

# ENERGY EFFICIENCY SUPPORTS FOR SMES

An overview of an Irish Approach

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# CLIMATE CHANGE & ECONOMY

## The Economist

Iran's dangerous game

Lessons from a Wall Street titan

Why rent controls are wrong-headed

Goddess of the Taiwan Strait

SEPTEMBER 21ST-27TH 2019

## The climate issue

1900

1950

2000

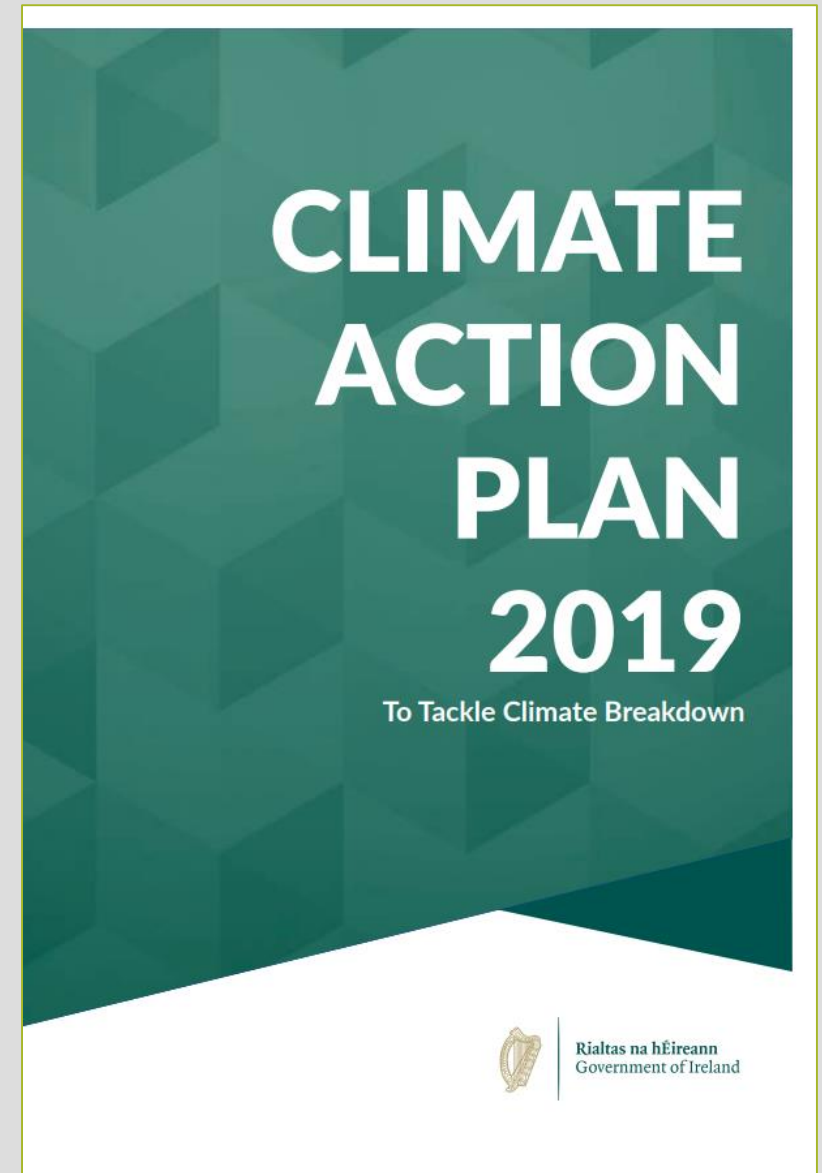
- The World Economic Forum put extreme weather events as the most likely threat to the global economy in 2018 with the 2<sup>nd</sup> highest impact after weapons of mass destruction.
- *'We have been pushing our planet to the brink and the damage is becoming increasingly clear.'*

(World Economic Forum, Global Risks Report 2018)

- Economist Climate Issue 2019

## POLICY TARGETS FOR IRELAND

- Climate Action Plan 2019
- Irish Targets (2030):
  - -40% greenhouse gas emissions
  - +32% renewable energy
  - +32.5% energy efficiency
- Ireland supports an EU net zero target by 2050



# SME PROFILE IRELAND

- +200,000 Small and Medium Businesses in Ireland (95-99%)
- SMEs offer 99% of (non-financial) employment in Ireland
- 90% are micro (<10 Employees)



# NEEDS OF SMES

- **Engagement is key** – SMEs have numerous concerns – energy is not priority
- **Low knowledge base** re Energy Efficiency
- **Paperwork and Bureaucracy** is major barrier for business – they need quick decisions and flexibility with delivery times
- **Cashflow is key**
- **Process is key** – need for standardization and simplification across grant cycle

**Engaging  
Business**

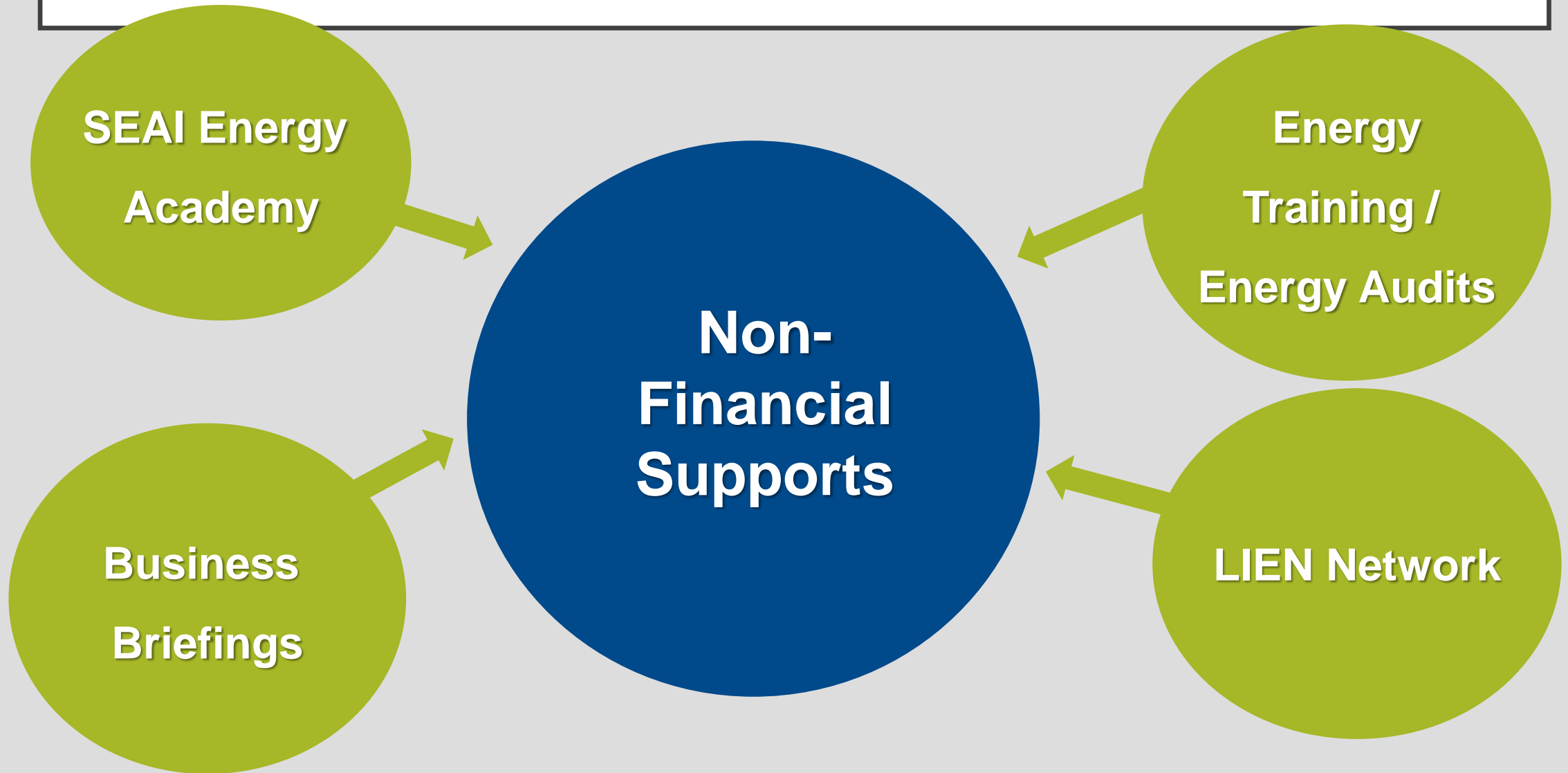
**Educating  
Business**

**Enabling  
Business**

# ENERGY MANAGEMENT 101

1. Measure energy consumption and cost
2. Identify significant energy users
3. Identify opportunities to reduce energy consumption
4. Make low- and no-cost changes to reduce energy consumption ('housekeeping' or 'low hanging fruit')
5. Explore larger investments
6. Repeat

# GOVERNMENT SUPPORTS FOR BUSINESS





# SEAI ENERGY ACADEMY

The screenshot displays the SEAI Energy Academy dashboard. At the top left is the SEAI logo (Sustainable Energy Authority of Ireland). A search bar contains the text "Search for enrolled courses". Navigation tabs include "Dashboard", "My Courses", "My Live Sessions", and "My Achievements". A "Download Training History" button is on the right. The main content area features a circular diagram with icons for CO<sub>2</sub>, a group of people, a factory, and gears. Below this is a "Total Number of Courses" section with three cards: "2 Enrolled Courses", "1 Completed Courses", and "1 Learning Paths". A "Latest Badges" section is partially visible. A quiz overlay is active, titled "What are U-Values?". It includes an image of a hand holding a house, a question "Which building elements have good U-Values?", and four multiple-choice options. Navigation buttons "HOW TO NAVIGATE", "PREVIOUS", and "SUBMIT" are at the bottom of the overlay.

seai SUSTAINABLE ENERGY AUTHORITY OF IRELAND

Search for enrolled courses

Dashboard My Courses My Live Sessions My Achievements Download Training History

CO<sub>2</sub>

Total Number of Courses

2 Enrolled Courses

1 Completed Courses

1 Learning Paths

Latest Badges

Energy in Business

Energy Audi Not Started · Take this quiz

1

What are U-Values?

U-values measure how much heat is conducted out of the building through different building elements e.g. wall/window. It is measured in Watts per square meter per degree Kelvin (W/m<sup>2</sup>K).

Which building elements have good U-Values?

Select ALL options that apply, then Submit.

- A cavity wall has a U-Value of 1.6 W/m<sup>2</sup>
- A brick wall has a U-Value of 2.0 W/m<sup>2</sup>
- A single glazed window has 5.7 W/m<sup>2</sup>
- A double glazed window has 2.9 W/m<sup>2</sup>

HOW TO NAVIGATE PREVIOUS SUBMIT

## Certificate of Completion

This is to certify that

**Andrea Carroll**

of

**SEAI**

Has successfully completed the SEAI course:

**General Business Energy Efficiency**

Date:

**23/04/2020**

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



Rialtas na hÉireann  
Government of Ireland



# GOVERNMENT SUPPORTS FOR BUSINESS



ANY QUESTIONS?