

Task 37

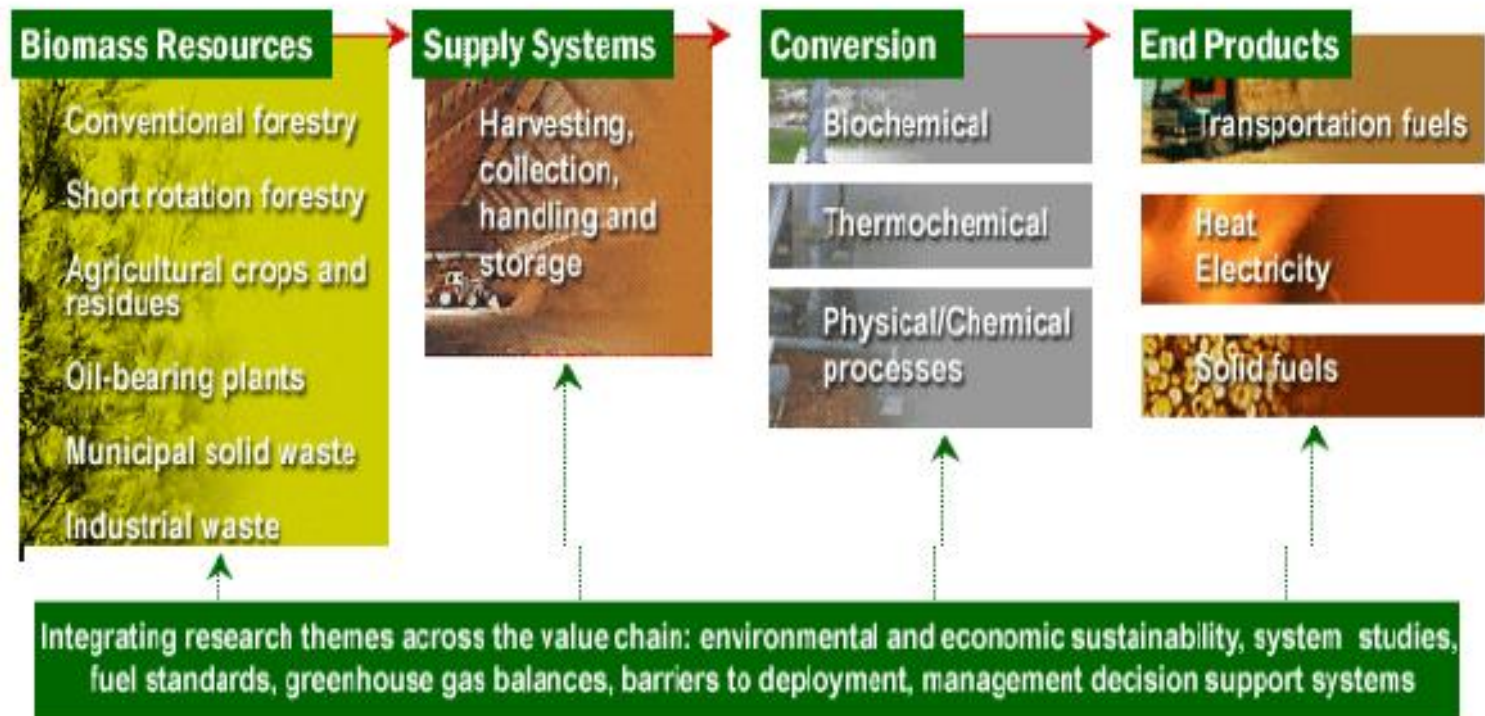
Energy from Biogas

An Overview

David Baxter



IEA Bioenergy





IEA Bioenergy Task 37

IEA Bioenergy presently comprises 12 Tasks

Task 29: Socio-Economic Drivers in Implementing Bioenergy Projects

Task 32: Biomass Combustion and Co-Firing

Task 33: Thermal Gasification of Biomass

Task 34: Pyrolysis of Biomass

Task 36: Integrating Energy Recovery into Solid Waste Management

Task 37: Energy from Biogas

Task 38: Greenhouse Gas Balances of Biomass and Bioenergy Systems

Task 39: Commercialising Liquid Bio-Fuels from Biomass

Task 40: Sustainable International Bioenergy Trade – Securing Supply and Demand

Task 41: Joint Project with the Advanced Motor Fuels Implementing Agreement

Task 42: Biorefineries: Co-Production of Fuels, Chemical, Power and Materials from Biomass

Task 43: Biomass Feedstocks for Energy Markets

Member countries participating in Task 37: Energy from Biogas

Austria	Bernard Drosig / Günther Bochmann
Brazil	Cícero Jayme Bley Jr.
Denmark	Teodorita Al-Seadi
European Commission	David Baxter (Task Leader)
Finland	Jukka Rintala / Outi Pakarinen
France	Olivier Théobald / Guillaume Bastide
Germany	Bernd Linke
Ireland	Jerry Murphy
Korea	Ho Kang
Netherlands	Mathieu Dumont
Norway	Roald Sørheim
Sweden	Tobias Persson / Mattias Svensson
Switzerland	Nathalie Bachmann
United Kingdom	Clare Lukehurst



IEA Bioenergy Task 37

Task 37

Work Programme 2013-2015



Scope of Task 37 Studies

- Agricultural slurries, crops & crop residues
- Organic fraction of municipal solid waste
- Waste water treatment/sewage sludge

- Heat, electricity generation & CHP
- Up-grading to biomethane - Injection into grid/compression for vehicle fuel

Work in progress

1. Pre-treatments of feedstocks, including ligno-cellulosic biomass
2. AD process monitoring techniques/process optimisation
3. AD of sewage sludge
4. Economics of small-scale biogas production
5. Digestate up-grading techniques
6. Biogas in Smart Grids
7. Biomethane as a vehicle fuel
8. Emissions monitoring and control
9. Success Stories (focus on successful projects)
10. Dissemination through contacts with local/national authorities and industry



Publications

**Biogas upgrading technologies –
developments and innovations**

Anneli PETERSSON
Arthur WELLINGER



**Utilisation of digestate from
biogas plants as biofertiliser**

Clare T. LUKEHURST
Peter FROST
Teodorita AL SEADI



Biogas from Crop Digestion

Jerry MURPHY
Rudolf BRAUN
Peter WEILAND
Arthur WELLINGER



Web Address: www.iea-biogas.net

**Quality management of digestate
from biogas plants used as fertiliser**

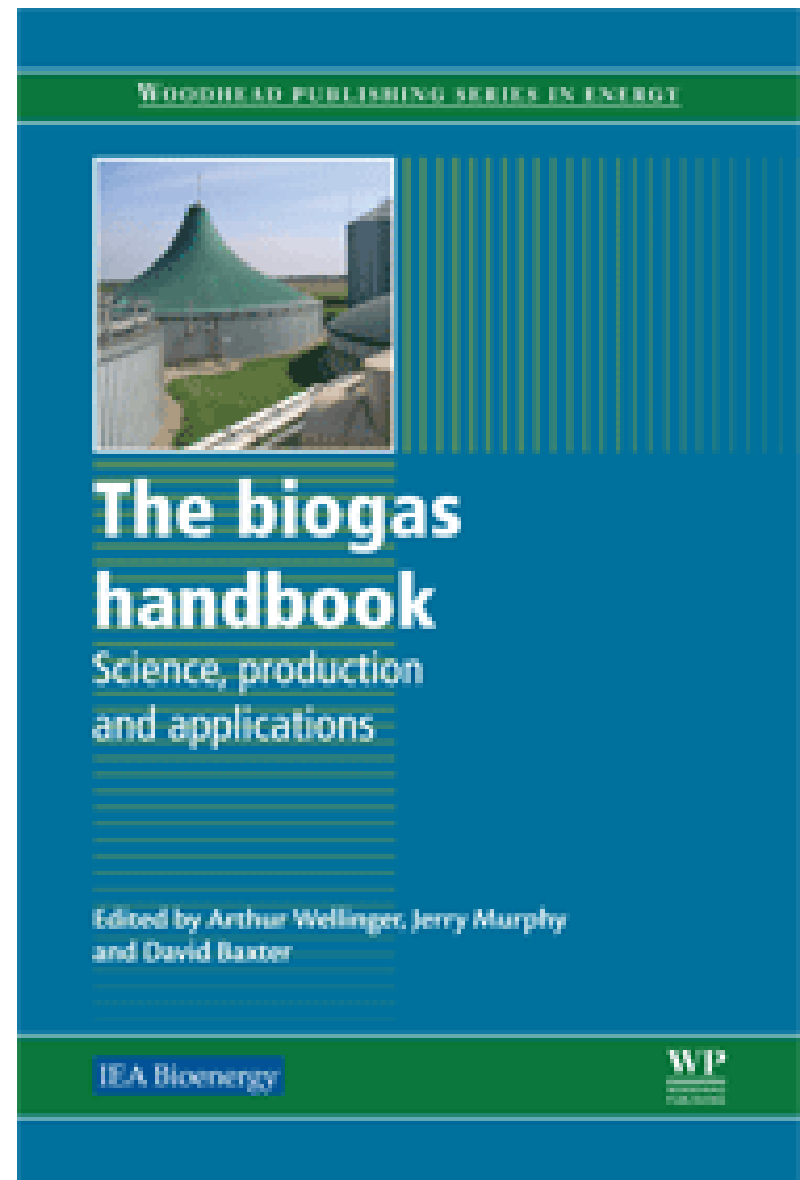
Teodorita AL SEADI
Clare LUKEHURST



The Biogas Handbook Science, production And applications

2013

[http://www.woodheadpublishing.com/
en/book.aspx?bookID=2576](http://www.woodheadpublishing.com/en/book.aspx?bookID=2576)





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All input welcome

All opportunities for dissemination welcome

Thank you for your attention