

Clean Technology Centre,  
Cork Institute of Technology

# Introduction to CTC; NEES Project Kick Off Meeting, Cork, June 2011

Tadhg Coakley  
Colum Gibson

[www.ctc-cork.ie](http://www.ctc-cork.ie)

CIT

Institiúid Teicneolaíochta Chorcaí  
Cork Institute of Technology



# CTC Established in 1991 - promoting sustainability for 20 years



# Founded in partnership



European  
Regional  
Development  
Fund

- ADM
  - Cognis (Henkel)
  - GlaxoSmithkline
  - Heineken (Murphy's)
  - Janssen
  - Klinge
  - Lilly
  - MSD
  - Pfizer
  - Pfizer (Hicksons)
  - Roche (Syntex)
  - SIFA
  - Yamanouchi
- Support
- Financial
  - "Backing"



## CTC Mission:

**“To advise and assist industry, government and society alike towards a more sustainable pattern of consumption and production.”**

**Research, Consultancy,  
Training/Education**



# Pure and Applied Research

CTC has carried out over 100 environmental research projects with over 120 partners from 32 countries.

Clients include

- Local authorities,
- National agencies,
- Departments of the Irish Government
- several Directorates General of the European Commission



# Research Areas

- Cleaner production
- Environmental management systems
- Governance, policy issues:
- Environmental technologies
- Award Schemes
- Resource Efficiency
- Energy Management
- Socio economic factors
- Tracking and inventorying of materials
- Training and education
- Environmental, health & safety legislation
- Economic supports and instruments
- Benchmarking
- Green public procurement
- Ecolabels
- Technological Best Practice
- Innovation for Sustainability
- Life Cycle Assessment

# CTC Research Clients

- European Commission
  - DG: Environment... (LIFE: 4)
  - DG: Education... (LDVI: 4; LDVII: 9; Tempus (1))
  - DG: Science... (4FP: 2; 5FP:1; FP6: 1; IEE 2)
  - DG: External Relations... (PHARE:1)
  - DG: Industry (GEPNET:1)
  - Europaid (EU Asia Invest: 2)
- EPA Ireland
  - Various programmes (36)
- Enterprise Ireland
  - Various programmes (3)
- Irish Local Authorities
  - >20 local authorities (10)
- Forfas (2), Failte Ireland, Bord Iascaigh Mhara,
- SEAI



# CTC Research Partners Network

- Ireland (>25)
- Austria (16)
- Netherlands (9)
- Italy (7)
- Denmark (6)
- Germany (12)
- Latvia (4)
- Czech Republic (4)
- UK, Portugal, Finland, Poland, France, Romania, Greece (5)
- Slovenia , Sweden,
- Slovakia, Spain, China, (3)
- Hungary, Macedonia, Estonia, Lithuania, Switzerland, Bulgaria, Mongolia, Croatia, Luxembourg (1)

>120 partners, 32 countries



# Industrial Support/Consultancy



- Environmental research and consultancy to a wide range of clients, national and international. Industrial portfolio of over 200 companies.
  - Individual companies, many sectors
  - Sectoral groups, and
  - Umbrella industrial organisations



# Industrial Sectors



- CTC has provided training, awareness raising and environmental consultancy to the sectors:

chemical,	electronics,
pharmaceutical,	plastics,
medical devices,	healthcare,
food,	dairy,
textiles,	tourism,
hospitality	service sector

# CTC Services to Industry



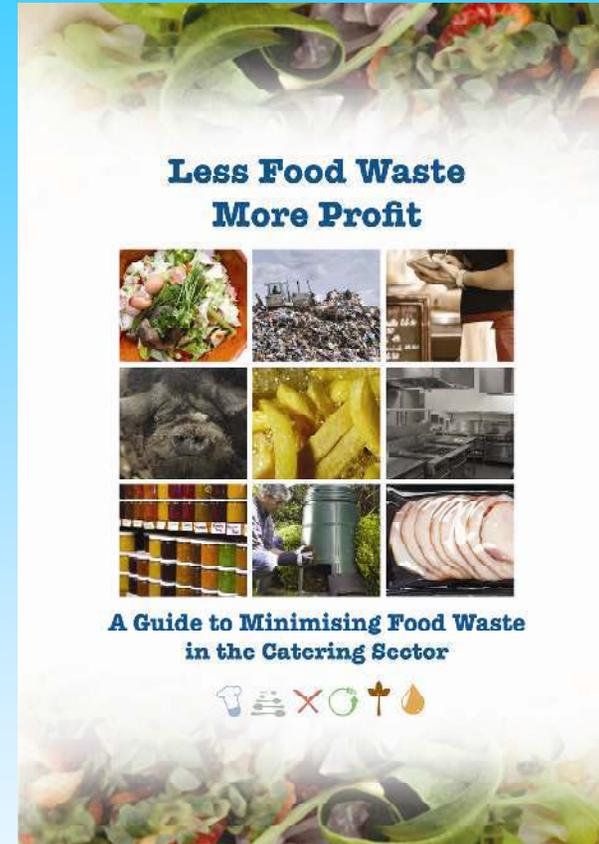
- Environmental Management Systems
- Audits
- Training
- Environmental, health & safety legislation
- Strategic environmental management
- Grant-aid & Award application assistance
- Sustainable waste management
- Cleaner production
- Hospitality Sector Services
- Cleaner Technologies
- Integrated Pollution Prevention Control Licensing
- Hazardous waste assessment
- Energy management



# Main Current Work:

## 1. Food Waste prevention

[www.stopfoodwaste.ie](http://www.stopfoodwaste.ie)



# Main Current Work:

## 2. Green Hospitality Programme



[www.greenhospitality.ie](http://www.greenhospitality.ie)



# Main Current Work:

## 3. LAPN (2010 - )



# LAPN

Local Authority Prevention Network

[www.localprevention.ie](http://www.localprevention.ie)

12 local authorities, 9 projects +  
training programme



# Main Current Work:

## 4. Green Healthcare Programme



>20 hospitals and healthcare facilities



# Main Current Work: EU (1)

- Assessment and guidance for the implementation of EU waste legislation in Member States (DG Env.)
- Creative Trainer II: 2010 - 2012 (LdV)



# Main Current Work: EU (2)

## IEE



- IUSES - Intelligent Use of Energy in Schools (Intelligent Energy Europe Programme) 2009 - 2011
- EINSTEIN II (thermal energy audit and efficiency tool) 2010 - 2012



# Training/Teaching CIT Undergraduate and Postgraduate



- Training: Industry and Local Authorities
- B.Eng (Chemical & Process)
- Nat Dip Elec Eng
- B.Sc (Analytical chemistry with quality assurance)
- B.Sc (Biosciences)
- B.E. Sustainable Energy
- MSc Sustainable Energy
- MSc Structural Engineering



# Clean Technology Centre, CIT 1991 - 2011

**Research**

**Consultancy**

[www.ctc-cork.ie](http://www.ctc-cork.ie)

**Training**

**Education**

