



# Expression of Interest Capability Matching Invite

## Background

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Technology Centres are market focussed, Industry collaborative research centres serving markets of scale, identified by industry and validated by Enterprise Ireland and IDA Ireland. Centres are highly visible focal points in the close to market research landscape anticipating future technology trends and opportunities for existing industry and acting as beacons for new foreign direct investment. Centres will form a key pillar of the research system by addressing an identified gap in the existing system. They are managed in accordance with successful delivery to contracted KPI's and continued industry relevance.

**The International Energy Research Centre is a key element of the Government's energy research strategy, which, inter alia, aims to develop world class and world scale energy research capability in Ireland that contributes to Ireland's energy and enterprise policies and is directly relevant to industry, in Ireland and abroad.**

## Invitation to submit an expression of interest

The IERC invites interested parties to submit a description of their professional suitability and their institutions capabilities with respect to the needs outlined below. The purpose of this exercise is to match respondent's capabilities with a proposed IERC project.

Due to commercial sensitivities, the specific technical challenges of the project will not be published. The IERC in conjunction with specific industry members, have analysed the technical challenges and identified the relevant skillsets and capabilities required to address them. The following document defines the draft research activities and invites interested parties to describe their capabilities and experiences in each domain area. Projects are multi-disciplinary in nature therefore submissions may involve the inclusion of one or more collaborating institutions. The respondent must identify a lead PI for the entire project and demonstrate that individual's suitability for the role. The respondent must also identify any co-PI's required to match the list of capabilities and confirm availability and commitments to collaborate on the project.

## Capability Requirements

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This is an IERC T2 collaborative research project. A consortium of industry partners has identified a significant research project. Project outcomes and an outline project definition has been agreed with the industry consortium which defines what is needed. The lead PI once selected will be required to work collaboratively with Co-PI's, the industry consortium and the IERC to complete a detailed project plan and full costing to detail how it will be achieved. The combined plan will be subject to internal and external financial and technical review.

The IERC has analysed the agreed primary project outcomes and the outline project definition with an industry consortium that will co-resource the project through Cash and In Kind Contributions. The primary outcomes of the project have only been scoped to a level that allows the identification of a comprehensive list of the competencies as outlined in section 1.2.

## Evaluation Criteria

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The following general evaluation criteria will be applied to each expression of interest arising from this call:

The assessment is based on the completion of Section 2 detailing;

- Lead PI technical expertise
- Lead PI leadership experience
- Comprehensive list of team capabilities as per project requirements
- RPO track record

## Submission Guidelines

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The purpose of this EOI submission is to identify a suitable Lead PI for the subsequent development and delivery of a fully scoped and costed proposal in partnership with the IERC.

The successful applicants will work directly with the industry members and the IERC team to fully scope and cost the project. Subject to external review, the applicants will be funded by the IERC and industry partners to deliver the project as scoped.

This process is non-binding, until final signoff by the IERC Centre Steering Committee, Industry Partners and Applicant Institution's signoff on Letter of Offer. Expressions of Interest should be submitted to [info@ierc.ie](mailto:info@ierc.ie)

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## Timelines:

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Indicative timelines (subject to respective partner availability) are outlined below:

<b>Activity</b>	<b>Indicative Timelines</b>
EOI call launch	24 <sup>th</sup> June 2016
Information Webinar	6 <sup>th</sup> July 2016
Call close	12 <sup>th</sup> August 2016
Review and Feedback on submissions	29 <sup>th</sup> August 2016
PI team presentation to IERC and Industry Partners	1 day (date TBD)
Project planning (completion of fully scoped and costed proposal)	+8 weeks
External review of proposal	+4 weeks
Team response to review	+2 weeks
IERC Steering Committee review and signoff on funding	+2 weeks
Project start	+4 weeks

## Section 1.0 Project Details

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### 1.1 Project WorkingTitle

Green Gas Certification

### 1.2 Draft research activities as identified by IERC and industry partners

- \* While subject to change based on the successful applicant's inputs, it is only this version of capabilities that will be used in the selection process
- \* Applicants capabilities will be matched to this list in section 2.1

A consortium of industry stakeholders has already been formulated that seek to collaborate with one or more RPOs to develop a credible and complete Green Gas Certification Scheme.

- The development of a robust methodology (that considers different feedstocks/ processes and potentially end uses) for calculating and accounting for GHG emissions savings from renewable gas and is compatible with international best practice and EU legislation.
- The determination of the relevant specifications required to independently quantify and certify the carbon savings associated with using renewable gas by having a fully traceable and auditable guarantee of origin and validation of greenhouse gas savings.
- The description of the structure for an accreditation / certifying body that will adopt and implement robust methodologies for registering and certifying renewable gas producers and the carbon credits
- The description of the appropriate mechanism, methods and processes of accounting for the carbon credits which will connect in a credible manner the Green Gas certificates with the ETS (e.g. can ETS companies off set the need for purchasing carbon credits by procuring green gas certificates? Can the certificates be transacted or traded separately to the gas? How can this system comply with the current rules of the ETS and be of value to ETS Companies?)
- The investigation and determination of an appropriate support scheme for renewable gas to grid that can stimulate investment in renewable gas projects.

1.3 Indicative summary costs of proposed research activities (subject to revision following full scoping and costing in conjunction with IERC at proposal planning stage)

Initial scoping suggests that the research requirement is likely to fit into the category indicated below (excluding qualifying overheads);

Micro Project	TBD	
Small Project	Up to €200 k	
Medium Project	€200 – €500 k	x
Large Project	Over €500	
Exceptional Project	TBD	

## Section 2.0 PI team, Institutional Details and Capabilities

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### 2.1 Lead Principal Investigator

Name		
Department		
Institution		
E-mail		
Tel		
Do you hold a permanent contract (Y/N)		
If no, when does your current contract expire?		
Please indicate your gender (Male/Female)		

### 2.2 Bio of Lead PI including leadership, management experience and recent engagements with industry (max 1 page)

### 2.3 Co- Principal Investigators (\*repeat as required)

Name		
Department		
Institution		
E-mail		
Tel		
Do you hold a permanent contract (Y/N)		
If no, when does your current contract expire?		
Please indicate your gender (Male/Female)		

Name		
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E-mail		
Tel		
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If no, when does your current contract expire?		
Please indicate your gender (Male/Female)		

2.4 Align proposed expertise to proposed research activity areas (maximum 1 page)

Activity area	PI leading activity	Relevant Expertise of PI (and team if relevant)

2.5 Progenitor Projects (list any earlier project(s) relevant to the outlined capabilities)

Funding Body	Grant Reference	Value of Award	Key Impacts

2.6 Progenitor and available IP (relevant to the outlined capabilities)

IP	Reference

2.7 What unique benefit does the lead institution/consortium offer versus other applicants? (max 1/2 page)

### Section 3: Signatures and Verification

All signatures must be original signatures and include signatures of all formal and informal collaborators based in 3<sup>rd</sup> level institutions, Research Performing Organisations and Industry Partners.

#### Signature of Principal Investigator (and collaborators, if applicable).

PRINCIPAL INVESTIGATOR:		DATE:	
ASSOCIATE INVESTIGATOR: * REPEAT AS REQUIRED		DATE:	
INDUSTRY COLLABORATOR 1		DATE:	
INDUSTRY COLLABORATOR 2		DATE:	
PERMANENT CONTRACT HOLDER <i>(REQUIRED IF THE PI DOES NOT HOLD A PERMANENT CONTRACT)</i>		DATE:	

#### Signature of TTO/Authorised Officers of the Designated Institutions.

	Lead Institution	Collaborating Institute (if any)
NAME:	_____	_____
POSITION:	_____	_____
SIGNATURE:	_____	_____
DATE:	_____	_____