ingham.com.au
Tel:	07-884 6549
Please provide an outline of your activities / interests in relation to biogas.	
Interested in using the poultry waste to create biogas for preheating water.	
What are you interested in finding out at the Workshop?	
From the workshop, I am interested in finding out about the feasibility of generating biogas from various types of poultry waste and implementing a such plant on the premises and its operations.	

Company / Organisation Name	
RCR Energy Ltd	
Attendee name and contact details	
Name	Philip Gedye
Address	PO Box 2553, Startford Lodge, Hastings 4153
e-mail	Philip.gedye@rcrtom.com.au
tel / fax	036 873 8838
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the workshop?	

Company / Organisation Name	
Windy Farm Ltd	
Attendee name and contact details	
Name	Alec Dondertman
Address	Viles Road, Featherston
e-mail	windyfarm@xtra.co.nz
tel / fax	06 3089789
Please provide an outline of your activities / interests in relation to biogas.	
I have a large piggery / dairy unit.	
What are you interested in finding out at the workshop?	
Interested in minimizing the odours and utilizing the value in gases from the oxidation ponds.	

Company / Organisation Name	
Albert van Oostrom & Associates	
Attendee name and contact details	
Name	Albert van Oostrom
Address	21 Dawson Street, Hamilton 3216
e-mail	avo@albert.co.nz
tel / fax	07 856 8367 / 07 856 8362
Please provide an outline of your activities / interests in relation to biogas.	
I specialize in advising primary processing industries in particular the meat processing industry on technologies and practices for managing waste. Biogas recovery and use from anaerobic effluent lagoons is an area of growing application and interest in the industry.	
What are you interested in finding out at the workshop?	
Technical aspects of biogas recovery and utilization.	

Company / Organisation Name	
Integrated Waste Solutions	
Attendee name and contact details	
Name	Jim Maddox
Address	Box 34 Clevedon, Auckland
e-mail	jim@zerowaste-iws.co.nz
tel / fax	09 292 8279 / 09 292 8309 mobile – 021 497 546
Please provide an outline of your activities / interests in relation to biogas.	
IWS works in the area of industrial wastewater treatment & pollution prevention (including stormwater treatment).	
What are you interested in finding out at the workshop?	
Understanding the opportunities for energy from organic materials at a company & personal interest level.	

Company / Organisation Name	
Ministry of Economic Development	
Attendee name and contact details	
Name	Ms Hanh Le
Address	PO Box 1473
e-mail	Hanh.le@med.govt.nz
tel / fax	04 474 2859 (Phone)
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the workshop?	

Organisation Name	
Ministry of Transport	
Attendee name and contact details	
Name: Tony Frost	
Address: PO Box 3175 Wellington	

e-mail: t.frost@transport.govt.nz
tel / fax: 04 439 9042
Please provide an outline of your activities / interests in relation to biogas.
Consumer use of biogas particularly for transport purposes
What are you interested in finding out at the Workshop?
Automobiles, planes and trains that run on biogas. How much and where is biogas available.

Company / Organisation Name
Massey University + (Environment Officer for the NZ Pork Industry Board)
Attendee name and contact details
Name: Elizabeth McGruddy
Address: IFNHH, Massey University, Private Bag 11-222, Palmerston North
e-mail: e.mcgruddy@massey.ac.nz
tel / fax: 06 350 5082
Please provide an outline of your activities / interests in relation to biogas.
Environment Officer for the NZ Pork Industry Board; interested in ongoing R&D, funding support for uptake, policy and regulatory framework supporting (or inhibiting) uptake, grid connects.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Department of Chemical and Process Engineering, University of Canterbury, Christchurch
Attendee name and contact details
Name Shusheng Pang, Associate Professor
Address Department of Chemical and Process Engineering, University of Canterbury, Christchurch
e-mail Shusheng.pang@canterbury.ac.nz
tel / fax 027 2747 091/03 364 2063
Please provide an outline of your activities / interests in relation to biogas.
Biomass gasification, biomass pyrolysis and bioliquid fuel. Pre-processing of woody biomass (sizing, drying). Feasibilities of biomass energy and bioliquid fuel.
What are you interested in finding out at the workshop?

Company / Organisation Name
Waste Solutions Ltd
Attendee name and contact details
Name Steve Brewster
Address PO Box 997
e-mail steve.brewster@wastesolutions.co.nz
tel / fax 03477 2375 / 03 477 4236
Please provide an outline of your activities / interests in relation to biogas.
Electrical and control design for plants. Interested in practical end use designs. Eg electricity generation, heating etc.
What are you interested in finding out at the workshop?
1. current "state of the art" 2. Other's practical experiences 3. Good source of on-line methane and hydrogen sulphide analysers 4. Best gas flow meters available for pulsating gas stream.

Company / Organisation Name
Waste Solutions Ltd
Attendee name and contact details
Name: Sean Connaughton
Address: 1 st Floor, John Wickliffe House, 265-269 Princes Street, PO Box 997, Dunedin 9054
e-mail: sean.connaughton@wastesolutions.co.nz
tel / fax: tel 03 474 1067 or 03 477 2375 / fax 03 477 4236
Please provide an outline of your activities / interests in relation to biogas.
As an Environmental Biotechnologist for WSL active and interested in the areas of: Waste (solid and liquid) treatment, Energy consumption demands and usage (national and international), Renewable energy production and application
What are you interested in finding out at the Workshop?
The current status of biogas use and application within NZ and any future government actions to help promote, improve and/or develop NZ use of and production of biogas particular from waste material, both industrial and municipal.

Company / Organisation Name
Waste Solutions Ltd.
Attendee name and contact details
Name Steve Laubscher and Jonas Hjertquist
Address Level 1, John Wickliffe House, 265-269 Princes Street, PO Box 997, Dunedin 9054
e-mail steve.laubscher@wastesolutions.co.nz jonas.hjertquist@wastesolutions.co.nz
tel / fax T +64 3 477 2375 F +64 3 477 4236
Please provide an outline of your activities / interests in relation to biogas.
Project design and management.
What are you interested in finding out at the Workshop?
Anaerobic Digestion.

Company / Organisation Name
Waste Solutions Ltd
Attendee name and contact details
Name: Chris Hearn
Address: 1 st Floor, John Wickliffe House, 265-269 Princes Street, PO Box 997, Dunedin 9054
e-mail: chris.hearn@wastesolutions.co.nz
tel / fax: tel 03 474 1067 or 03 477 2375 / fax 03 477 4236
Please provide an outline of your activities / interests in relation to biogas.
As an Environmental Biotechnologist for WSL active and interested in the areas of: Waste (solid and liquid) treatment, Energy consumption demands and usage (national and international), Renewable energy production and application
What are you interested in finding out at the Workshop?
The current status of biogas use and application within NZ and any future government actions to help promote, improve and/or develop NZ use of and production of biogas particular from waste material, both industrial and municipal.

Company / Organisation Name
Landcare Research
Attendee name and contact details
Name: Graeme Anderson
Address: Gate 10 University of Waikato.
e-mail: andersong@landcareresearch.co.nz
tel / fax: Ph 07 859 3798 fax 07 859 3701
Please provide an outline of your activities / interests in relation to biogas.
Generally interested in alternative energy
What are you interested in finding out at the Workshop?
Want to attend the liquid biofuels interest group and general catch-up on biogas.

Company / Organisation Name
Innovation Waikato Limited
Attendee name and contact details
Name: Peter Davey
Address: Waikato Innovation Park Ruakura Lane, East Hamilton Hamilton, New Zealand P O Box 9466 Hamilton Mail Centre, 3240
e-mail: pdavey@innovationwaikato.co.nz
tel / fax: 07 857 0543
Please provide an outline of your activities / interests in relation to biogas.
Energy from Waste as applied to intensification of agricultural production and processing systems.
What are you interested in finding out at the Workshop?
Current practise in New Zealand; Regulatory hurdles.

Company / Organisation Name
PGG Wrightson Consulting
Attendee name and contact details
Name: Tony Rhodes
Address: Barraud Street, PO Box 42, DANNEVIRKE
e-mail: trhodes@pggwrightson.co.nz
tel / fax: (06) 374 4640; 0275 901 456
Please provide an outline of your activities / interests in relation to biogas.
Assessing the value of biogas in waste mitigation on dairy farms, the impact on whole-farm GHG emissions and impact on energy self-sufficiency.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Genesis Energy

Attendee name and contact details	
Name	Kimbal McHugo
Address	PO Box 10 568, Wellington
e-mail	kimbal.mchugo@genesisenergy.co.nz
tel / fax	04 495 6355 / 04 495 6363
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Genesis Energy	
Attendee name and contact details	
Name	Jay Divakar
Address	PO Box 17188 Greenlane, Auckland
e-mail	jay.divakar@genesisenergy.co.nz
tel / fax	64 9 5 580 48 22
Please provide an outline of your activities / interests in relation to biogas.	
Anaerobic Ponds Biogas electricity generation Biogas generators Distributed Generation	
What are you interested in finding out at the Workshop?	
As above	

Company / Organisation Name	
Environment Waikato	
Attendee name and contact details	
Name	Blair Dickie
Address	PO Box 4010, Hamilton East
e-mail	blair.dickie@ew.govt.nz
tel / fax	
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the workshop?	

Company / Organisation Name	
Environment Waikato	
Attendee name and contact details	
Name	Jonathan Caldwell
Address	PO Box 4010, Hamilton East, Hamilton 3247
e-mail	jonathan.caldwell@ew.govt.nz
tel / fax	07 859 0502
Please provide an outline of your activities / interests in relation to biogas.	
Regulatory Management/consenting of air discharges from landfills and treatment ponds.	
What are you interested in finding out at the Workshop?	
Biogas specifications, emission rates, sub-terrain migration of gases, flaring/combustion, odour generation and control.	

Company / Organisation Name	
Environment Waikato	
Attendee name and contact details	
Name	Barry Campbell
Address	PO Box 4010, Hamilton East, Hamilton 3247
e-mail	barry.campbell@ew.govt.nz
tel / fax	07 859 0775
Please provide an outline of your activities / interests in relation to biogas.	
Monitoring of biogas plants; Evaluation of consent applications for biogas plants.	
What are you interested in finding out at the Workshop?	
Potential for biogas plants and waste-to-energy plants in the Waikato and NZ.	

Company / Organisation Name	
Environment Waikato	
Attendee name and contact details	
Name: Bala TikkiSETTY	
Address: 401 Grey Street, Hamilton East / PO Box 4010, Hamilton East	
e-mail: bala.tikkisetty@ew.govt.nz	
tel / fax: 07 – 859 0543	
Please provide an outline of your activities / interests in relation to biogas.	
Providing advice on Sustainable Land Management and Sustainable Agriculture practices in the Waikato Region.	
What are you interested in finding out at the Workshop?	
Biogas potentiality in NZ farms and how best we can improve economic and environmental sustainability.	

Company / Organisation Name	
Neil Peterken, Consultant	
Attendee name and contact details	
Name	Neil Peterken
Address	13 Perkins Drive, Te Puna, Tauranga
e-mail	peterken@surfer.co.nz
tel / fax	07 552 5094 / 07 552 5095
Please provide an outline of your activities / interests in relation to biogas.	
Design and manufacturer of biogas / methane digesters.	
What are you interested in finding out at the Workshop?	
Methane production and use of.	

Company / Organisation Name	
Chilton Farms Ltd	
Attendee name and contact details	
Name	Richard Chilton
Address	197 Belfast Road, Christchurch
e-mail	Chilton.rj@xtra.co.nz
tel / fax	03 323 8995 / 03 323 7829
Please provide an outline of your activities / interests in relation to biogas.	
Interested in assessing suitable biogas systems for my pig farm effluent.	
What are you interested in finding out at the Workshop?	
Anything relative to alternative fuels.	

Company / Organisation Name	
Nelson Regional Sewerage Business Unit	
Attendee name and contact details	
Name	Michael Schruer
Address	PO Box 645, Nelson 7040
tel / fax	
Please provide an outline of your activities / interests in relation to biogas.	
Manage a regional (Tasman District and Nelson City Councils) sewerage scheme and trying to convert to anaerobic treatment in the future to use co-generation to satisfy some of the energy demands on site.	
What are you interested in finding out at the Workshop?	
Options for cogeneration at sewage treatment plants.	

Company / Organisation Name	
Hawkes Bay Protein Ltd	
Attendee name and contact details	
Name	Bruce Rowntree
Address	PO Box 82 Napier
e-mail	bruce@hbprotein.co.nz
tel / fax	06 8355227
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Duffill Watts Ltd	
Attendee name and contact details	
Name	Alistair Broughton, Tony Fleming
Address	PO Box 562 Palmerston North
e-mail	palmerstonnorth@duffillwatts.com
tel / fax	06 354 4501 / 06 354 4516
Please provide an outline of your activities / interests in relation to biogas.	
Have been doing research on methane production for dairy farmers at ambient temperatures.	
What are you interested in finding out at the Workshop?	
Farm based technologies.	

Company / Organisation Name	
PFS Consultants Ltd	
Attendee name and contact details	
Name	Peter Brown
Address	9/60 Tauranga Direct Road, RD2, Rotorua 3072
e-mail	peter@pfsc.co.nz
tel / fax	07 332 3218 / 07 332 3219
Please provide an outline of your activities / interests in relation to biogas.	
Involved in development of Miscanthus as a bioenergy crop in New Zealand. One of the possible uses is in a bio-digester for the production of biogas.	
What are you interested in finding out at the Workshop?	
As much as possible.	

Company / Organisation Name	
BECA Infrastructure Ltd	
Attendee name and contact details	
Name	Rob Fullerton, Caroline Crosby, Nick Berry
Address	Box 6345, Wellesley Street, Auckland
e-mail	rob.fullerton@beca.com
tel / fax	09 300 9364
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Baltune Forest Ltd.	
Attendee name and contact details	
Name	Michael Higgins
Address	340 Main Road Spring Grove, RD 1 Wakefield.
e-mail	baltune@xtra.co.nz
tel / fax	035418629
Please provide an outline of your activities / interests in relation to biogas.	
Outline of Activities and Interests in relation to Biogas; 1) member of Tasman District Council, Chair Environment and Planning Committee, Chair Enterprise committee, Member Nelson Regional Sewerage Business Unit. 2) Interested in sewerage and waste disposal methods involving Biogas. 3) Interested in utilising forest or vegetation material for Biogas production.	
What are you interested in finding out at the Workshop?	
Looking to learn of affordable methods of Biogas production.	

Company / Organisation Name	
PIC New Zealand	
Attendee name and contact details	
Name: Jason Palmer	
Address: PO Box 348 Christchurch	
e-mail: jason.palmer@picnz.co.nz	
Tel: 0275294252	
Please provide an outline of your activities / interests in relation to biogas.	
PIC is a leading provider of pig breeding stock and related products within the NZ pig industry. PIC have vested interests in 5 piggeries in NZ and would like to understand more about the technologies available in NZ and whether biogas production is a feasible option for some of our piggeries. My role as PIC Business Development Manager is to also understand the technologies available to our customers and provide ideas and options to enable them to be more sustainable in the future.	

What are you interested in finding out at the Workshop?

Understand more about the feasibility of biogas production from piggery waste.
Understand more about the different systems and which will work best for us.

Company / Organisation Name

Page Macrae Engineering

Attendee name and contact details

Name: Hans Burggraaf

Address P.O Box 4050 Mount Maunganui South

e-mail Hansb@page-macrae.co.nz

Tel / fax 07 575 5079 07 575 5994

Please provide an outline of your activities / interests in relation to biogas.**What are you interested in finding out at the Workshop?****Company / Organisation Name**

Harrison Grierson Consultants Ltd.

Attendee name and contact details

Name: Ash Deshpande

Address: PO Box 5760, Wellesley Street, Auckland

e-mail: a.Deshpande@harrisingrierson.com

tel / fax: 09 917 5000/ 09 917 5001

Please provide an outline of your activities / interests in relation to biogas.

Involved in process design and detailed engineering of wastewater treatment plants and sludge treatment and handling facilities.

What are you interested in finding out at the Workshop?

Technical and economic viability of using biogas (from sludge treatment facilities) in power generation; Getting to know suppliers and designers involved in this type of activity.

Company / Organisation Name

N & EE Reid

Attendee name and contact details

Name: Andrew Hosken and Stephen Shivas

Address: RD1 Carterton

e-mail: oink@wizbiz.net.net

tel / fax: 027 242 3460 063798463 Fax 063798474

Please provide an outline of your activities / interests in relation to biogas.

We have a 10,000 p.e. piggery and are looking at getting a biogas system going to put the effluent produced to better use.

What are you interested in finding out at the Workshop?

The find out the different ways of producing biogas and meeting people in the industry.

Company / Organisation Name

Energy for Industry, Wellington

Attendee name and contact details

Name: Bill Black

Address: 33 Customhouse Quay, PO Box 10 840, Wellington

e-mail: billb@energyforindustry.co.nz
tel / fax: P 04 3811 335, F 04 381 1331
Please provide an outline of your activities / interests in relation to biogas.
EFI is interested in biogas as a fuel source for power generation.
What are you interested in finding out at the Workshop?
See above

Company / Organisation Name
Hamilton City Council
Attendee name and contact details
Name: Martin Mould (plus two other attendees)
Address: Private Bag 3010, Hamilton
e-mail: c/o helin.borman@hcc.govt.nz
tel / fax:
Please provide an outline of your activities / interests in relation to biogas.
Wastewater Treatment and Cogeneration from digester biogas.
What are you interested in finding out at the Workshop?
More

Company / Organisation Name
CHH Kinleith Mill
Attendee name and contact details
Name Christopher Brown and Warren Blakemore
Address Kinleith Mill, State Highway 1, Private Bag 6, Tokoroa
e-mail Christopher.brown@chh.co.nz
tel / fax 07 886 3392 / 07 886 3260
Please provide an outline of your activities / interests in relation to biogas.
Pulp and Paper industry; Black liquor recovery boilers, and large wood waste boiler.
What are you interested in finding out at the Workshop?
Gasification technology; Electricity generation from biogas; Biogas from waste water; Kiln gasification

Company / Organisation Name
ANDAR Holdings Ltd
Attendee name and contact details
Name Owen Schicker
Address PO Box 435, Timaru 7940
e-mail o.schicker@andar.co.nz
tel / fax 03 687 4444 / 03 688 2640
Please provide an outline of your activities / interests in relation to biogas.
Biogas production from effluent.
What are you interested in finding out at the Workshop?
As above.

Company / Organisation Name
Greenlane Biogas / Flotech
Attendee name and contact details

Name: Steve Broadbent, Hayden Mack, Matea Naus (and Don Duff)
Address: 47 Hastie Ave, Mangere Bridge, Auckland
e-mail: steve.broadbent@flotech.com , hayden.mack@flotech.com , matea.naus@flotech.com
tel / fax: (09) 918 0910
Please provide an outline of your activities / interests in relation to biogas.
Design and manufacture of Biogas upgrading systems
What are you interested in finding out at the Workshop?

Company / Organisation Name
Ministry for the Environment
Attendee name and contact details
Name: Robin Brasell
Address: PO Box 10 362, Wellington
e-mail: robin.brasell@mfe.govt.nz
tel / fax: 04-4397623
Please provide an outline of your activities / interests in relation to biogas.
Potential and issues around moving towards sustainable renewable energy as a means of meeting energy needs and mitigating climate change.
What are you interested in finding out at the Workshop?
Updating myself on the state of the technology as quickly and painlessly as possible.

Company / Organisation Name
Fonterra Co-Operative
Attendee name and contact details
Name: Jack Ballagh
Address: Whareroa Road, Hawera
e-mail: jack.ballagh@fonterra.com
tel / fax: 06 278 2364
Please provide an outline of your activities / interests in relation to biogas.
Interested in the feasibility, both technical and commercial, of biogas production and use as a renewable energy source in a number of applications
What are you interested in finding out at the Workshop?
What is the current state and maturity of biogas production and processing technology? What is the commercial picture in terms of costs currently?

Company / Organisation Name
Fonterra Co-operative Group Ltd
Attendee name and contact details
Name: John Russell
Address: PO Box 14063, Longburn 4866
e-mail: john.russell@fonterra.com
tel / fax: ph 06 351 7746/ fax 06 351 7744
Please provide an outline of your activities / interests in relation to biogas.
Wastewater treatment, anaerobic treatment, biogas recovery.
What are you interested in finding out at the Workshop?

Company / Organisation Name :
Fonterra Co-operative
Attendee name and contact details
Name: Ron Hamilton
Address: Okoroire Road, Tirau
e-mail: ron.hamilton@fonterra.com
tel / fax: (07) 8853040
Please provide an outline of your activities / interests in relation to biogas.
<ul style="list-style-type: none"> ▪ Have managed developed the anaerobic digester at Fonterra, Tirau- since 1984. ▪ Have directed some research on Anaerobic Digestion on Dairy Industry wastewater in the intervening period.
What are you interested in finding out at the Workshop?
<ul style="list-style-type: none"> ▪ Developments in the field of AD on industrial wastewaters and developments in biogas handling and utilisation.

Company / Organisation Name
Agfirst Waikato
Attendee name and contact details
Name: Martin Rump
Address: PO Box 9078, Hamilton and 519 Fairview Road, Te Awamutu
e-mail: martin.rump@gmx.net
tel / fax: 07 870 6531
Please provide an outline of your activities / interests in relation to biogas.
Offering advice to dairy farming re. effluent digestion. Biogas utilisation via cogeneration (gas/diesel motor, gas turbine), direct combustion of methane for heating/cooling.
What are you interested in finding out at the Workshop?
Service provider in NZ, status of available technology and economics on farm.

Company / Organisation Name
MWH New Zealand Ltd
Attendee name and contact details
Name: Dr Dave Stewart
Address: P O Box 4, Dunedin
e-mail: dave.j.stewart@mwhglobal.com
tel / fax: 03 474 3953, 03 477 0616
Please provide an outline of your activities / interests in relation to biogas.
<p>My interest in biogas dates back to the early 1970's when I established the 'Energy & Environmental' group at MAF's Invermay Agricultural Research Centre near Dunedin. The major focus of this group was the use of anaerobic digestion to treat farm wastes and to produce fuel. My group established the 'energy farm' where crops were grown for conversion to biogas, which was scrubbed and compressed and used to fuel Centre vehicles. My group worked with farmers and industries in NZ and overseas to design biogas plants and assist with biogas utilisation.</p> <p>Since leaving MAF in 1991 to join MWH I have continued to carry out biogas projects in the form of designing a number of landfill gas collection and utilisation projects in NZ and overseas and through designing a number of covered anaerobic lagoons for municipal and industrial clients in NZ.</p> <p>I have also worked recently for the World Bank to audit the development and operation of covered anaerobic lagoons on pig, poultry and intensive dairy farms in Mexico and Brazil designed primarily to obtain carbon credits.</p>
What are you interested in finding out at the Workshop?

I am interested in finding out what is now happening in NZ with biogas projects. I am also interested in seeing biogas promoted as the highest energy yielding method of producing renewable fuels and the most sustainable approach.

Company / Organisation Name
Rose & Heather
Attendee name and contact details
Name: Simon Coughlan
Address: !4 Morrow St Newmarket
e-mail: Simon@roseandheather.co.nz
tel / fax: 09 520 4442
Please provide an outline of your activities / interests in relation to biogas.
As a Student of Bio Energy, I am interested in learning about all areas of Bio Energy.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Solid Energy New Zealand
Attendee name and contact details
Name: Fiona Crombie
Address: 2 Show Place Addington Christchurch
e-mail: Fiona.crombie@solidenergy.co.nz
tel / fax: 03 345 6263
Please provide an outline of your activities / interests in relation to biogas.
Looking for opportunities for using waste streams
What are you interested in finding out at the Workshop?

Company / Organisation Name
GHD Limited
Attendee name and contact details
Name: Albert Cheah
Address: Level1 Merial Building, Putney Way
e-mail: albert.cheah@ghd.co.nz
tel / fax: 09-2611495
Please provide an outline of your activities / interests in relation to biogas.
Capture and utilize biogas from waste treatment plant, and other potential biogas sources.
What are you interested in finding out at the Workshop?
To learn the latest technology in biogas production, application and system, and networking with all parties involved in biogas generation and utilization.

Company / Organisation Name	
Cenaught Ltd.	
Attendee name and contact details	
Name	Cameron Walker
Address	14 Aldersgate Rd, Hillsborough, Auckland 1042
e-mail	Cameron.walker@cenaught.com
tel / fax	09 6255230 / 021 127 0381
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Poultry Advisory Service	
Attendee name and contact details	
Name:	John McBride
Address:	33 Ropiha Street, New Plymouth 4312.
e-mail:	j.mcbride@xtra.co.nz
tel / fax:	Tel: 06 7574809 Mob: 0274 460 957
Please provide an outline of your activities / interests in relation to biogas.	
<p>My main work in recent years has been acting an agent for Tegel Foods Ltd. and other poultry producers for resource consent and RMA matters. There is a growing interest in the capture of biogas from by-products disposal systems by the industry.</p> <p>Currently I am assisting in the renewal of an Air Discharge resource consent for a large pig production unit in Taranaki, which includes the establishment of a covered anaerobic settling pond, aimed at capturing and utilising biogas.</p>	
What are you interested in finding out at the Workshop?	
My interest is mainly in the possible effect of such systems on the environment, and methods of controlling these, and to develop an understanding of the total process.	

Company / Organisation Name	
Tubman Heating and Gasfitting Ltd.	
Attendee name and contact details	
Name:	Brian Tubman
Address:	Box 100 209 NSMC AK 0745
e-mail:	brian @tubman.co.nz
tel / fax:	021 958 120
Please provide an outline of your activities / interests in relation to biogas.	
Commissioning of biogas burning equipment , flares and boilers.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Sinclair Knight Mertz	
Attendee name and contact details	

Name	Selwyn Wong (in lieu Tim Dobbie)
Address	25 Teed Street, Newmarket, Auckland
e-mail	swong@skm.co.nz
tel / fax	09 913 8965 / 021 488 216 / 09 985 3686
Please provide an outline of your activities / interests in relation to biogas.	
Wastewater engineering, solids recovery for anaerobic digestion, biogas production plant design, waste heat utilization power generation.	
What are you interested in finding out at the Workshop?	
Update on processes in biogas applications for NZ.	

Company / Organisation Name	
Rural News Group	
Attendee name and contact details	
Name	Neil Keating
Address	Box 3855 Auckland 1 (Level 1 AON House 4 Fred Thomas Drive Takapuna Auckland)
e-mail	neilk@ruralnews.co.nz
tel / fax	09 913 9628 cell 021 230 1863 fax 09 307 0122
Please provide an outline of your activities / interests in relation to biogas.	
editor / reporter (animal health + technology/machinery/products/services)	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Connell Wagner Process Engineering Group	
Attendee name and contact details	
Name: Jamie Short	
Address: 102 Customhouse Quay, PO Box 1591, Wellington 6140, New Zealand	
e-mail: shortj@conwag.com	
tel / fax: 04 471 8732	
Please provide an outline of your activities / interests in relation to biogas.	
Connell Wagner has a professional process engineering group (previously Process Developments Ltd) based in Wellington and Tauranga offering design consultancy and project management of industrial projects. We have been involved in biodiesel, bioethanol, biogas, waste water treatment and landfill gas projects. My personal experience includes university research papers in renewable energy, projects for the office on the potential of biodiesel and bioethanol as a transport fuels in NZ, and waste water treatment projects in the dairy industry. My interest is in biogas is: transport applications and stationary power generation. Current use and opportunities, process technology, the economic feasibility, logistics and integration into energy sector, barriers and risks, available subsidies, comparison with other energy generation, environmental issues.	
What are you interested in finding out at the Workshop?	
Some of the above information.	

Company / Organisation Name	
Nielsen Marketing Ltd	

Attendee name and contact details
Name: Per Nielsen
Address: 175 Ohauti Rd, Tauranga
e-mail: psn@xtra.co.nz ; per@nielsenmarketing.co.nz
tel / fax: 07 928 4337
Please provide an outline of your activities / interests in relation to biogas.
Per Nielsen has previously worked as science leader for the bioenergy group at Scion and predominantly worked in the solid wood waste area. However has also been involved in small case cogeneration project, including small cogeneration of heat and power at dairy farms. Before coming to New Zealand 8 years ago, Per was involved in development of the biogas industry in Denmark. Involved in development wood gasification systems in New Zealand.
What are you interested in finding out at the Workshop?
Networking, see who is doing what.

Company / Organisation Name
Watercare Services Ltd
Attendee name and contact details
Name Eddie Deetlefs, Estera Sparchez, Trevor Rudolph
Address PO Box 59077, Mangere Bridge, Manukau 2151
e-mail c/o ICripps@water.co.nz
tel / fax
Please provide an outline of your activities / interests in relation to biogas.
What are you interested in finding out at the Workshop?

Company / Organisation Name
InnovIQ Ltd
Attendee name and contact details
Name: Kristian Slack
Address: 35 Ropiha Street, Fitzroy, New Plymouth
e-mail: kristian@innoviq.com
tel / fax: 021 701 307
Please provide an outline of your activities / interests in relation to biogas.
Innovation and commercialisation of clean energy technologies. Development of competitive positions for NZ companies and NZ developed technology.
What are you interested in finding out at the Workshop?
NZ capabilities and international participation in biogas technology development and commercialisation.

Company / Organisation Name
Ministry of Agriculture & Forestry
Attendee name and contact details
Jo Buckner, Principal Advisor - Energy
P O Box 2526, Wellington
Jo.buckner@maf.govt.nz
Tel: (04) 894 1475
Please provide an outline of your activities / interests in relation to biogas.

Jo is a senior official involved in the development and implementation of sustainable energy and climate change policy. She has also worked on the environmental impacts of transport and has an interest in the uptake of biofuels.

As Principal Advisor – Energy with the Ministry of Agriculture and Forestry (MAF) she is working to progress energy innovation in the rural sector. A key focus of her role is to see distributed electricity generation from renewable energy sources established as a viable alternative to lines supply in rural areas.

What are you interested in finding out at the Workshop?

- Better understanding of biogas technologies and the opportunities for uptake
- Identification of the barriers to uptake

Company / Organisation Name
MAF Sustainable Farming Fund
Attendee name and contact details
Name: Diana Mathers
Address: PO Box 11016, Hastings
e-mail: diana.mathers@maf.govt.nz
Phone: 06 974 8816, 029 974 8816
Please provide an outline of your activities / interests in relation to biogas.
Have been involved in 1 SFF project involving bio gas. Also, have been involved with a number of unsuccessful project applications.
What are you interested in finding out at the Workshop?
General information. Meeting key people in the industry.

Company / Organisation Name
Te Awamutu College Teacher based at University of Waikato for 2008
Attendee name and contact details
Name John Dudli
Address 68 McFall Road, RD 3 Ohaupo
e-mail
tel / fax 07 871 6073
Please provide an outline of your activities / interests in relation to biogas.
I am on a teacher fellowship doing research into energy efficiencies in the dairy industry – one of the areas is biogas.
What are you interested in finding out at the Workshop?
The progress NZ has made in using the biogas technologies.

Company / Organisation Name
University of Waikato
Attendee name and contact details
Name Hugh Morgan
Address University of Waikato, Dept. of Biological Sciences, Hamilton
e-mail h.morgan@waikato.ac.nz
tel / fax 07 838 4705 / 07 838 4324
Please provide an outline of your activities / interests in relation to biogas.
Thermophilic fermentation and role of methanogens in removing end-point inhibition.
What are you interested in finding out at the Workshop?
State of play in commercial applications; substrate range for fermentation; diversity of methanogens.

Company / Organisation Name	
Waikato Breeding Co. Ltd.	
Attendee name and contact details	
Name	Steve Bundred
Address	46 Waring Road, R1 Taupiri, 3791
e-mail	
tel / fax	078 246642 / 078 246 632
Please provide an outline of your activities / interests in relation to biogas.	
Pig Farmer	
What are you interested in finding out at the Workshop?	
What can we do with the gas off the ponds and what we can run.	

Company / Organisation Name	
Lakeland Steel Products	
Attendee name and contact details	
Name	Cory Leatherland
Address	3 Davies Street, Rotorua
e-mail	cory@lakelandsteel.co.nz
tel / fax	027 2768367
Please provide an outline of your activities / interests in relation to biogas.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name	
Allan Escourt Ltd.	
Attendee name and contact details	
Name	Allan Escourt
Address	PO Box 1988, 22 Te Ngae Road
e-mail	aelted@xtra.co.nz
tel / fax	07 347 7261 / 07 347 7698
Please provide an outline of your activities / interests in relation to biogas.	
Quality of gas and equipment for utilization.	
What are you interested in finding out at the Workshop?	
Anything.	

Company / Organisation Name	
Zero Waste New Zealand Ltd	
Attendee name and contact details	
Name	Jo Knight
Address	PO Box 33 1695
e-mail	jo@zerowaste.co.nz
tel / fax	021 279 9487
Please provide an outline of your activities / interests in relation to biogas.	
Biogas systems to divert organics from landfill.	
What are you interested in finding out at the Workshop?	

Company / Organisation Name
PurePower Technology
Attendee name and contact details
Name: Ross Prestidge
Address: 29 Enfield St, Mt Eden, Auckland 1024 PO Box 8928, Symonds St., Auckland 1150
e-mail: ross.prestidge@purepowerglobal.com
tel / fax: ph (09) 632 1007 fax (09) 6321010
Please provide an outline of your activities / interests in relation to biogas.
PurePower is developing an integrated biofuels programme based on the transformation of plantation willow biomass into bioethanol, along with the valuable co-products natural lignin and xylose. We are interested in the potential utility of anaerobic digestion to convert waste streams from our biorefinery into biogas, which can then be used for process energy.
What are you interested in finding out at the Workshop?
I would like to use this opportunity to meet the major players in the NZ alternative energy scene.

Company / Organisation Name
Pure Power Technology
Attendee name and contact details
Name: Helene Belanger
Address: 29 Enfield Street, Mt Eden, Auckland, NZ PO Box 8928, Symonds St., Auckland 1150
e-mail: helene.belanger@purepowerglobal.com
tel / fax: 09 632-1006/ 09 632-1010
Please provide an outline of your activities / interests in relation to biogas.
Uses of biogas reactor for bio refinery liquid waste treatment
What are you interested in finding out at the Workshop?
How can this technology serve us the best???

Company / Organisation Name
Structurflex Limited
Attendee name and contact details
Name: Murray Higgs
Address: Private Bag 93113
e-mail: mjhiggs@structurflex.co.nz
tel / fax: 09 837 2350 / 09 837 2354
Please provide an outline of your activities / interests in relation to biogas.
Structurflex is a designer/manufacturer/installer of Anaerobic Digesters for capture of Biogas.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Structurflex Limited
Attendee name and contact details

Name: Elena Osborne
Address: Private Bag 93113
e-mail: eosborne@structurflex.co.nz
tel / fax: 09 837 2350 / 09 837 2354
Please provide an outline of your activities / interests in relation to biogas.
Structurflex is a designer/manufacturer/installer of Anaerobic Digesters for capture of Biogas. Elena Osborne is the Design Engineer at Structurflex.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Pattle Delamore Partners Ltd.
Attendee name and contact details
Name: Daryl Irvine
Address: PO Box 9528, Newmarket, Auckland
e-mail: daryl.irvine@pdp.co.nz
tel / fax: T: 09 523 6917 / F: 09 523 6901
Please provide an outline of your activities / interests in relation to biogas.
As wastewater engineers we are interested in biogas as a wastewater treatment by-product and a potential energy source for many of our industrial clients.
What are you interested in finding out at the Workshop?
1. Optimising biogas production;
2. Issues associated with utilising biogas in boilers – ie treatment etc.

Company / Organisation Name
New Zealand Trade and Enterprise
Attendee name and contact details
Name: Steve Tritt
Address: Box 9515, Hamilton
e-mail: steve.tritt@xtra.co.nz
tel / fax: 07 8468490 and fax 07 846 8491
Please provide an outline of your activities / interests in relation to biogas.
I have worked in the electricity industry with MRP and been involved in landfill gas projects geothermal and hydro development. I am now working with the NZ Clean Energy Centre on BioEnergy and geothermal direct use projects.
What are you interested in finding out at the Workshop?
Interested in meeting others working in the sector and to see what projects are going on.

Company / Organisation Name
Enviroschools
Attendee name and contact details
Name: Simon Thomson
Address:
e-mail: spt@wave.co.nz
tel / fax:
Please provide an outline of your activities / interests in relation to biogas.
What are you interested in finding out at the Workshop?

Company / Organisation Name
Livestock Improvement
Attendee name and contact details
Name: Ken Bartlett
Address: 10 Helmsdale Court, Hamilton
e-mail: kbartlett@lic.co.nz
tel / fax:
Please provide an outline of your activities / interests in relation to biogas.
Dairy Farm Consultant Whole Farm Approach
What are you interested in finding out at the Workshop?
Methane collection from Dairy Effluent.

Company / Organisation Name
Bruce Rowe
Attendee name and contact details
Name: Bruce Rowe
Address: 96 Muir Road, RD1 Te Awamutu
e-mail:
tel / fax: 07 871 6914
Please provide an outline of your activities / interests in relation to biogas.
Dairy Farming
What are you interested in finding out at the Workshop?

Company / Organisation Name
Scion
Attendee name and contact details
Name: Sheree Anderson
Address: Private Bag 3020 Rotorua
e-mail: sheree.anderson@scionresearch.com
tel / fax: 07 343 58 99
Please provide an outline of your activities / interests in relation to biogas.
What are you interested in finding out at the Workshop?