



Leading in a changing world

An introduction to Enterprise Ireland
& our activities in ESG & sustainability

Enterprise Ireland

Our Mission

Accelerate the development of world-class Irish companies to achieve leading positions in global markets.

Our Vision

Irish enterprises creating solutions for global challenges, delivering sustainable prosperity throughout Ireland.



Enterprise Ireland

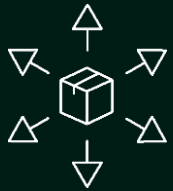
**The Irish government trade and
innovation agency**

In Ireland, we invest in the most innovative companies through all stages of their growth. We support Irish companies to scale internationally.

Approx 4,000 clients, across all sectors, predominantly SMEs

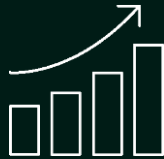


Enterprise Ireland: Strategic Ambitions



Export-focused Irish enterprises delivering growth across all regions

- Job Creation
- Regional Impact
- Export Growth & Diversification



Ireland as a world-leading location to start and scale a business

- Entrepreneurship & Start-ups
- Scaling
- Skills & Diversity



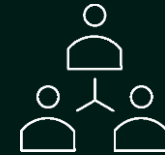
Irish enterprises achieving sustainable competitive advantage through customer-led innovation and digitalisation

- Productivity
- Digital Transformation
- Innovation Capability



Irish enterprises leading globally on sustainability and achieving climate action targets

- Carbon Reduction
- Sustainability Focus
- Green Economy Opportunities



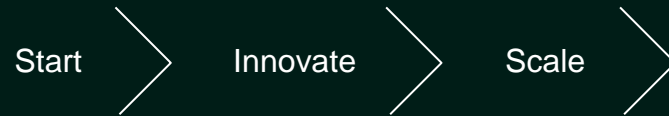
The world's most successful enterprise development team

- Future Ready Team
- Client Service Excellence
- Strategic Partner

How we support client companies to compete globally



What



Why



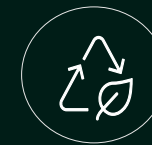
Small country – reliant on exports and Diversification



Create & maintain jobs throughout Ireland



Build client competitiveness through R&D capability



More sustainable & resilient clients

Who



Broad range of clients, from high potential start-ups to established SMEs and large companies

How

Strategy development



Leadership & management development



Export assistance



Access to market-led research & innovation



Funding Support



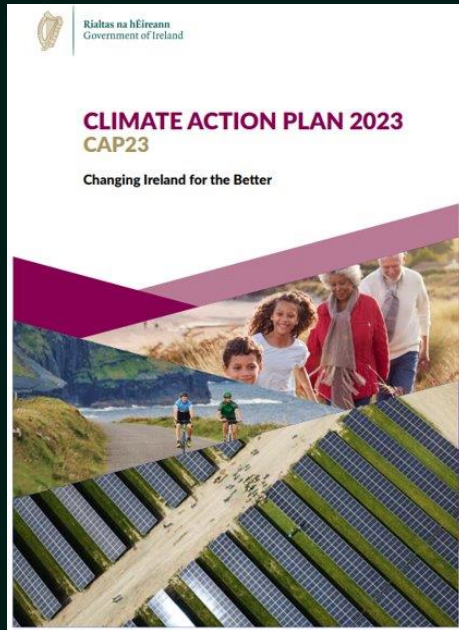
Ecosystem development



Enterprise Ireland and Sustainability

Climate is Central to Enterprise Policy

*“IDA Ireland, Enterprise Ireland and the Sustainable Energy Authority of Ireland will work to help decarbonise industry and **align grants and other supports with emissions reductions.**”*



*“Our enterprise development agencies – IDA Ireland, Enterprise Ireland, LEOs and other sectoral agencies – will incorporate **carbon abatement as an objective equal to and alongside employment and value-added.**”*

Why are we here?

Environmental & Societal Risks represent the most significant Global risks ranked by severity over the short and long term



How ESG & Sustainability can enhance your Business Performance



Building Capability – This is a journey



Sustainability Leaders Programme Enterprise Ireland Autumn 2023

The Climate Ready Academy and Enterprise Ireland have come together to offer a sustainability programme to Enterprise Ireland clients located in Ireland.

- Improve Competitiveness**


The Programme aims to provide practical support and guidance to those responsible for developing a sustainability strategy and action plan for their site. A successful strategy and action plan can conserve companies' resources, save money and build greater resilience and competitiveness.
- Protect the Environment**


During the programme participants will examine the challenges of transitioning to a sustainable business model. The programme consists of live mentoring and support workshops focussed on providing real world industry examples and peer to peer learning opportunities.
- Develop a Strategy and Action Plan**


As part of this programme, participants will develop a Sustainability Strategy & Action Plan for their site. Sites who successfully complete the programme will be offered follow on support in relevant priority areas such as Planning for Net Zero, Circularity, Biodiversity and the management of Energy, Water and Waste.

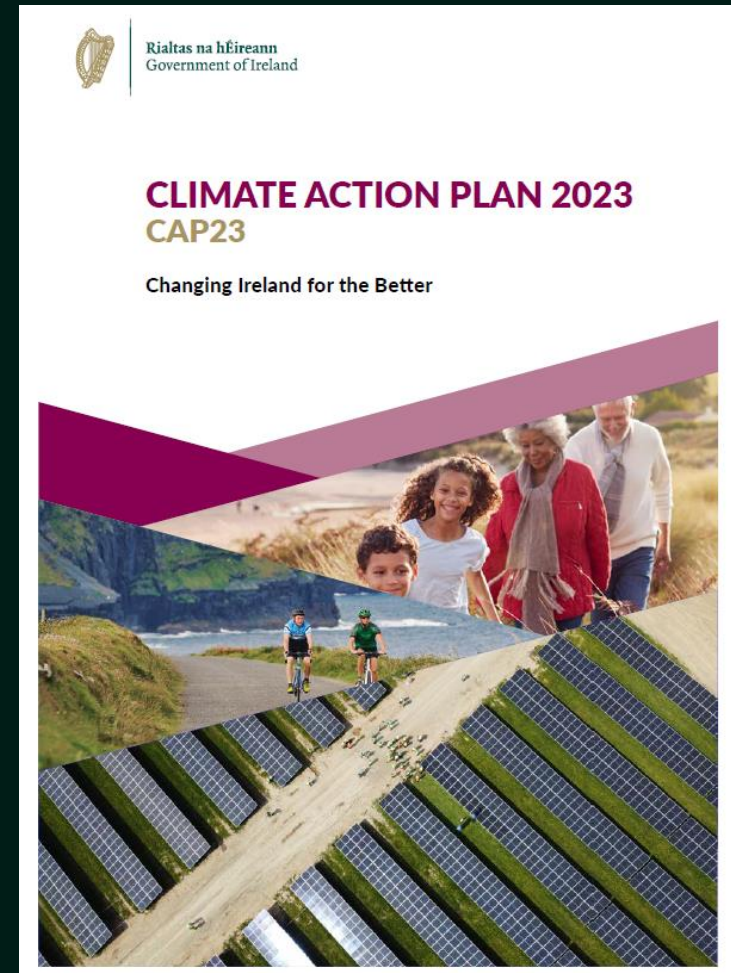


Sustainability kickstarter workshops

With you on your green journey

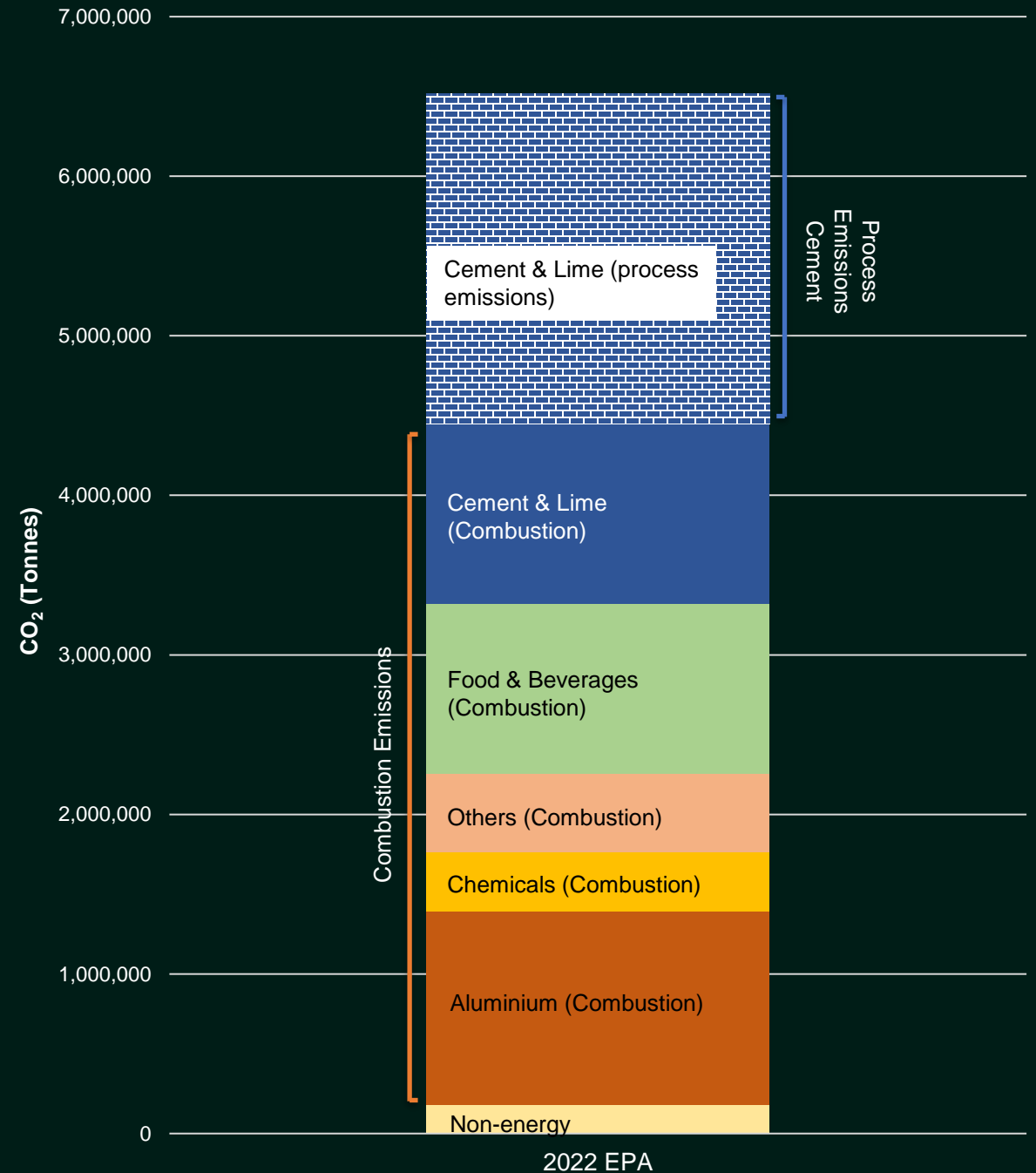


EU & National Climate Goals



Irish Industrial Emissions

- Approx. 6.5 million tonnes of CO₂
- Cement is the largest emitting sector
- Approx 4 million tonnes of CO₂ from combustion for industrial heat
- Approx 2 million tonnes of CO₂ from process emissions in the production of cement & lime
- 85% of emissions covered by EU ETS



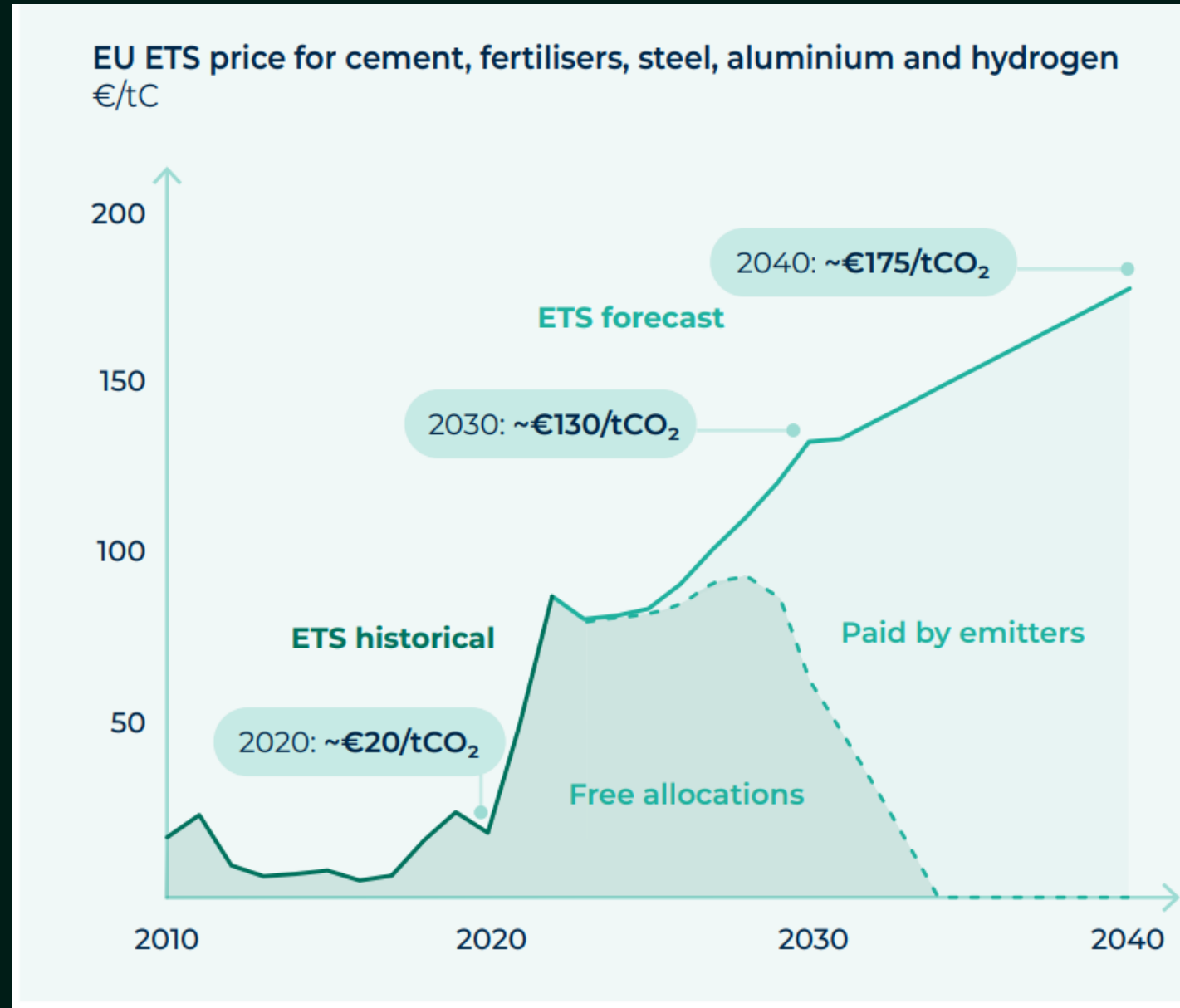
Carbon Price & Large Industrial Facilities

Current Situation

- Heavy industry receive almost all certificates as free allocation

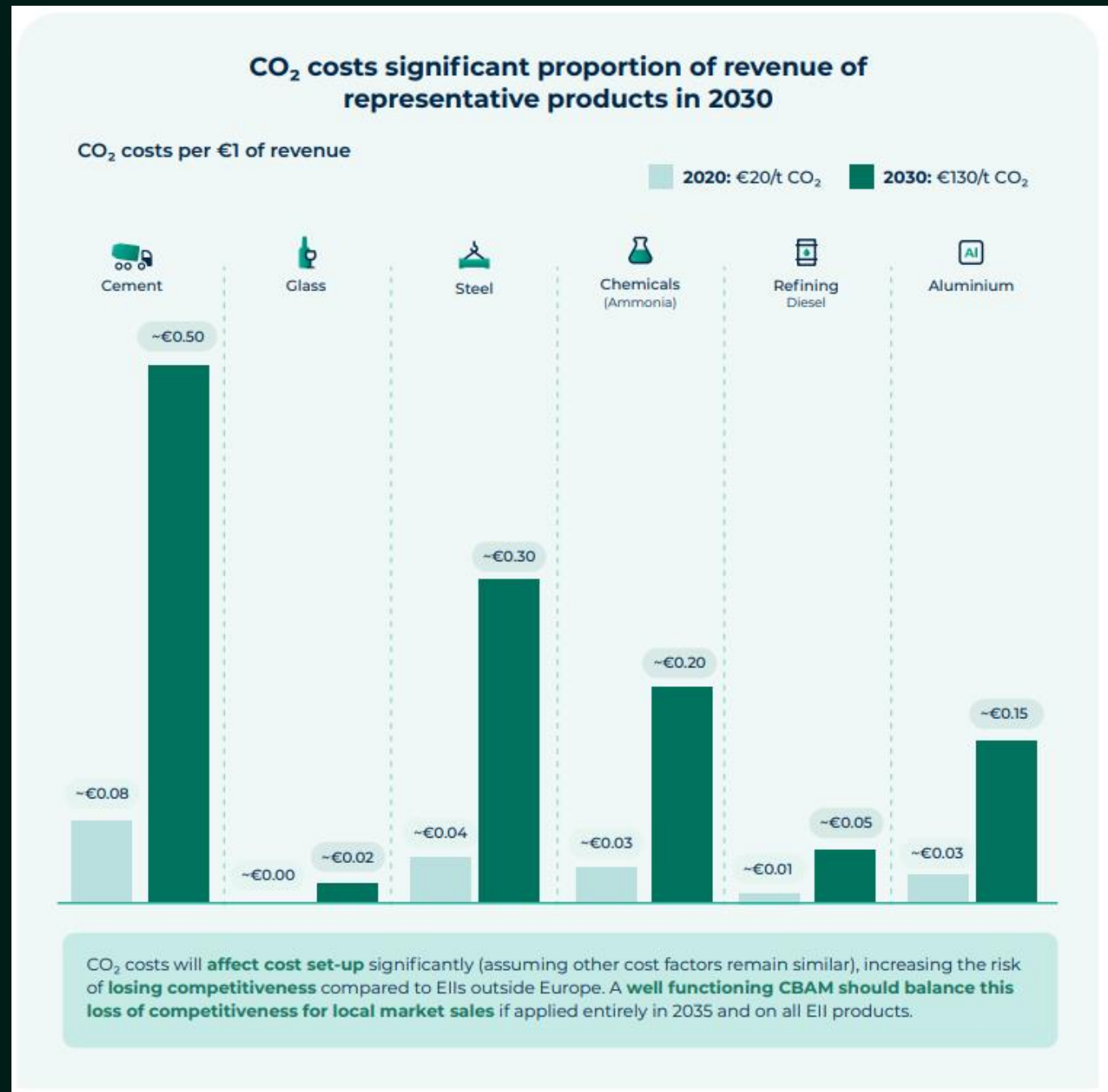
Future Development

- Free allocation to be phased out by 2034
- Emitters will need to buy all emissions certificates
- Significant growing cost of carbon for emissions intensive producers



Carbon Price Impact on Carbon intensive Products

- CO₂ intensive production process will see the greatest increase in production costs
- Cement & Steel most exposed to increase carbon costs
- Producers of lower carbon alternatives increasingly competitive



A Mosaic Of Solutions for Cement Emissions



Heat decarbonisation:

- Very high temperature heat (1,400 °C)
- Approximately 40% of emissions
- National Status: Current & planned investments for increased use of renewable & alternative fuels



Reformulate & Replace Portland Cement:

- Alternative binders (ash & slag, calcined clays)
- New fillers (crushed limestone, recycled materials)
- Alternative chemistries (geopolymers)
- National Status: Early feasibility and resource exploration



Capture & Store Emissions:

- Capture CO₂ emissions
- Compression & Transport
- Storage in products or geologically
- National Status: Early feasibility



Reduce Cement Use Intensity:

- Cement blend optimisation & waste reduction
- Design optimisation & less over specification
- Alternative construction (wood construction)
- National Status: Preliminary assessment

Funding your transition

Offers in place for every stage of your sustainability journey

Begin

Sustainability skills & capacity building, explore innovative opportunities



Plan

Strategic design & road mapping, ESG training and energy tracking



Do

Develop & deploy sustainable production process and technologies



GET YOUR BUSINESS READY
FOR A GREEN FUTURE

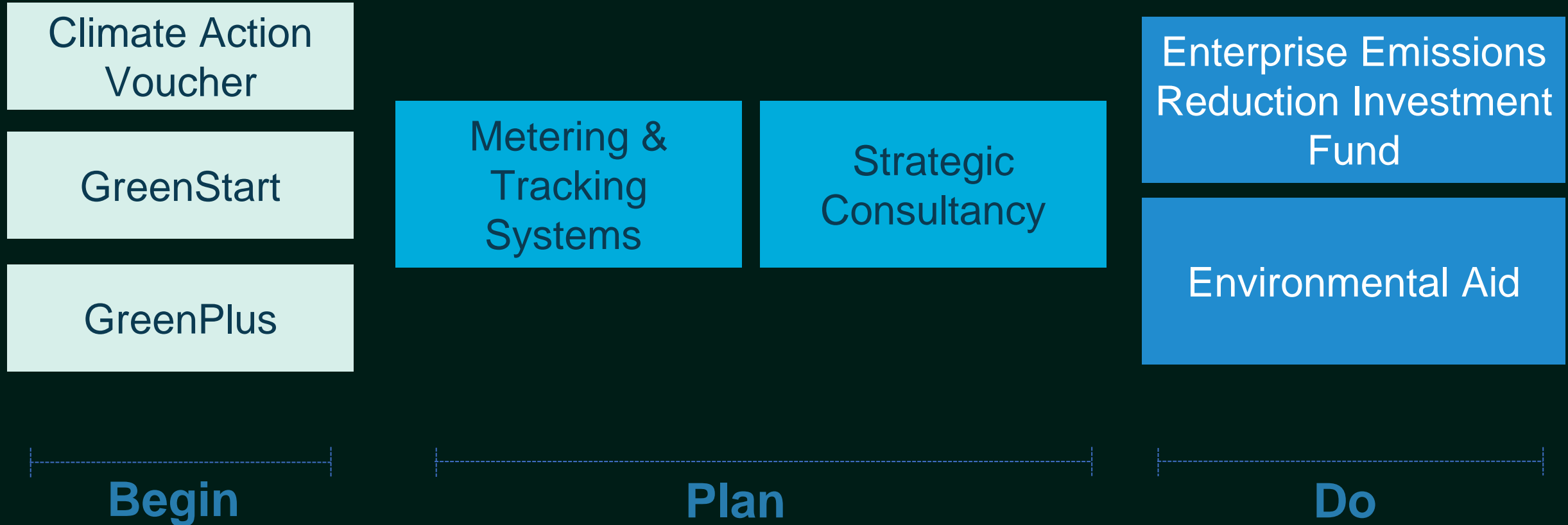
Green Transition Fund

Local Enterprise Office

 Eilís na Míreann
Government of Ireland

 **ENTERPRISE
IRELAND**

EI Supports to Deliver Change



Reduce Emissions & Green Growth

Existing Facility

Greenfield & Expansion

**Low carbon process to
replace carbon
intensive production**

**New very low carbon
facility – exceeding
current industry
standards**

Heat Pumps
Hot-Water Loops
Heat Integration
Direct Electrification
Energy & Thermal
Storage
Anaerobic Digestion
(AD)

Water Treatment

Current Trend For Industrial Emissions

Year on year emissions change

- 5.2% emissions reduction from 2022 to 2024

Emissions Change from 2018

- 9.7% emissions reduction from 2018 to 2024

