

19th - 21st February 2007 International Conference, Dublin Castle, Ireland

Sustainable Use of Biomass: in Soils or as Energy Source (Including Workshop on Brown Bin Collection and Study Tour Day)

Main Sponsors

- Department of Environment, Heritage and Local Government
- Environmental Protection Agency, Ireland
- Dublin City Council
- Institute of Technology Sligo, Ireland
- WRAP UK

Free bus from Dublin airport (depart at 9.30am) direct to Dublin Castle on 19th Feb

Programme 19th of February 2007

(Status 20. Dec. 2006)

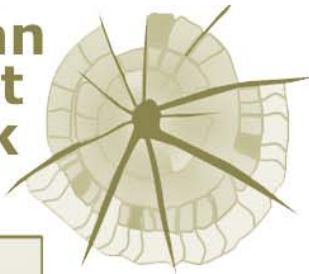
Session 1: Introduction and Framework

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| 8.30 - 9.45 h | Registration |
| 9.45 - 9.55 h | Opening & welcome address (<i>Conor McGovern, Chairman, Cré - Composting Association of Ireland, Sligo, Ireland</i>) |
| 9.55 - 10.20 h | Biomass, biowaste and bioenergy in the European context (<i>Josef Barth, European Compost Network ECN/ ORBIT e.V., Weimar, Germany</i>) |
| 10.20 - 10.35 h | Status of composting in Ireland in 2006 and Cré Projects (<i>Percy Foster, Executive Administrator, Cré - Composting Association of Ireland Teo, Sligo, Ireland</i>) |
| 10.35 - 10.50 h | National biodegradable strategy for Ireland (<i>Brendan O'Neill, Department of Environment, Heritage and Local Government, Dublin, Ireland</i>) |
| 11.30 - 11.55 h | Soil Protection and the EU Soil Thematic Strategy (<i>Luca Marmo, European Commission, Directorate General Environment, Belgium</i>) |
| 11.55 - 12.20 h | The role of organic matter for soil conservation in the global context (<i>John Gerarthy, Conservation Agriculture Ireland and World Association of Soil and Water Conservation, Tipperary, Ireland</i>) |
| 12.20 - 12.45 h | Targets and promotion of biomass and renewable energy recovery in Europe (<i>Dr. Karl Kellner, European Union Directorate General Energy and Transport, Brussels, Belgium</i>)* |
| 12.45 - 14.00 h | Lunch |
| 14.00 - 14.15 h | Keynote address (<i>Minister Dick Roche, Minister of Environment, Heritage and Local Government, Dublin, Ireland</i>) |

Parallel Session 2A: Workshop on Brown Bin Experiences in Europe

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| 14.15 - 14.35 h | Implementation of separate collection across Europe: introductory remarks on drivers, situation, obligations (<i>Dr. Enzo Favoino, Scuola Agraria Del Parco Di Monza, Italy</i>) |
| 14.35 - 15.05 h | An overview of different collection schemes and keys to efficiency - captures, collection frequencies, organics in residual waste (<i>Dr. Dominic Hogg, Eunomia Research & Consulting, Bristol, UK</i>) |
| 15.05 - 15.25 h | Summary of brown bin collections in Ireland (<i>Lorraine Herity, RPS, Dublin, Ireland</i>)* |
| 16.00 - 16.25 h | In-sink macerators & potential for brown bin collection in high rise buildings, EPA ERTDI Study (<i>Carmel Carey, RPS, Dublin, Ireland</i>)* |
| 16.25 - 16.55 h | Implementation of separate collection of biowaste in a densely populated area and comparison against commingled collection of mixed MSW (<i>Dr. Enzo Favoino, Scuola Agraria Del Parco Di Monza, Italy</i>) |
| 16.55 - 17.15 h | Decentralised separate collection and treatment of biowaste by farmers, case studies and examples from Austria (<i>Florian Amlinger, KEB Compost - Consulting & Development, Perchtoldsdorf, Austria</i>) |
| 17.15 - 17.45 h | Cost assessment of separate collection - an evaluation of key factors for economic and operational optimisation including financial tools like PAYT systems, promotion of home composting, etc. (<i>Dr. Dominic Hogg, Eunomia Research & Consulting, Bristol, UK</i>) |

* Subject to final confirmation



Parallel Session 2B: Biomass and Renewable Energy Production

- 14.15 -14.40 h Future development and framework for the utilization of biomass (*F. Müller-Langer, Institute for Energy and Environment, Leipzig, Germany*)
- 14.40 -15.05 h Biomass market development, case study from the Federal State of Hessa (*T.Turk, Kompetenzzentrum Hessenrohstoffe, IGW Witzenhausen, Germany, FNR cancelled*)*
- 15.05 -15.30 h Greenwaste treatment options; impacts on soil and climate change (Prof Dr. M. Kranert, Univ. Stuttgart, Germany)
- 15.30 -16.00 h *Coffee Break*
- 16.00 -16.25 h Biomass feedstock preparation - latest technology developments (*A. Kunter, Komptech, Frohnleiten, Austria*)
- 16.25 -16.50 h Biomass recovery synergies between agriculture & waste management (*Dr. W. Müller, IGW Witzenhausen, Germ*)
- 16.50 -17.15 h Effects of growing energy crops on the humus content and fertility of soils (*Dr. Dieter Horlacher, Humbolt University, Berlin, Germany*)
- 19.30 h *Social Evening in the Guinness Storehouse - Tour, buffet meal and Irish music*

Programme 20th of February 2007

Session 3: Beneficial Use of Biomass in Soils

High Quality Compost and Use in Peat Replacement

- 9.00 - 9.25 h Production of high quality compost from various feedstocks – greenwaste, biowaste, digestate and agricultural residues (*Dr. K. Schleiss, Umwelt- und Kompostberatung, Switzerland*)
- 9.25 - 9.50 h Using compost as a peat replacement - the peat industry's perspective (*Dr. Munoo Prasad, Bord na Móna, Ireland*)
- 9.50 - 10.15 h Manufacturing peat reduced compost products - the plant operator's perspective (*Marion Bieker, Humus & Erdenkontor, Witzenhausen, Germany*)*

Benefits of Compost Use

- 10.45 - 11.10 h Compost application to soils - a precautionary approach (*Florian Amlinger, KEB, Perchtoldsdorf, Austria*)
- 11.10 - 11.35 h Key benefits of compost use for the soil-plant system (*Prof. Stephen Nortcliff, Univ. of Reading, Reading, UK*)*
- 11.35 - 12.00 h 11 years of experiences with compost application in agriculture - the real benefits and risks for soils (*Prof. Dr. Kluge, LUFA Augustenberg, Karlsruhe, Germany*)
- 12.00 - 13.00 h *Lunch*

Use of Compost in Agricultural Land

- 13.00 - 13.25 h Agricultural humus management using high quality certified composts (*Dr. Stefanie Siebert, BGK, Cologne, Germ.*)
- 13.25 - 13.50 h A tillage farmer's requirements for compost use (*Gerald Potterton (Farmer) Trim, Ireland*)
- 13.50 - 14.15 h The Impact of the Nitrates Directive on the use of compost on land & research arable crop trials using greenwaste compost (*Gerry Bird, OCAE Consultants, Enfield, Ireland*)

Beneficial use of Biomass in Soils

- 14.45 - 15.10 h Review of compost applications in agriculture, landscaping, horticulture ... (*Anne O'Brien, WRAP, Banbury, UK*)
- 15.10 - 15.40 h The Växtkraft Project - Closing the loop between city and agriculture for the production of renewable energy, fuels and nutrients by means of digestion of biowaste and energy crops (*Per-Erik Persson, Vafab, Västerås, Sweden*)
- 15.40 - 16.10 h Final discussion and closing remarks (*Josef Barth, ECN, and Conor McGovern, Cré*)

Programme 21st of February 2007 - Study tours day

- 8.00h - 14.00h Visit to composting sites blending and bagging facilities (Enrich & Bord na Mona). Bus will arrive back at Dublin airport at 3.30pm.
- Participation: Registration is 350 Euro +VAT for ECN/CRE members, 400 Euros +VAT for non members. Social Evening in Guinness costs 50 Euros +VAT. Conference details, updates and registration form can be found at on the conference website www.cre.ie/dublin2007, Conference Manager Percy Foster, email: dublin2007@cre.ie
- Organisation: European Compost Network ECN/ORBIT e.V. in co-operation with Cré Composting Association of Ireland Teo