

**SEI Presentation
Dundalk 2020**

Declan Meally

**NASC Conference
5th June 2008**

- SEI
- Dundalk 2020 Research Project

SEI – Who we are



National Energy Agency

Sustainable Energy Act 2002

Sustainable Energy Authority
of Ireland

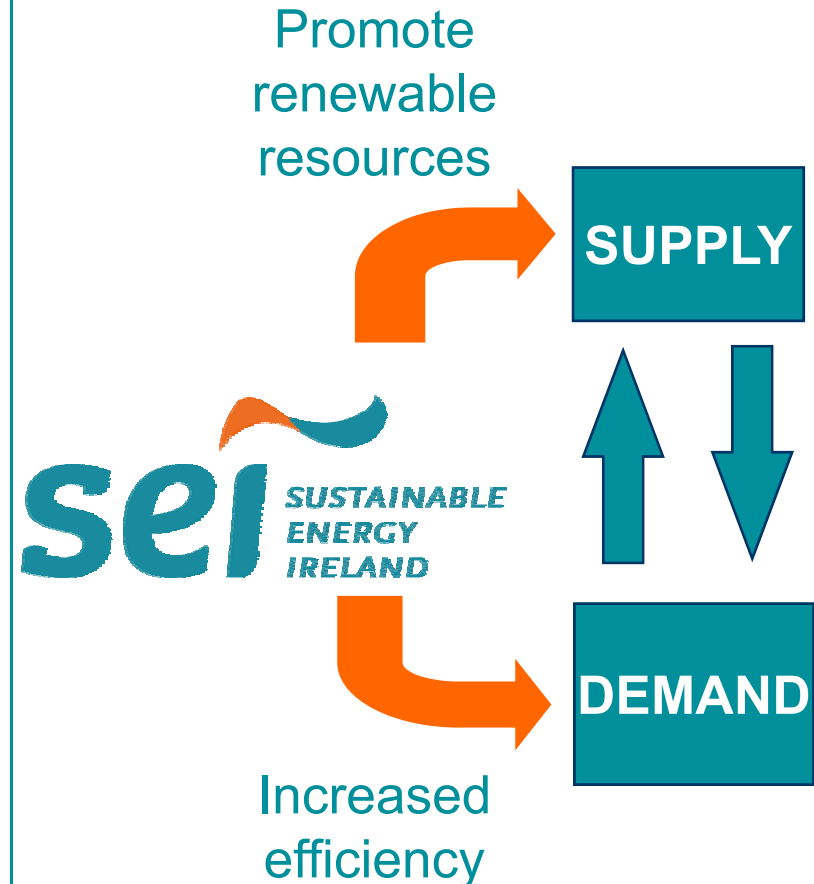
Mission: To promote and assist
the development of sustainable
energy



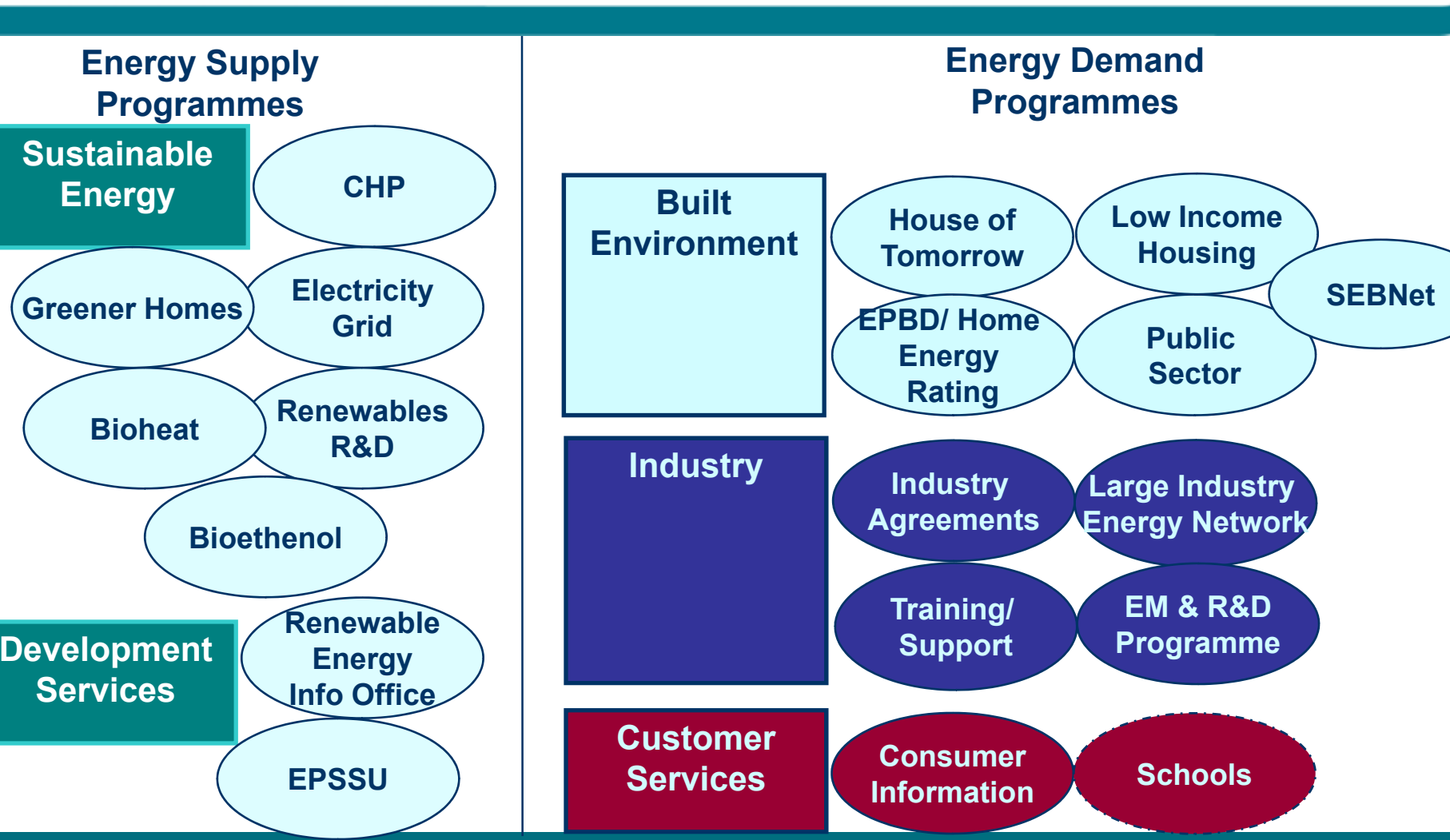
SEI – What we do

Our Focus:

- Energy efficiency
- Renewable energy
- Combined heat and power
- Reduce adverse emissions (incl. GHG) from energy



SEI – How we do it

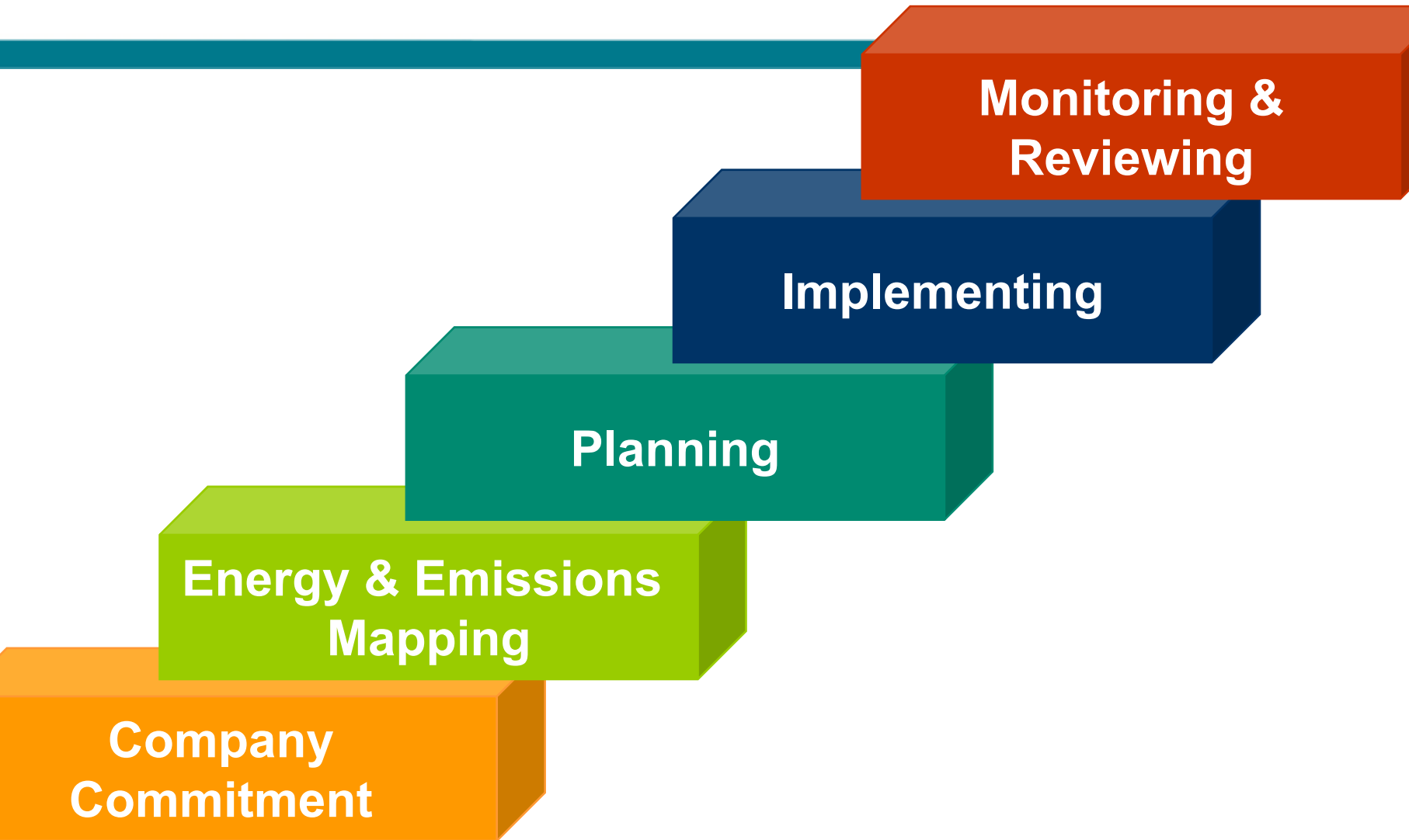


Programmes for Business

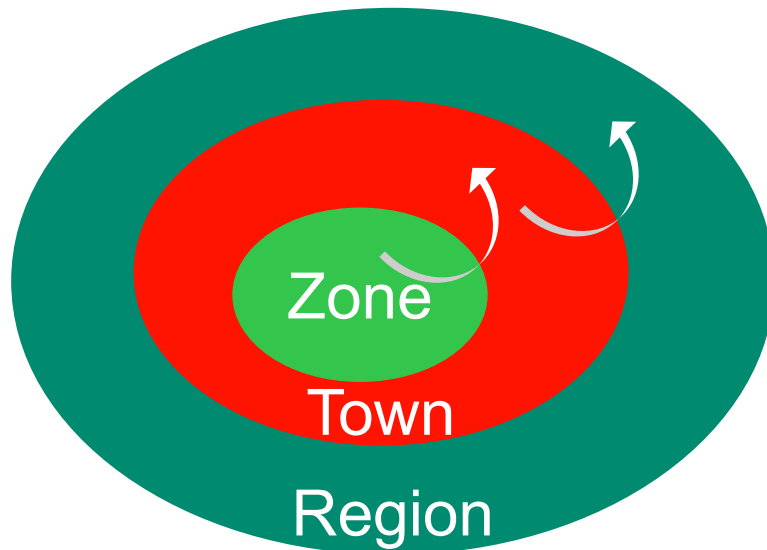


- Energy Agreements
- Energy MAP
- Large Industry Energy Network
- Training

Programme for Business 5 Step Approach



Dundalk 2020 Sustainable Energy Community



The Mission and Targets



- **The Mission...**to effectively demonstrate and promote the range of technologies, techniques, policies and behaviours that will deliver a sustainable energy future for Ireland.
- **The Targets...**(by 2010)
 - **20% Renewable Heat**
 - **20% Renewable Electricity**
 - **40% *greater* Energy Efficiency *in designated buildings***

Dundalk Sustainable Energy Zone

- Hospital
- Residential
- Industrial/Manufactural
- Retail/Commercial/Leisure
- Educational



To M1 Motorway

To Dublin

Dublin Road N1

To Dundalk Town Centre

Eastern By Pass Road NS2

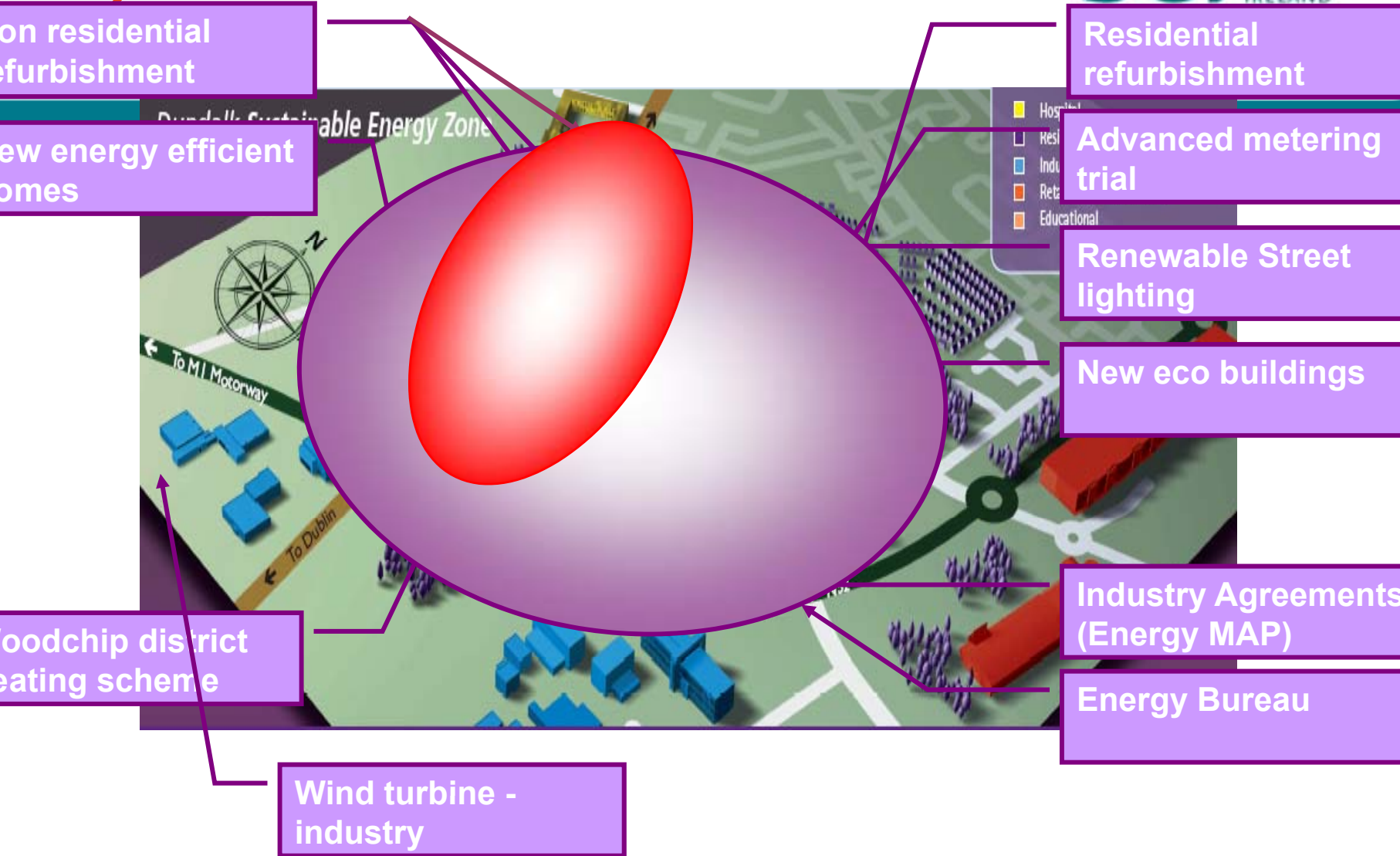
Eastern By Pass Road NS2

Hoey's Lane

Hoey's Lane

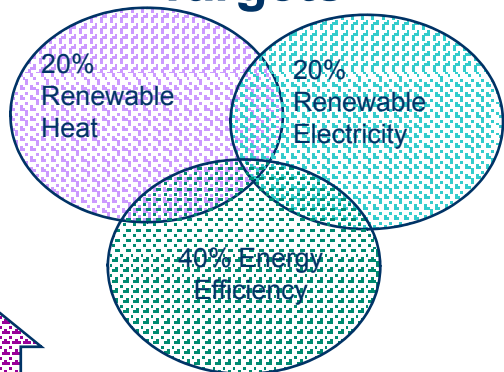


Dundalk Sustainable Energy



Dundalk 2020 Project Management Process

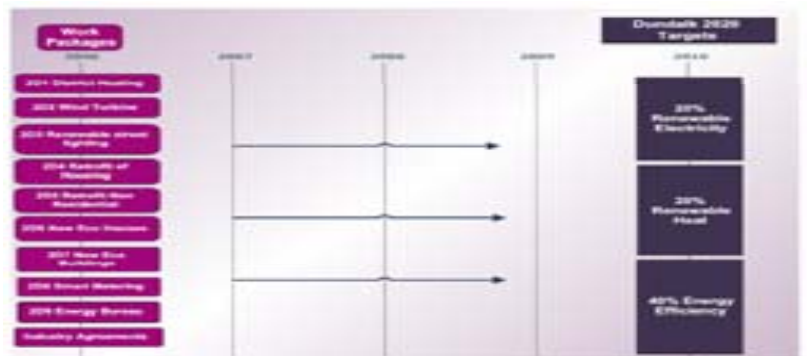
Targets



Project Management



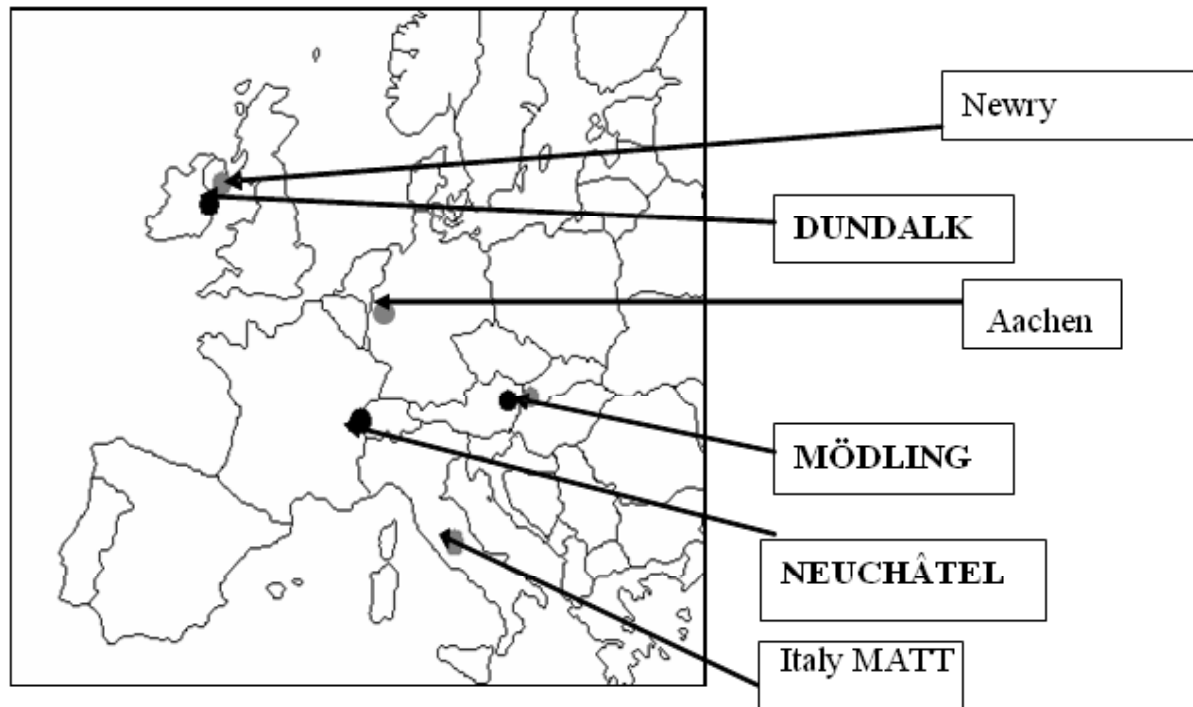
Project Plan



Management Process



Concerto – HOLISTIC Europe



Holistic **O**ptimisation **L**eading to **I**ntegration of **S**ustainable **T**echnologies In **C**ommunities

Dundalk SEZ

Current Action Group activities



ESCo:

- ESCo contractual arrangements – district heating & wind turbine.
- Planning
- Fuel supply research
- Energy Master plan

Built Environment

- Local area plan variation – D2020 targets
- DTC – condensing boiler project – warmer homes scheme
- HOT development 234 houses.
- Refurbishment Hospital, DKIT, secondary school.
- RE lighting

Socio Economic

- Socio-economic behavioural research

Industry

- Energy MAP – Industry and Local Authority
- Transport initiative

Demand Side Management

- Advanced metering pilot
- Micro generation study (Micro wind & CHP)

Communications

- Communications plan – knowledge management
- Dundalk 2020 Brochure and web development
- Stakeholder management

HOLISTIC

- Concerto contract

Who's involved



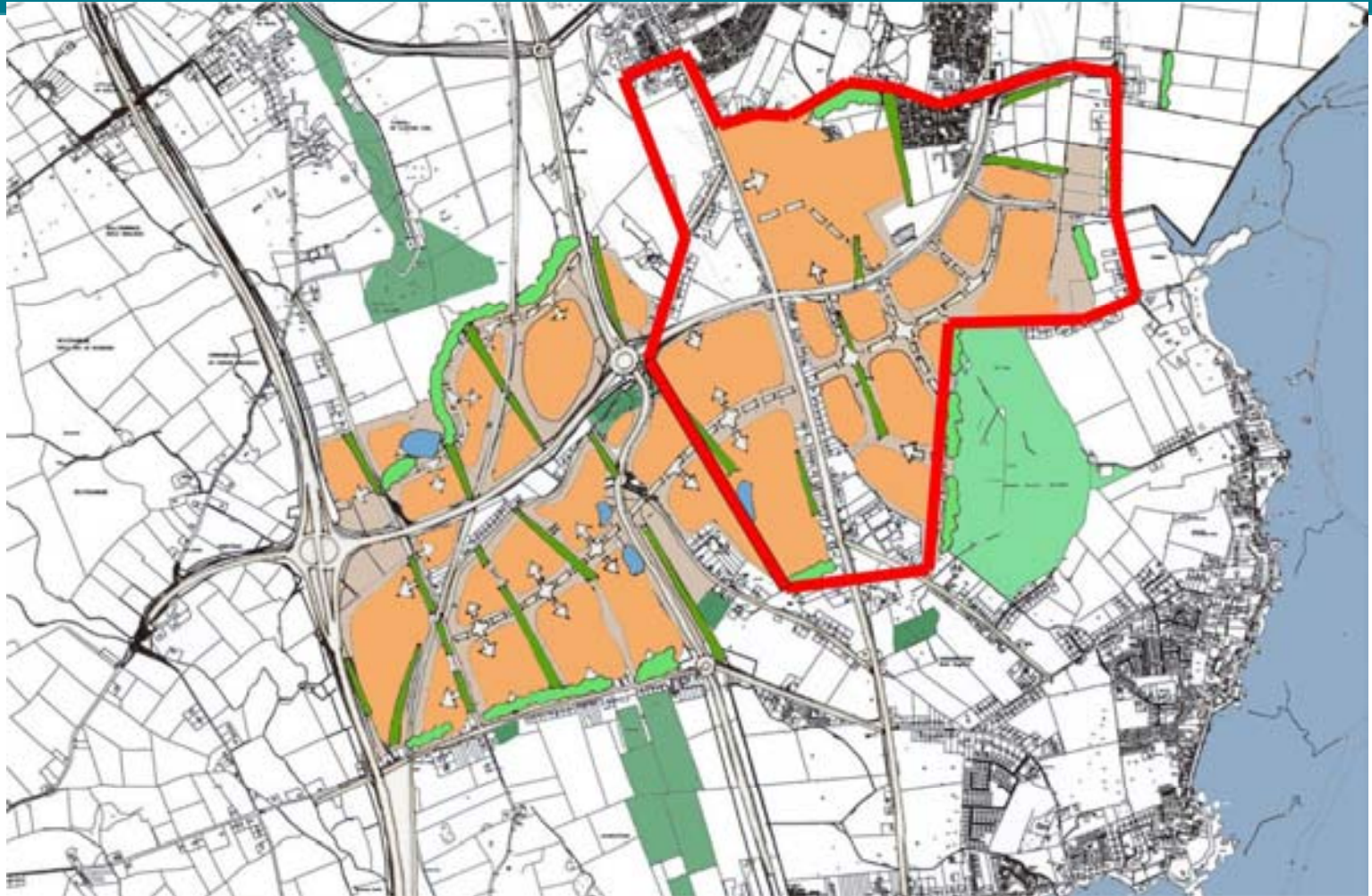
- Dundalk Town Council
- Louth County Council
- Newry & Mourne District Council
- Dundalk Institute of Technology (DKIT)
- IDA
- Enterprise Ireland
- Dundalk Chamber of Commerce
- ESB Networks
- ESB Customer Supply
- HSE – Louth Hospital
- Dept of Education
- Xerox
- Heinz
- Crowne Plaza Hotels
- Building Developers – Bennett's (Green Park) , Adston Developments
- Glen Dimplex
- And others

Town Related Developments



- Dundalk Town Energy Master Plan:
- Dundalk Gateway Innovation Fund
- Sustainable Transport Initiative
- Local Area / County Development Plan
- Public Engagement
- Dundalk Economic Development Group (DEDG)

Mullagharlin Framework Plan



Gateway Innovation Fund



SMART TRANSPORT



Photos





