

Title: Research & Innovation Questionnaire						Doc. ID:		
Responsible company:	WP No.:	Written by:	Version No.	Version date	Version status		Page:	
<i>CIDAE</i>	<i>WP7</i>	<i>T. Murphy</i>	<i>1</i>	<i>June 2004</i>	<i>Final</i>			1 of 5

- **QUESTIONNAIRE** on the research/innovation programme of European Union Member States
- **First stage (2004):** Member States on the 1st January 2004
- **Objective:** Identification of complementarities and barriers for collaboration

- **Member State**

Member State
Ireland

- **Generalities about the General Framework Programme / Agency responsible for initiating, steering and financing Multiproject programmes¹:**

Complete name
Sustainable Energy Ireland
Short name
SEI
Web page address – in national language
www.sei.ie
Web page address – in English
www.sei.ie
Duration of the Programme
2000 – 2006
Global objective of the programme / Agency
Sustainable Energy Ireland (SEI) has a mandate to promote and assist environmentally and economically sustainable production, supply and use of energy, in support of Government policy, across all sectors of the economy. SEI promotes and assists the development of sustainable energy, its key functions are:- (a) to promote and assist environmentally and economically sustainable production, supply and use of energy; (b) to promote and assist energy efficiency and renewable sources of energy; (c) to promote and assist the reduction of greenhouse gas emissions and transboundary air pollutants associated with the production, supply and use of energy; (d) to promote and assist the minimising of the impact on the environment of the production, supply and use of energy;

¹ In case there is not a General Framework Programme but an Agency responsible for initiating, steering and financing Multiproject programmes

Title: Research & Innovation Questionnaire						Doc. ID:	
Responsible company:	WP No.:	Written by:	Version No.	Version date	Version status	Page:	
<i>CIDAE</i>	<i>WP7</i>	<i>T. Murphy</i>	<i>1</i>	<i>June 2004</i>	<i>Final</i>	2 of 5	

(e) to promote and assist research, development and demonstration of technologies associated with functions (a) to (d).

(f) to provide advice, information and guidance to government and to all energy suppliers and users.

SEI has been given a 223 million funding provision for its operations and programmes under the Economic and Social Infrastructure Operational Programme of the National Development Plan 2000-2006.

Structure / Organisation / Core activities (priority areas etc.)

Priority Tasks

SEI is charged with delivering a range of funding and other targeted policy and market support programmes, and addressing priority actions identified in national and international energy policy documents.

SEI's programmes cover the built environment, industry, the public and commercial sectors, transport, and renewable energy.

In addition SEI's policy advisory activities, sectoral programmes and accompanying operations are designed to encourage early innovation and leverage.

The following list provides a summary of the targets and associated programmes operated by SEI:

Residential

National Target: An improvement in energy efficiency consistent with GHG reduction targets

Programmes: Home Energy Rating, Consumer Information, Low Income Housing.

Industry and Public Sector

National Target: Promote best practice and prepare for climate change agreements

Programmes: Public Sector, Industry Agreements, Technology Promotion.

Research and Development

National Target: Increase the volume of R&D undertaken to assist in meeting the our other objectives

Programmes: House of Tomorrow R&D, Industry R&D, Renewables R&D, Sustainable Transport R&D.

Renewable Energies & CHP

National Target: Increase heat and electricity generation from CHP and reduce emission by 0.25 MT CO₂/yr below 2000 levels

Programmes: CHP / District Heating

▪ Sections / Programmes related to Distributed Generation, DER and Renewable Energy

Name of the area
Renewable Energy RD&D Programme
Web page address – in national language
http://www.sei.ie/content/content.asp?section_id=540&language_id=1

Title: Research & Innovation Questionnaire						Doc. ID:	
Responsible company:	WP No.:	Written by:	Version No.	Version date	Version status	Page:	
<i>CIDAE</i>	<i>WP7</i>	<i>T. Murphy</i>	<i>1</i>	<i>June 2004</i>	<i>Final</i>	3 of 5	

Web page address – in English

http://www.sei.ie/content/content.asp?section_id=540&language_id=1

Objectives of the section / programme

- The Renewable Energy (RE) RD&D Programme aims to stimulate the deployment of RE by:
- Accelerating the development and deployment in the Irish marketplace of competitive renewable energy products, processes and systems.
- Providing support for solutions that enable technical and other barriers to market uptake and/or modal switching to be overcome.
- Establishing, where necessary, and strengthening, where possible, a national capacity to access, develop and apply international class RD&D in a way that can best meet specific Irish needs on a continuing basis.
- Facilitating and providing guidance to policy makers.

The programme will also seek to have an impact on:

- further grid integration of RE electricity
- electricity market integration

Research Priorities

The main focus of the RE RD&D programme is on stimulating the deployment of renewable energies. As such, the following types of RD&D activities will be given priority:

- Demonstration of technology innovation: aimed at higher risk, major projects that represent significant technical advances and/or cost reductions and have good replication potential;
- Innovative market demonstrations, where proven technology is used to demonstrate non-technical innovation (e.g. contractual arrangements, financing) for applications with high replication potential;
- Independent monitoring of projects/technologies;
- R&D aimed at the integration of renewable energy into the electricity market and the national electricity grid (and network);
- R&D into overcoming the barriers to development and deployment of large scale RE projects;
- Data monitoring, forecasting, communications and control of large RE systems;
- Specific applied research projects in renewable energy fields by research centres, third-level institutions and centres of excellence with a high level of expertise in the relevant area.

Budget

The programme was originally allocated an indicative budget of €16.25m (NDP) and provided support for product R&D and technology demonstration.

Administrative and financial issues

Institution responsible for the Programme

SEI, Ireland's national energy agency.

Web page address – in national language

Title: Research & Innovation Questionnaire						Doc. ID:	
Responsible company:	WP No.:	Written by:	Version No.	Version date	Version status	Page:	
<i>CIDAE</i>	<i>WP7</i>	<i>T. Murphy</i>	<i>1</i>	<i>June 2004</i>	<i>Final</i>	4 of 5	

www.sei.ie
Web page address – in English
www.sei.ie
Institution responsible for the Management of the Programme
SEI, Ireland's national energy agency.
Contact Person
Ms Siobhan O'Reilly (Siobhan.oreilly@sei.ie)
Web page address – in national language
www.sei.ie
Web page address – in English
www.sei.ie
Cost models and type of participants
<p>The programme is open to a wide range of research, development and demonstration projects, categorisation, and the level of support in each case, is related to the character of benefits and risks involved.</p> <p>All funding is subject to European Community limits on levels of State Aid. Funding support is expected to be available at up to the following percentages of eligible project costs:</p> <ol style="list-style-type: none"> 1. Shared cost Demonstration up to 25% (in some cases up to 10%) 2. Shared cost R&D up to 45% 3. Public good R&D up to 100% <p>Funding will be dispensed in the form of grant support.</p>
Call
The Call is open for proposals in all three categories. This present Call is open until further notice.

▪ **Type of financed projects / Programme implementation instruments**

- 1. Shared cost Demonstration:** Projects demonstrating particular Renewable Energy technologies or applications which, although at or near commercial viability and having potential for replication, currently face market barriers due to lack of expertise, knowledge or market confidence. The objective here is to gain information which will be made available to potential replicators to encourage action without further financial support under the programme. To facilitate this, independent monitoring at the programmes cost may be required.
- 2. Shared cost R&D:** Research and development into innovative technologies, systems or marketing approaches which support the commercial exploitation of Renewable Energies, including applied research and development, technology transfer and adaptation and market research/feasibility studies.
- 3. Commissioned public good activities:** activities directed at increasing the value and impact of the programme results, which will ultimately be used to inform policy (commissioned by separate Invitations for



Title: Research & Innovation Questionnaire						Doc. ID:		
Responsible company:	WP No.:	Written by:	Version No.	Version date	Version status		Page:	
<i>CIDAE</i>	<i>WP7</i>	<i>T. Murphy</i>	<i>1</i>	<i>June 2004</i>	<i>Final</i>		5 of 5	

Tender only – not open to *ad hoc* proposals).

- **Cooperation with other Member States and Regions and third countries**

Proposals by Irish entities relating to Renewable Energy RD&D and which have succeeded in attracting funding from other official national agencies or appropriate EU programmes will be considered for supplementary funding aimed at enhancing the benefits of the project in relation to Irish sustainable energy needs. Participation in other relevant international research networks, such as operated under the aegis of the EU or the International Energy Agency (IEA), may also be supported.

- **Other interesting Programmes**

House of Tomorrow programme

The House of Tomorrow programme will fund projects researching, developing and demonstrating sustainable energy practices in Irish housing. Its main focus will be on stimulating widespread uptake of superior sustainable energy planning, design, specification and construction practices in both the new home building and home improvement markets. That includes contributing to workable least cost and effective solutions in the form of improved technologies, products, processes, practices and policies aimed at impacting on the housing market. Those solutions may also lead to new business opportunities for sustainable energy products and services in home and export markets.

Low income housing

With a budget of €7.6 million, the Low Income Housing Programme will contribute to the establishment of a national plan of action to address fuel poverty in low income households in Ireland. SEI will implement a fund disbursement programme aimed at improving the energy efficiency of homes occupied by low income householders, and increasing the capacity of organisations in Ireland to deliver such measures. The action will be supported by a targeted information and awareness-raising programme.

- **Other interesting links**

[House of Tomorrow](#)

[Low income housing](#)