

Welcome to Solid Waste Management Seminar

Chair:

**Leon Agnew, Senior Executive
Innovation & Technology Transfer**

**Member IRC Thematic
Groups - Environment,
Renewable Energy**



Innovation Relay Centre Network

Austria
Belgium
Bulgaria
Chile
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Ireland
Israel
Italy
Latvia
Lithuania
Luxembourg
Malta
Netherlands
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom

Enterprise Ireland Mission Statement

To help Irish companies bring better products, services, and customer solutions to world markets.

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Technology Transfer Department

Objective –

To help Irish companies build
“Technology Partnerships”

National & Transnational Technology
Transfer Agreements



Technology Transfer

The Innovation Relay Centres IRCs

IRC's help organisations obtain and exchange the technical information they need to continually innovate.

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33 Countries - 71 Centres - 230 Offices
2000 Specialists
14 Thematic Groups





**More Efficient Transnational Technology Transfer
in the Environmental Sector**

Metttes Project:

To accelerate the flow of Transnational
Technology Transfer in the
Environment Sector



Solid Waste Management

Waste-to-Resource

Recycling & Re-use

Energy – Thermal Treatment

Composting - Fertilisers

Landfill – Gas collection



Challenge

European Union

1.3 billion tons of waste produced every year
– 40 million tons of hazardous waste

3.5 tonnes for every man, woman, and child,
+ 700 million tons of agricultural waste

By 2020 – Estimate 1.8 billion tons

EU Sixth Environment Action Programme

Waste prevention & management one of the
top four priorities



Link to Economic Growth

Objective is to decouple waste generation from economic growth through:

Waste prevention

Recycling and reuse

Improving final disposal and monitoring



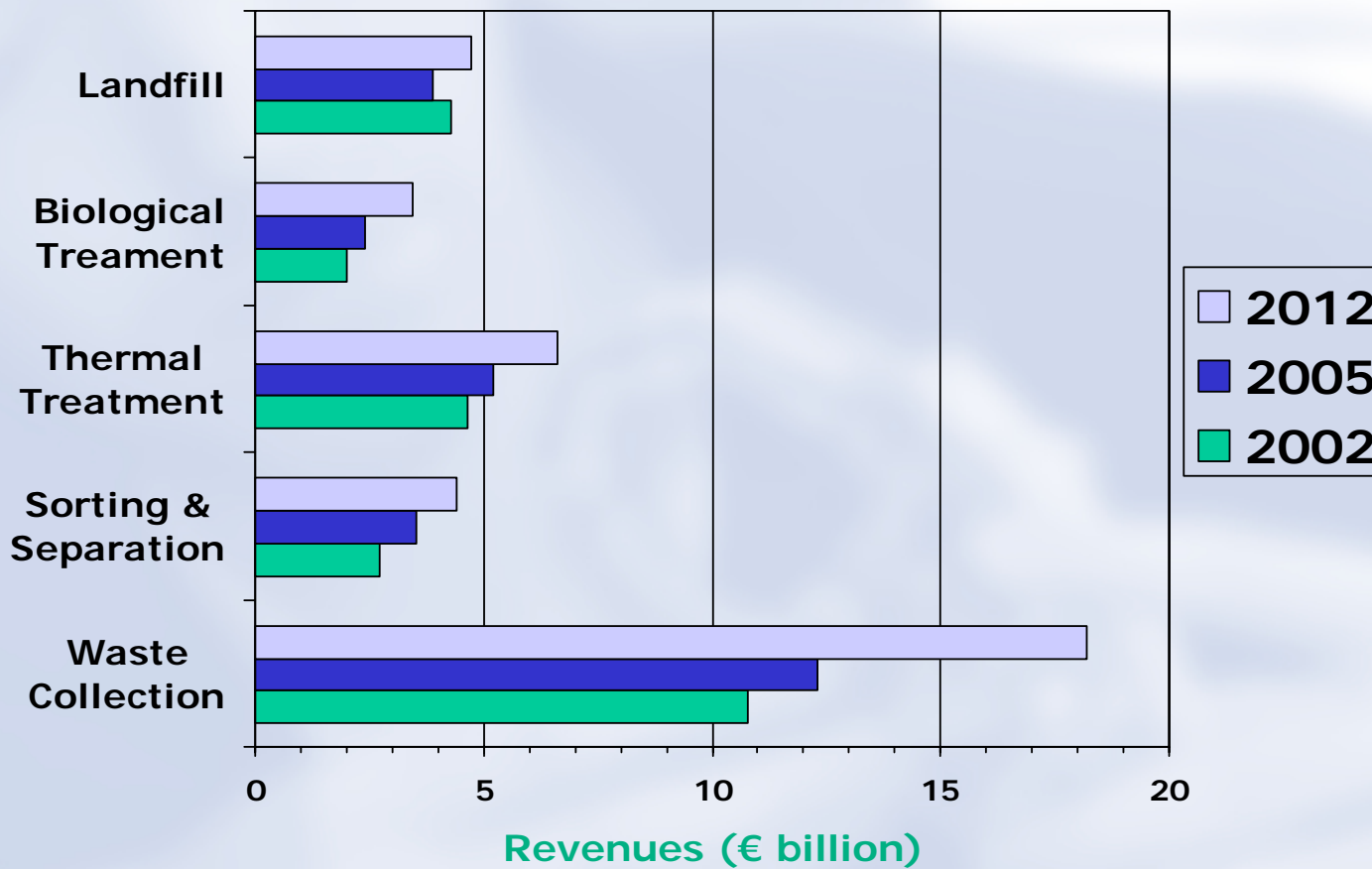
Market Dynamics

Growth: MSW 2005 €28 billion
2012 >€40 billion

- From:
- Rising waste volumes
 - Better treatment technology
 - Sorting/separation and biological treatment
 - EU landfill directive
 - Capacity constraints
 - Landfill taxation in many countries



Municipal Waste Management Services Market: Revenue Growth Opportunities by Services Type (Europe), 2002-2012



Note: All figures are rounded. Source Frost & Sullivan



Market Drivers SWM

- ✦ Economic Growth
- ✦ Policy Commitments of European, national and regional governments
- ✦ Growth in Pre-Treatment Methods
- ✦ Impact of Taxation on Prices



Networking

“Networks determine which ideas become breakthrough”.

“Personal networks promote exceptional individual creativity”.

Harvard Business Review 2005



**Thank you
for your attention**

