

Appendix 3.0 Description and remit of Working Groups

Working Groups

Each should consist of a minimum of 3 company representatives and 3 academics or persons in public administration. Each WG should aim to produce verifiable facts and figures in the area. In many cases companies have these figures and groups should verify them, and show working methods and sources. It is not intended to disclose confidential data.

1. Quantification of feedstocks (Feedstocks WG)

- Waste quantification - total quantities from various sources – converted to methane / heat; estimate of practical potentials
- Manures quantification - quantities, conversions used; practical energy potential; quantification of nutrient potential and equivalent cost
- Energy crops quantification - grass / other possible sources – conversion factors and realistic practical potential. For grass in particular meet with AFSB and gain agreement on figures produced.

2. Facts and Figures for alternative uses of Biogas (Alternative Uses WG)

- Bio-CNG Potential – potential contribution to RTFO as Bio-CNG plus facts and figures about HGV use in NI.
- Overcoming Barriers - Practical Examples (ideally with estimated costs (cost brackets?)) of practical alternatives to production and export of electricity from biogas – gas pipelines; heat as a service; clean-up and sale to central upgrader; upgrade and direct sale as bio-CNG; heat provision for electricity storage

3. Understanding financial issues (Financial Support WG) - examples/ case studies (anonymised if necessary) of how partnerships and plants have been/are being/can be funded – written in farmer-accessible language

4. Developing a regional research agenda (Research Agenda WG) – Start with capabilities of research groups; add prioritise be interests of companies in each of the areas. Find gaps – what aspects of biogas research that match needs of current innovation are not represented (and are therefore sought by the region in other partners)? What complementary expertise are the academic partners/companies looking for that are not available locally?

Information produced should be a starting point to capture interest. It needs to be accurate enough (with caveats) that we can stand over it for policy-makers, but not overly detailed. Anyone wishing to pursue areas will only be using the information as a starting point for their own investigations.

Groups should work in any way appropriate – meeting informally or remotely, by phone or email, or may wish to use on-line collaborative document sites such as Writeboard <http://123.writeboard.com/new> or Pirate Pad (more functionality - recommended) <http://piratepad.net/>

Outputs: informal word documents with images diagrams where appropriate – 2-3 pages or more if needed;

Membership of Working Groups

Groups made use of Dropbox to share working documents. The following tables show the initial membership of the working groups

1. Feedstocks WG

Leader	Robert Brennan	B9 Organic Energy
Support	Angela Orozco	QUB
Members	Elaine Groom	QUB
	Beatrice Smyth	QUB
	Thomas Cromie	AgriAD
	Mark Kelly	MK Environmental
	Christine Irvine	SWC
	Stephen Gilkinson	AFBI
	Morgan Burke	Stream Bioenergy
	Percy Foster	Cré – Composting and Anaerobic Digestion of Ireland

At least 3 meetings of the group in person and by teleconference took place between October 2013 and January 2014

2. Alternative Uses WG

Leader	Thomas Cromie	AgriAD
Support	Beatrice Smyth	QUB
Members	David Rooney	QUB
	Peter Watters	Peter Watters
	Stephen Glover	QUB
	Simon Murray	Questor
	Angela Orozco	Questor
	Christine Irvine	SWC
	James Browne	AFBI

At least 3 meetings of the group in person and by teleconference took place between October 2013 and January 2014

3. Financial Support WG

Leader	George Corr	Eco Dwellings & Financial Facilities Partners
Support	Geoff McCullough	QUB
Members	Neil O'Brien	AmberGreen Energy
	Thomas Cromie	AgriAD
	Conor Walls	Exchange Accountancy Services Ltd.
	William McIntyre	FTC & Financial Facilities Partners
	Angela Orozco	Questor
	Kevin Fitzduff	Stream Bionenergy Limited
	Pat O'Neill	Strategic Investment Board

At least 4 meetings of core members of the group took place between October 2013 and January 2014

4. Research Agenda WG

Leader	David Rooney	QUB
	Dominic McLarnon	UU
Support	Angela Orozco	Questor
Members	Stephen Gilkinson	Afbi
	Gary Lyons	Afbi
	Thomas Cromie	AgriAD
	Sam McCloskey	CASE - Questor
	William Morris	KTP
	Ciaran Prunty	QUB
	Elaine Groom	Questor
	Simon Murray	Questor
	Mark Kelly	SLR Consulting
	Christine Irvine	SWC
	Aaron Black	SWC
	Gary Hawkes	Ulster Farmers Union
	Jayanta Mondol	UU
	Pat O'Neill	SIB/DETI
Christopher Osborne	UFU	

Member of this group communicated informally by email and with industrial contacts.