



The Climate Action Regional Offices are an initiative of Local Government, funded by the Department of the Environment, Climate and Communications, as a shared service for Local Authorities

# Annual Report 2024





# Mission Statement

The Mission of the Climate Action Regional Offices is to coordinate and support local government to lead transformative change and measurable climate action across our cities and counties.



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# Foreword

We are delighted to introduce our 2024 Annual Report for the Climate Action Regional Offices (CARO). We were established to bring the necessary competence and expertise together to assist and coordinate climate adaptation initially and now climate action across Local Authorities. Our support in 2024 enabled all 31 Local Authorities to launch and start implementation of their Climate Action Plans. 2024 also saw a very successful national training and networking event being held in Ennis and attended by the then Minister for Environment, Climate, Communications and Transport, Eamon Ryan.

This Report offers a comprehensive review of progress made across the seven pillars of delivery. It highlights key achievements, identifies obstacles, and the many case studies included illustrate the effectiveness of the various initiatives. In 2024, the CAROs have been very proactive in shaping Ireland's climate response and are well positioned to address future sustainability challenges. We would like to thank the staff in CARO and in the Climate Teams in all Local Authorities for their continued dedication and enthusiasm for the work they do for Climate Action in Ireland.

## John Condon

Director of Service – Lead Authority ASBN CARO



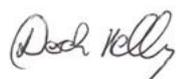
## Louis Duffy

Director of Service Lead Authority ASBS CARO



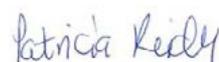
## Derek Kelly

Director of Service Lead Authority DM CARO



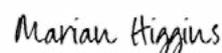
## Patricia Reidy

Director of Service Lead Authority DM CARO



## Marian Higgins

Director of Service Lead Authority E&M CARO



# CARO 2024 Highlights



**4,110**

Training Places Delivered



**31**

LA Climate Action Plans Adopted



**3,919**

LA CAP Actions Nationally



**10**

LA CAP Stakeholder Reports Produced



**21**

CARO Projects Delivered



**4**

CARO Publications



**24**

LA CAP Sectoral Reports produced



**3**

Successful Funding Applications

# Executive Summary

**The CAROs role is to support Local Authorities to deliver climate policies and behavioural change within Local Authorities (LA's) and to empower citizens and enterprise to embrace the need for climate action.**

The Climate Amendment Act frames Ireland's legally binding climate ambition to deliver a reduction in greenhouse gas emissions of 51% by 2030 supported by a series of annual national climate action plans. This will put Ireland on a trajectory to achieving climate neutrality by no later than the end of 2050.

Local Authorities are positioned at the forefront of climate action in Ireland. They play a significant role in terms of delivering adaptation and mitigation measures at local and community levels.

A Service Level Agreement (SLA) between the Department of the Environment, Climate and Communications (reorganised into the Department of Climate, Energy and the Environment in early 2025) and each Regional Lead Authority is in place for a six-year period from 2023 to 2029. This agreement provides funding for each of the four Local Authorities, (Cork County, Dublin City, Kildare County and Mayo County Councils), to act as Lead Authority for their Region. In return, each Lead Local Authority is required to maintain the CARO Regional Office, ensure proper financial controls and governance are in place, develop and implement the actions set out in the Annual Work Programme, support Local Authorities in the implementation of their Climate Action Plans and Decarbonising Zones and prepare an Annual Report on progress achieved in the previous year.

This report aims to set out the key achievements and obstacles encountered during the year, illustrated with Case Studies to demonstrate the progress made. The Annual Work Programme for 2024 was approved by the Strategic Implementation Group in January. It is organised into seven Work Packages, each with specific actions and sub-actions showing how the programme will be delivered throughout the year. The report has also been assessed against the 17 Sustainable Development Goals and the SDG assessment profile is included.

**Work Package 1** relates to Governance and Partnerships. Key achievements under this Work Package include the establishment of a Strategic Advisory Group (SAG), progressing the review of the Climate Charter, and continuing to engage with the KPI Working Group.

**Work Package 2** relates to supporting the Local Authority Climate Action Plans and the major achievement in 2024 was that all 31 LA CAPs were approved and are now being implemented. This was facilitated with support and guidance from the CAROs. 41 Decarbonising Zones were also identified to be used as test beds or demonstration sites to establish what is possible for decarbonisation at local and community levels so that this can be rolled out. CARO also carried out a full analysis of all 3,919 actions contained in the 31 LA CAP's. CARO is also supporting Dublin City as part of the EU Mission: Climate-Neutral and Smart Cities programme.

**Work Package 3** relates to Adaptation. Key highlights under this section includes supporting projects such as the Lighthouse Demonstrator Project focused on soft engineering solutions for coastal resilience, the AA-Agora Horizon Project, collaborating with EU partners MaREI to develop nature-based solutions for coastal erosion, the Just Transition Community Training and Mentoring Project (EMERGE) empowering Midlands communities to navigate Ireland's shift to a climate-proofed economy and resilient society and the Beaches & Dunes for Climate Adaptation Project in partnership with Leave No Trace Ireland, UG, and MSLETB, and Minority Report which is developing a digital tool for adaptation. Other initiatives under this Work Package included advancing Climate adaptation for Regional and Local Roads and the WIRE APP.

**Work Package 4** relates to Mitigation. Key achievement under this Work Package includes advancing the LA Fleet decarbonisation, the electric vehicle charging strategy, and working with SEAI and regional energy agencies, energy units and energy bureaux to advance the Pathfinder Programme for the decarbonisation of Local Authority owned buildings.

**Work Package 5** relates to Training & Education. A major achievement under this Work Package was the conclusion of the Climate Action Training Programme (2020–2023) during which over 23,000 participants were trained and the signing of an SLA funding the new multi annual training plan 2024 to 2027. Another highlight under this Work Package was the training and networking event held for Local Authority Climate staff in Ennis in April.

**Work Package 6** relates to Communication and Citizen engagement. Achievements under this package included strengthening the GAA Green Clubs Programme, advancing age friendly Climate Action, engagement with Dublin's Climate Action week, attendance at the Munster Agricultural Society Cork Show, and work on the CARO website.

**Work Package 7** relates to Knowledge Development. Key highlights under this package include engagement with the covenant of Mayors, and the EU Adaptation Mission and working closely with universities on other projects.

The key obstacle to progress in 2024 was the throughput and gaps in the recruitment of staff for the majority of the CARO Regional offices which hindered the full delivery of the Work Programme. Funding of projects was also an issue, and this will become more apparent as staff vacancies are filled as there is a fixed sum available in the SLA for both staff and projects.

Spending is summarised at the end of each Work Package but noting that this relates only to project spend and does not include staff and overhead costs.

Many case studies are provided throughout the report which illustrate the work achieved. Overall, despite the obstacles, 2024 was a successful year for the CAROs.

# 1| About CARO





The CAROs - Coordinating and supporting local government to lead transformative change and measurable climate action across our cities and counties.

### SUPPORT

The CARO'S have a critical role in supporting Local Authorities in the implementation of national climate change policy at local level.



### CARO REGIONAL OFFICES

There are four regional CARO offices, namely:

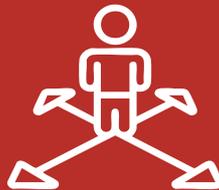
- Atlantic Seaboard North
- Atlantic Seaboard South
- Eastern & Midlands
- Dublin Metropolitan

The regional approach targets specific climate risks, making the CARO's key players in Ireland's shift to a low-carbon future.



### GUIDANCE

The CAROs provide guidance, advice and support to Local Authorities to effectively address climate change across Ireland.



### COLLABORATION & COORDINATION

CARO plays a key role in uniting different groups to tackle climate change: They share knowledge and help Local Authorities to work together.



### STRATEGIC ROLE

CAROs focus on major climate priorities by identifying and addressing cross-sector climate challenges, strengthening co-operation between Local Authorities and the Government and supporting the implementation of the Climate Action and Low Carbon Development (Amendment) Act 2021.



### IMPLEMENTATION

The CARO's support Local Authorities in the implementation of their Climate Action Plans and De-carbonizing zones.

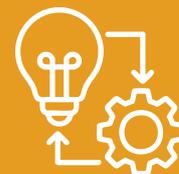


Figure 1: CARO at a Glance

# About CARO

The Climate Action Regional Offices (CAROs) were established by the County and City Management Association (CCMA) in 2018 to support the major challenges that climate change presents for Local Authorities in Ireland. The CAROs provide guidance, advice and support to all 31 Local Authorities to leverage the capability, reach and resources of the sector to effectively address climate change. By bringing together Local Authorities, stakeholders, and local communities, the CAROs make policies easier to implement and help to scale impactful solutions. Their regional approach targets specific climate risks, making them key players in Ireland’s shift to a low-carbon future.

A Service Level Agreement signed in 2023 with the Department of the Environment, Climate and Communications (DECC) has secured a total allocation of €12 million to support CAROs for the period 2023–2029. This support and funding have been instrumental in the establishment, development, and ongoing success of the CAROs. The CAROs support Local Authorities in achieving their climate goals by effectively addressing the challenges of climate change and contributing to Ireland’s journey toward a sustainable and climate-resilient future.

The CAROs also promote the sharing of information, ideas and knowledge and the collaborative development of actions of scale between Local Authorities.

## A summary of CARO finances for 2024

CARO Finances 2024					
	ASBN CARO	E&M CARO	ASBS CARO	DM CARO	Total Budget
<b>Budget Allocation</b>	€495,000	€515,000	€495,000	€495,000	€2,000,000
<b>Claims 1 &amp; 2</b>	€300,595.63	€396,027.33	€475,692.31	€296,965.91	€1,469,281.18

Table 1: Summary of Regional CARO Finances in 2024

There are four regional CARO offices, namely:

- **Dublin Metropolitan**
- **Atlantic Seaboard North**
- **Atlantic Seaboard South**
- **Eastern & Midlands**

Each of the Regional CAROs have a specific focus and develop knowledge hubs based on their geographical characteristics, vulnerabilities and shared climate risks experienced across the Local Authority areas in their region. Each region is led by a Regional Coordinator, supported by a team of three to four technical and administrative staff. However, due to staff turnover, vacancies, and delays in recruitment, most CARO regional offices have not operated with a full complement of staff. The profile of each region and their specialised knowledge hub is shown overleaf.

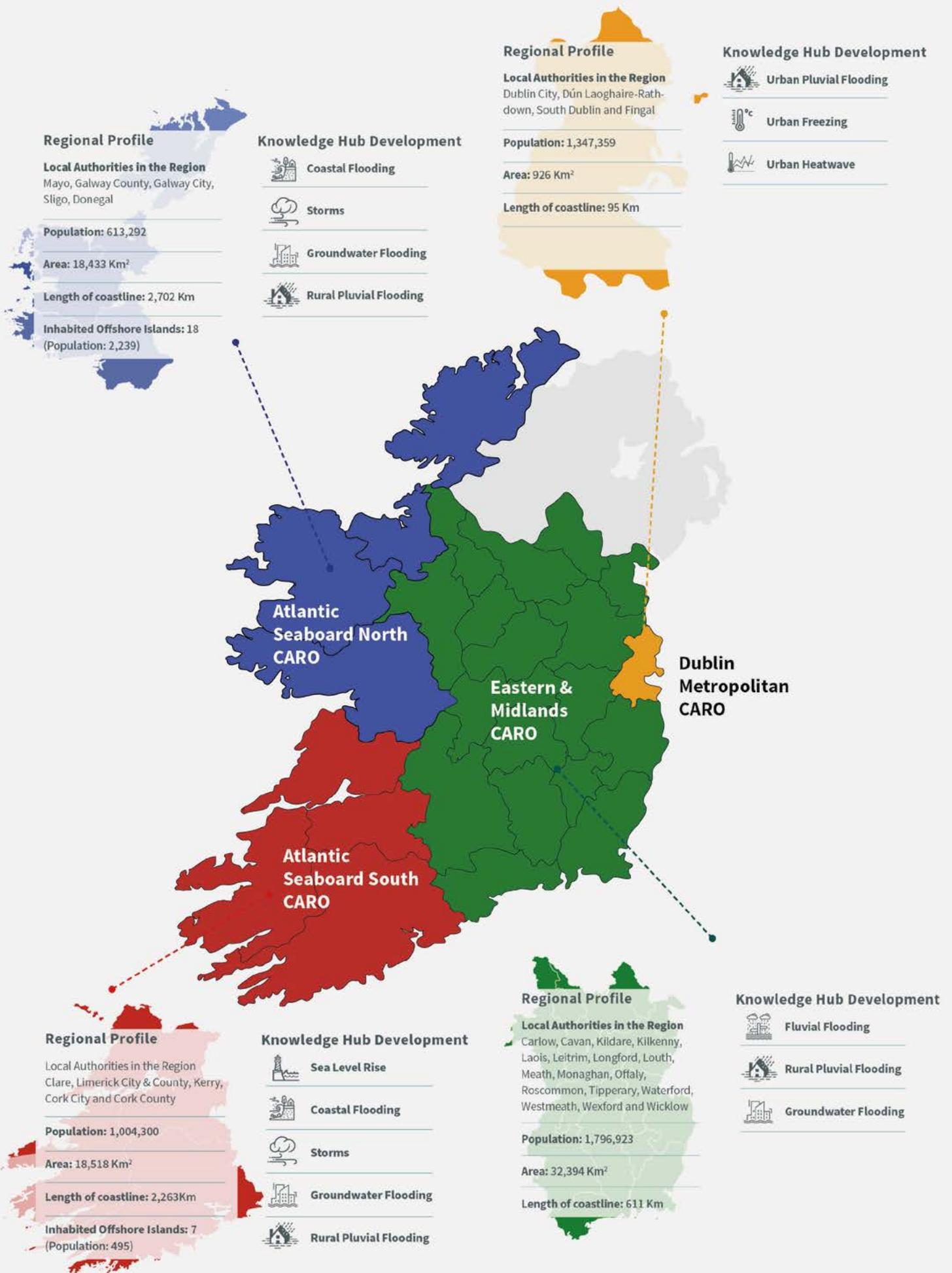


Figure 2: Regional Structure of the CAROs

# 2| The Annual Work Programme



# CAROs Work Programme

The Climate Action Regional Offices (CAROs) help drive Ireland’s climate agenda. Each year, all four regional offices develop a shared Annual Work Programme, under the Service Level Agreement (SLA) and with input from:

- The County and City Management Association (CCMA).
- Department of the Environment, Climate and Communication (DECC).
- Strategic Implementation Group (SIG).
- The CARO Management Group (CMG).

## The Work Programme:

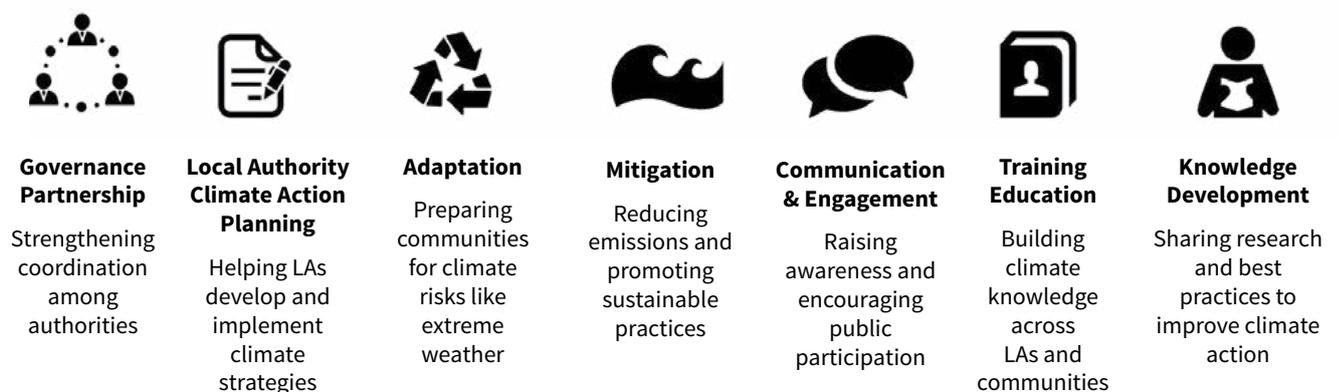
- Outlines key actions to improve climate policies.
- Supports Local Authorities in their climate efforts.
- Builds partnerships with government agencies.
- Encourages local climate initiatives.

The Work Programme is approved annually by the Strategic Implementation Group (SIG) to ensure alignment with national and regional climate goals. Progress is reviewed through:

- Quarterly CMG meetings.
- Bi-annual SIG meetings.

The Work Programme is organised into seven Work Packages, each with specific actions and sub-actions showing how the programme will be delivered throughout the year. (See Figure 3 and Appendix 1 for details.)

Figure 3: The seven Work Packages in the CAROs Annual Work Programme



The CAROs Annual Work Programme has been assessed against the 17 Sustainable Development Goals and associated targets. The SDG assessment profile is illustrated in Figure 4 below.



Figure 4: SDG Assessment Profile of the 2024 Work Programme

# Purpose of the 2024 Annual Report

The purpose of this report is to demonstrate CAROs progress in 2024 across all seven Work Packages by highlighting key achievements, identifying challenges and sharing examples of successful projects.

## Structure of the report

The report is organised by the seven Work Packages. It focuses on each of these Work Packages in turn, identifying the key aims and priorities, an overview of the Work Package, the achievements delivered, and the obstacles encountered during the year. Case Studies under each Work Package will exhibit the projects carried out in the delivery of the programme. At the end of each Work Package, a summary table is provided on the spend on projects across all CAROs for that Work Package.



*Launch of Mayo Co Council's Climate Action Plan 2024 – 2029 at Crossmolina Fire Station, the first A rated public building newly constructed by Mayo County Council.*

# 3 | Governance & Partnerships



# Work Package 1 Governance & Partnerships

## Case Study 1 Local Authority Climate Action KPI's



### Background

The Local Government Climate Action KPI working group maintains a role to review indicators annually to determine their validity and relevance in an evolving climate policy context and to provide the rationale for any adjustment or additional climate action KPIs, including the process of their selection, for the consideration of the Climate Action committee of the CCMA. The **Eastern and Midlands CARO** is project lead of the working group.

Since 2020, the Local Government Climate Action KPI Working Group has played a key role in tracking, measuring, and reporting on climate action across Local Authorities. These indicators align with the [Delivering Effective Climate Action 2030 strategy](#) and support sector-wide oversight through engagement with the National Oversight and Audit Committee (NOAC).

### Action Taken

1. In August 2024 the working group published its second annual [Climate Action KPI Report 2023](#), detailing progress across four key themes:
  - Mainstreaming climate action into governance.
  - Mitigation through emission reduction measures.
  - Adaptation strategies to enhance resilience.
  - Internal behavioural change & capacity-building.
2. In preparation for the 2025 reporting cycle the Environment, Climate, and Circular Economy Committee (ECCE) of the CCMA approved two new KPIs.
  - To track the Implementation of Local Authority Climate Action Plans.
  - To assess progress on the Community Climate Action Programme.

### Results/Outcomes

These KPIs provide a clear framework for accountability, ensuring Local Authorities can track progress and refine strategies. The working group continue to oversee data collection and reporting, strengthening climate action governance for the sector.

### 3 | Governance & Partnerships

#### Key Aims & Priorities

- Ensure adherence to governance structures at national, regional and local level.
- Provide support to the CCMA in implementing the *Delivering Effective Climate Action, 2030 strategy* including issues such as establishing local climate action structures, recruitment of additional resources etc.
- Maintain relationships with the Regional Assemblies through the regional steering groups.
- Maintain relationships with strategic partners such as DECC, SEAI, EPA, OPR, Irish Planning Institute, Energy Agencies, OPW, etc.
- Continue to support LAs in the implementation of the Climate Action Charter.
- Other governance issues as may be requested by CCMA and / or DECC through relevant committees and channels.

#### Overview

The governance structure of the CARO is shown in Figure 5. The Strategic Implementation Group (SIG) is the key decision-making body for the CAROs, with the key function of approving and monitoring the delivery of the Annual Work Programme. The CARO Management Group (CMG) oversees activities, works closely with local authorities, and leads the development and operational delivery of the Annual Work Programme. Alongside them, the core role of the Regional Steering Group is to refine, prioritise and deliver key climate action strategies, policies and programs in line with national legislation, policies and guidance. The core membership of the CMG comprises the Directors of Services and CARO Co-ordinators from the Lead Authority of each Region and senior staff from DECC.

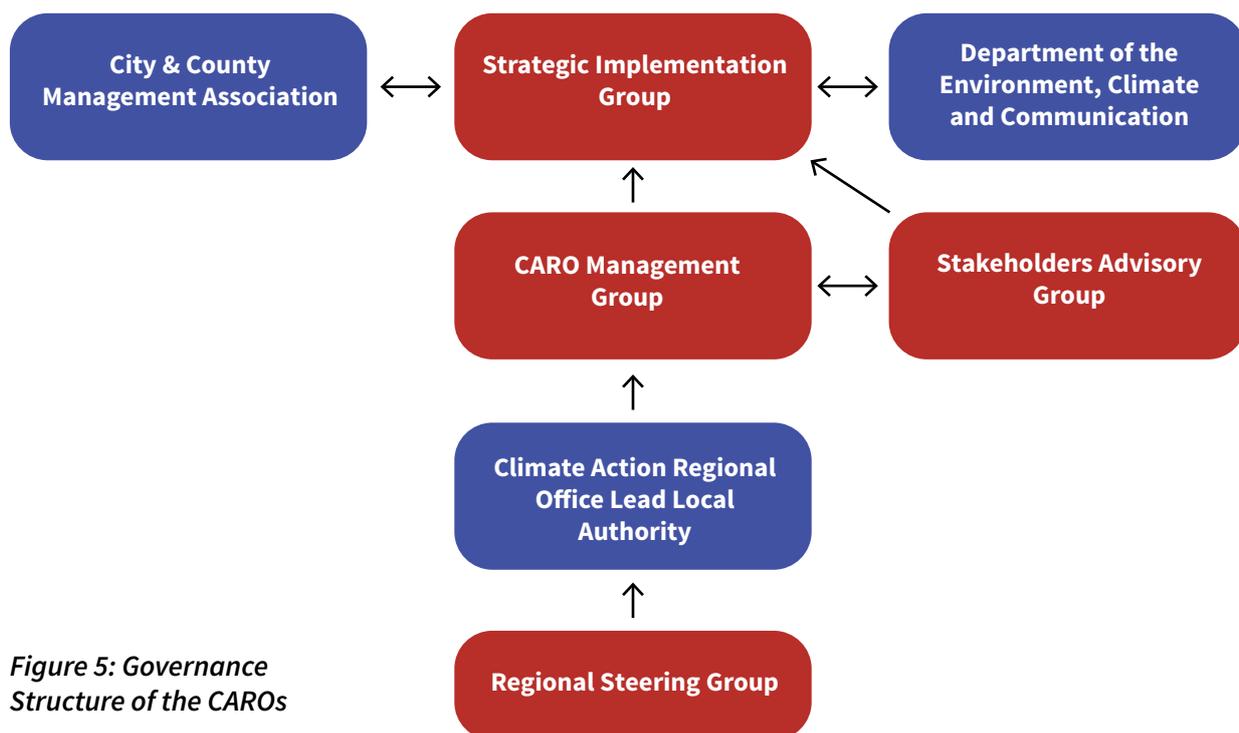


Figure 5: Governance Structure of the CAROs

This provides a strong governance structure at National, Regional, and Local levels, ensuring effective coordination and alignment with key stakeholders in climate action initiatives. By fostering strong relationships with the CCMA and DECC and supporting Irelands Climate Action Plan (2025) and the Local authority sector strategy “*Delivering Effective Climate Action 2030*”, CARO plays a vital role in driving sector-wide engagement. Additionally, maintaining close collaboration with the Regional Assemblies and strategic partners such as DECC, SEAI, EPA, Regional Waste Offices and OPW has been instrumental in advancing climate governance. Quarterly meetings of the CARO Management Group facilitate ongoing monitoring and progress assessment, while bi-annual Strategic Implementation Group meetings provide a platform for refining strategies and adapting to emerging challenges.

In Q2 2024 DECC initiated a review of the Climate Action Regional Offices to support the CAROs to deliver an effective service. DECC tendered for consultants to undertake the review. The CAROs engaged with this review and provided two representatives on the project steering group convened to give oversight to the process. Engagement included participation in workshops and completion of a survey held by CARO and Local Authority Climate Action Staff.

## Overview of Project Spend

*Spend on main projects under WP 1 in 2024 excluding staff costs and expenses* **€9,443.08**

## Achievements

### Strengthening CARO Governance

In January, the CARO Work Programme was formally approved at the Strategic Implementation Group (SIG) meeting. In March, the newly established Strategic Advisory Group (SAG) convened for the first time, bringing together key partners, including DECC, Met Éireann, EPA, and OPW. Both groups (SIG and SAG) met twice in 2024 and have significantly strengthened CAROs sector-wide coordination, and climate resilience initiatives.

### Climate Action Key Performance Indicators (KPIs)

CARO continues to lead systematic tracking and reporting of climate action progress through sectoral Key Performance Indicators (KPIs), maintaining accountability across Local Authorities. The 2023 data collection commenced in early March. Findings were reviewed and endorsed by the Climate Action, Transport, Circular Economy and Networks (CATCEN) committee in June. The 2023 KPI report, published in August, is now available on the LGMA website, offering valuable insights into local government climate action efforts. Preparations for the next cycle of reporting on 2024 data collection began in Q4 2024 for Q1 2025 data collection on 10 KPIs.

### Advancing the Local Authority Climate Action Charter

CARO has made significant strides in reviewing the Local Authority Climate Action Charter by hosting a workshop in May with key stakeholders including DECC, AILG, EPA, CCAC, SEAI, LGMA, Climate Ireland, and Regional Assemblies. ASBS CARO combined the findings of the workshop and relevant parties and presented a draft to CATCEN for consideration in October. Further progress on the charter is expected in early 2025.

# 2024 National Climate Action Plan and Progress Report

CARO contributed to the development of the National Climate Action Plan 2024 (CAP24) which was approved by Government in May. The purpose of the Climate Action Plan is to lay out a roadmap of actions which will ultimately lead to Ireland, meeting the national climate objective of pursuing and achieving, by no later than the end of the year 2050, the transition to a climate resilient, biodiversity rich, environmentally sustainable and climate neutral economy.

## Obstacles

### Recruitment – Challenges & Impact

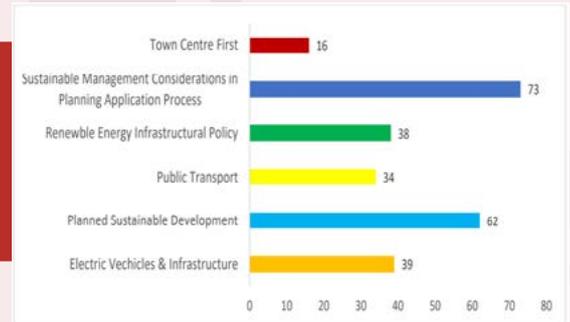
Despite ongoing recruitment in 2024, staffing shortages have posed substantial challenges for CARO. However, CARO has managed to maintain momentum and deliver key programme elements despite the lack of a full team in most regions. The related issue of staff turnover needs to be addressed urgently, to ensure long-term effectiveness and maintain high-impact climate initiatives. While CARO has demonstrated resilience in achieving critical climate action milestones this situation is not sustainable in the longer term.



*CARO National Networking Event, Clare*

# Work Package 1 Governance & Partnerships

## Case Study 2 LA CAP's Actions Analysis: Database and Reports



## Background

In Q1 of 2024, 31 Local Authority Climate Action Plans LA CAPs were adopted. One of the key tasks identified was to categorise all of these actions to allow reporting across all Local Authorities in general and by sector and by key stakeholders. This would establish priority areas, promote coordination in implementation, and inform stakeholder engagement. The project was led by **ASBS CARO**, with **E&M CARO** developing a robust database system to assess and categorise actions systematically.

## Action Taken

- Developed a comprehensive database with established assessment criteria and categorisation for reporting.
- Staff from all four CAROs then populated the database with information from the LA's in their Region.
- In total all 3,919 actions were categorised, assessed and analysed.
- Stakeholder reports were generated for key bodies such as LAWPRO and OPW.
- Sectoral reports were generated on thematic areas like water quality.
- Uploaded all reports to the CARO website for public and stakeholder access.

## Results/Outcomes

This exercise enabled all stakeholders to analyse the breadth of climate actions, distinguishing between adaptation, mitigation and combined actions. It also provided insights into how climate action plans intersect with other government policies, including planning objectives. The system allows further Climate Action reporting, with over 30 reports generated so far and further assessments planned for 2025.

# 4| Local Authority Climate Action Plans (LA CAPs)



# Work Package 2 LA CAP's

## Case Study 3 Tackling Fleet Idling for Cleaner Air



### Background

As part of Clean Air Week 2024, **ASBN CARO** partnered with Mayo County Council to address the issue of vehicle idling, an often-overlooked contributor to air pollution. With transport emissions playing a significant role in urban air quality degradation, the initiative aimed to raise awareness and drive behavioural change among fleet operators and the wider public.

### Action Taken

1. Development of dynamic 30-second video advertisement tailored for both social media platforms and local cinemas.
2. This was produced in both English and Irish, ensuring accessibility for all audiences. (Click image below to view CARO No Idling video).



3. A poster competition was held with Schools in the County to promote the initiative.
4. All regional CAROs worked together to roll this initiative out across all Local Authorities.
5. Local Authorities actively adopted the No-Idling campaign, utilising social media and cinema screenings to deliver a compelling, visually engaging message.

### Results/Outcomes

The campaign's concise and actionable approach encouraged drivers to rethink their habits, leading to increased awareness and behavioural change and reduced air pollution. It can be seamlessly integrated into many sustainability campaigns, including Clean Air Week and the Green Schools Programme.

## 4 | Local Authority Climate Action Plans (LA CAPs)

### Key Aims & Priorities

- Support all Local Authorities to develop and adopt their Climate Action Plan in response to the Climate Action & Local Carbon Development (Amendment) Act, 2021.
- Support Local Authorities to implement these plans and ensure a coordinated response to implementation at local, regional and sectoral levels.
- Support coordination and engagement with national and regional stakeholders.
- Ensure regional coordination to the development and implementation of plans and reduce duplications of effort in this process.

### Overview

The most significant achievement this year for the Local Authority sector was the adoption of all 31 LA Climate Action Plans with assistance and guidance from the CAROs. The fact that Local Authorities are in close relationships with their communities and have extensive knowledge of the natural and built environments within their functional areas make them best placed for Climate Action against the backdrop of evolving national climate policy. The Local Authority Climate Action plan is the key instrument that strengthens the links between national and international climate policy and the delivery of effective climate action at local and community levels, through place-based climate action. CARO played a significant role with supporting all Local Authorities in the development and adoption of their Climate Action Plans which are ambitious, action-focused, evidence-based, participative and transparent, and aligned with the Climate Action & Local Carbon Development (Amendment) Act, 2021.



*Mayo County Council LA CAP 2024 – 2029*

By providing guidance and fostering coordination and engagement at local, regional, and sectoral levels, CARO play a crucial role in supporting the implementation of the Plans. The CARO's supported the LGMA in the review of the draft SLA between DECC and the Local Authorities on behalf of the CCMA. This SLA was signed by all Local Authorities in Q4 and provided for funding of Climate Action staff.

### Overview of Project Spend

*Spend on main projects under WP 2 in 2024 excluding staff costs and expenses: €54,039.98*

# Achievements

## 31 Local Authority Climate Action Plans adopted and launched

The Minister for the Environment, Climate and Communications, Eamon Ryan, attended the official launch event for the Local Authority Climate Action Plans in the Old Ground Hotel in Ennis, County Clare organised by the CAROs in April.

The Climate Action Regional Offices (CAROs) played a pivotal role in assisting and supporting the progress of local authority climate action plans. All 31 local authorities (with guidance, training and support from CARO) prepared their [Local Climate Action Plans](#) over the previous year and all plans were adopted by the elected members by the end of March . This was a milestone for the local government sector. Collectively there are almost 4,000 actions set out across all 31 plans detailing practical climate measures to be completed in each local authority area over the next five years.

Each climate action plan was built on strong evidence base, with a place-based approach and a climate change risk assessment which sets out the likely risks in terms of climate change, such as increased rainfall or flooding. Whilst working to Ministerial Guidelines, each plan is bottom-up and locally created and is tailored to its local area. The plans demonstrate the ambition, focus and commitment of each Local Authority to reduce carbon emissions and improve the quality of life for people living, working and studying in each county.



*CARO Networking Event 2024 - Minister and CARO Staff*

## Identification of Decarbonising Zones

As part of the preparation of the LA CAPs, and with the support of CARO, each Local Authority has designated a Decarbonising Zone (DZ), focusing on climate mitigation, adaptation, and biodiversity initiatives tailored to their locality. A DZ is a spatial area in which a range of climate mitigation, adaptation and biodiversity measures and action owners are identified to address local low carbon energy, greenhouse gas emissions, and climate needs to contribute to national climate action targets.

DZs are a demonstration site and test bed of what is possible for decarbonisation and climate action at local and community levels, to help support and realise national climate ambition. 41 DZs have been identified across all 31 Local Authorities with some Local Authorities identifying more than one DZ. The total area covered by DZs nationally is 1,869 km<sup>2</sup> and the total population is 530,522 with a baseline of 3.9 MT CO<sub>2</sub>e (2018).

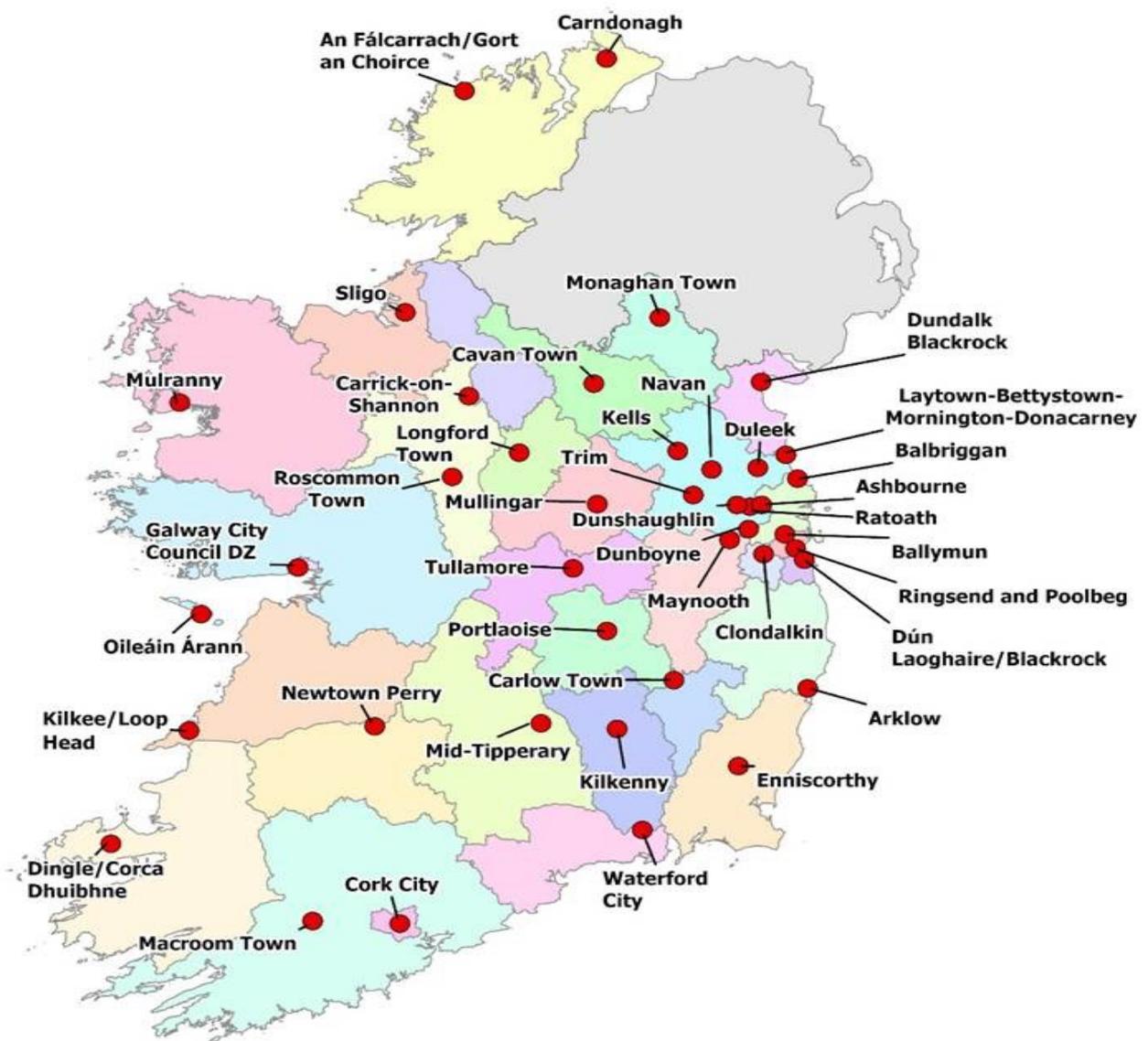


Figure 6: Map of all 41 Decarbonising zones

## Analysis of the actions in the LA CAP's

A project group consisting of members from all the CARO regions and led by E&M CARO and ASBS CARO was established to carry out a [full analysis and report](#) on the actions in all 31 Local Authority Climate Action Plans. The report established that there were a total number of 3,935 actions adopted across all 31 LA CAPs. 3,282 of these relate to the whole local authority administrative area and 653 relate specifically to Decarbonising Zones (DZs). The actions are broken down under various headings including:

- **whether adaptation & mitigation**
- **by category**
- **by classification**
- **by sector**
- **by Stakeholders**
- **potential exemplar projects.**

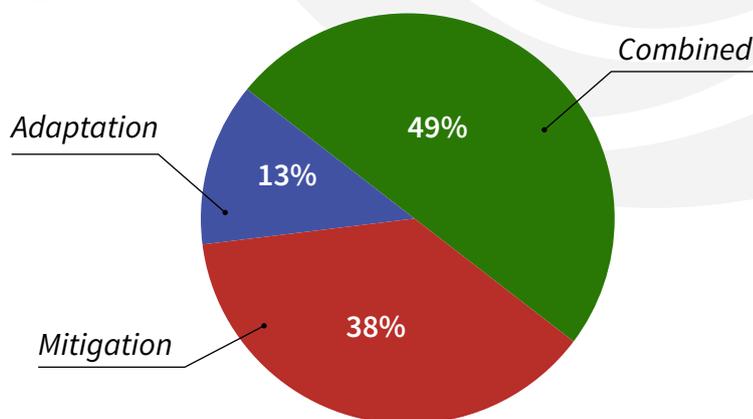


Figure 7: Breakdown of the LACAP Actions

The report also includes a specific section on the actions in all 41 Decarbonising Zones. A [stakeholder analysis](#) and a [sector analysis](#) were also delivered yielding very useful information. These reports are available on the CARO website.

## DZ Advisory Group

In Q3 2024, the DECC in conjunction with SEAI, established a Decarbonising Zone (DZ) Advisory Group to explore the strategic opportunities and challenges presented by the DZs and to provide a support role to local authorities in implementing their DZs. The CCMA ECCE committee and the four CAROs are represented on this Group. It is envisaged that the Group will utilise the CARO regional structure and regional steering groups as a collective, to support the DZs rather than at an individual local authority level. The analysis of actions in the LA CAP's and DZs carried out by the CARO's is being utilised to inform the workings of this group.

## National Networking Event

ASBS CARO led the organisation of the first annual National Networking Event for Climate Action Coordinators, Climate Action Officers, and Directors of Service, bringing together key stakeholders from LGMA and DECC. Held in Ennis, County Clare in April, this two-day gathering strengthened sector-wide collaboration and knowledge-sharing.

## Climate Action Plan Implementation

ASBS CARO played a role in supporting Clare County Council's in-house Climate Action Implementation Workshop in Ennis on May 30th. This is considered as a key training event providing facilitation and strategic guidance to Local Authority climate staff.

## Obstacles

The complexity of supporting the implementation of LA Climate Action Plans across multiple governance levels demands a high level of coordination and resource allocation. Sharing information and case studies in a meaningful way is a challenge on the high level of work being carried out by all 31 Local Authorities. Strengthening inter-agency collaboration and securing additional resources is essential in overcoming these barriers and maintaining CAROs momentum in climate governance. A key obstacle for the delivery of actions in the LA CAPs is the lack of funding particularly in the DZs. The CAROs in cooperation with DECC are seeking opportunities to access additional funding sources to support Local Authorities.



*CARO National Networking Event 2024 – Clare*

# Work Package 2 LA CAP's

## Case Study 4 Decarbonising Zones (DZs) Implementation

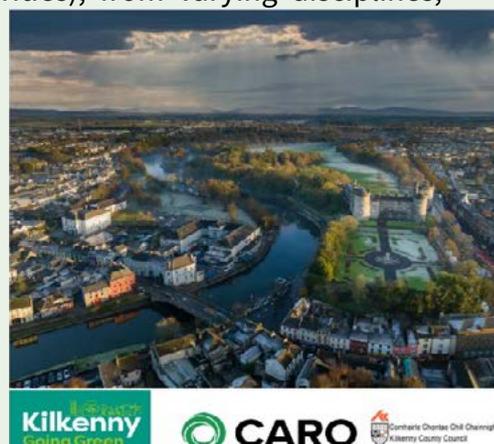


### Background

To support the activation and effective implementation of the 41 Decarbonising Zones (DZs), the **E&M CARO** convened four thematic workshops to support Local Authorities in the implementation of their DZs. The primary objective of the workshops was to bring together Local Authority staff with responsibility for the implementation of the DZs, to explore opportunities, identify challenges, make decisions and develop solutions to progress their DZs.

### Action Taken

- CARO hosted four thematic workshops on DZs in September and October.
- Each workshop concentrated on a specific theme:
  - 25th Sept – Built Environment (Kilkenny).
  - 1st Oct – Community Activation (Mullingar).
  - 9th Oct – Natural Environment (Roscommon).
  - 16th Oct – Bioeconomy (Thurles).
- Each featured expert presentations, site visits, and facilitated group discussions.
- They provided networking and capacity-building opportunities.
- 364 attendees participated (across all 31 Local Authorities), from varying disciplines, predominantly representing services including climate action, roads (active travel), community development, enterprise, biodiversity, and environment.
- Feedback discussions centred on two critical questions:
  - Challenges in activating DZs at the local level.
  - Opportunities to drive DZ initiatives forward.
- A strategic report was prepared on feedback received, which was circulated to Local Authorities and the DZ Advisory Group to inform future action.



### Results/Outcomes

The DZ workshops fostered collaboration and knowledge sharing and insights gained will assist in supporting DZ implementation.

# 5| Adaptation



# Work Package 3 Adaptation

## Case Study 5 Beaches & Dunes Climate Adaptation



### Background

The Beaches & Dunes for Climate Adaptation training programme is a collaborative initiative led by Leave No Trace, the University of Galway, **ASBN CARO** and MSLETB (Mayo, Sligo & Leitrim Education and Training Board). The project was funded by Pobal, under Strand 2 of the Community Climate Action Programme. Together, these partners played a critical role in educating and empowering local groups on Nature-Based Solutions (NbS) to protect coastal ecosystems.

### Action Taken

1. A series of one day workshops was successfully delivered across five counties, bringing together local residents, community leaders, and authorities across five coastal locations, equipping communities with knowledge and skills essential for climate.
2. Topics included sustainable land management, biodiversity conservation, and water resource protection.
3. Interactive discussions and hands-on activities allowed participants to gain practical insights into implementing NbS in their own communities.
4. One Day Field Workshops allowed participants to experience local NbS projects firsthand.
5. Observing dune stabilisation techniques and conservation efforts helped deepen their understanding of how community-driven initiatives can combat coastal erosion.
6. The project partners collaborated to develop Dunes.ie, a dedicated website consolidating key resources for public access.

### Results/Outcomes

The project website [Dunes.ie](https://dunes.ie) is an up-to-date resource for the following materials for any group wishing to conserve sand dunes, 1) Map Your Dunes; An interactive tool for tracking dune stability, 2) Protect Our Dunes Campaign; Educational materials promoting conservation efforts, 3) Guides on Marram Grass Planting & Sand Trap Fencing; Practical techniques for dune stabilisation, and 4) Rural Beach Management Handbook; Best practices for sustainable coastal stewardship.

## 5 | Adaptation

### Key Aims & Priorities

- Support implementation of constituent LA Climate Adaptation Strategies/Action Plans.
- Support the work of the National Adaptation Steering Group.
- Continue to engage with Climate Adaptation sectoral plans and partake in associated national working groups coordinated by central government.
- Provide annual progress reporting on the implementation of the climate change adaptation strategies / Action Plans.

### Overview

CARO continues to support the implementation of adaptation actions of the Local Authority Climate Action Plans, ensuring alignment with national adaptation priorities. Through active participation on the National Adaptation Steering Committee and sectoral working groups, CARO contributes to policy development and adaptation efforts across Ireland.

### Overview of Project Spend

*Spend on main projects under WP 3 in 2024 excluding staff costs and expenses **€9,218.20***

### Achievements

#### National Coastal Change Management Strategy (NCCMS)

All four CAROs have played a significant role in researching and gathering evidence to inform the development of a long-term response programme for coastal change. CARO has supported the startup phase and implementation of the [National Coastal Change Management Strategy](#) (NCCMS) in collaboration with state agencies, particularly OPW and GSI.

CARO remains active within the NCCMS Tier 2 Working Group on Data, facilitating Local Authority participation in trialling a data-gathering tool to enhance coastal change monitoring.



*Coastal Erosion, Seafield, Co. Wexford*

## Advancing Coastal Erosion Resilience

In partnership with Cork County Council, UCC/MaREI, and EU partners, ASBS CARO secured €370k in Horizon Europe funding for a Lighthouse Demonstrator Project focused on soft engineering solutions for coastal resilience.

## Strengthening Coastal Climate Adaptation

ASBN CARO, in collaboration with Leave No Trace Ireland, NUIG, and MLSETB, have progressed the Beaches & Dunes for Climate Adaptation Project, equipping communities with tools to enhance coastal resilience. This initiative includes workshops, a comprehensive toolkit, and pilot sites for nature-based dune restoration.

A public awareness campaign was launched during the Celebration of Beaches and Dunes Event in June, underscoring the importance of sand dune conservation. CARO also supported World Sand Dune Day on June 29th, highlighting global dune protection efforts.



*Beaches & Dunes Event 2024, Strandhill, Co. Sligo*

## Advancing Climate Adaptation for Regional & Local Roads

ASBS CARO continues to lead climate adaptation strategies for regional and local roads. Following the publication of the Climate Adaptation Strategy for Regional & Local Roads, CARO has collaborated on the development of annexes addressing geotechnical assets and critical infrastructure routes and this work is scheduled for completion in 2025.

Funded by the Department of Transport, the 2024 Work Programme integrates decarbonisation strategies for road construction and maintenance, ensuring long-term resilience within Ireland's transport networks.

# Work Package 3 Adaptation

## Case Study 6

### Beaches & Dunes National Event - Strengthening Coastal Resilience



## Background

**ASBN CARO**, Leave No Trace Ireland, the University of Galway, and MSLETB (the partners) recognised the need to bring an increased focus to the conservation of beaches and dunes.

## Action Taken

- On June 25th the partners hosted Ireland's first national event focused on beaches and dunes climate adaptation at the National Surf Centre in Strandhill, County Sligo.
- Over 40 participants attended, including landowners, NGOs, volunteers, Local Authorities, and state agencies.
- The event featured expert-led discussions, poster exhibitions, and a guided beach walk examining erosion control methods.
- Key recommendations from the discussions included:
  - Establishing a national coastal authority.
  - Creating Regional Operational Committees for long-term coastal management.
  - Financial support for community-driven conservation efforts.
  - Increasing impact & legacy.

## Results/Outcomes

By providing structured training, field experiences, and digital learning resources, these partners have laid the groundwork for sustainable coastal conservation efforts that will benefit Ireland's dune ecosystems for generations to come.

## Local Government Sector Adaptation Strategies

The Climate Change Adaptation Scorecard Report, published in September, indicates "good" progress across governance, policy implementation, and risk management categories. Covering the period April 2023–March 2024, this report highlights sector-wide advancements, with all four CAROs contributing structured feedback to the Climate Change Advisory Council.

## Advancing Climate Risk & Vulnerability Assessment

ASBN CARO, in collaboration with Climate Ireland, has developed a semi-quantitative Climate Risk & Vulnerability Assessment methodology to enhance resilience planning. This work advances risk identification and adaptation capacity, with a pilot project currently in development.

## Assessment of Climate Change Risk assessments

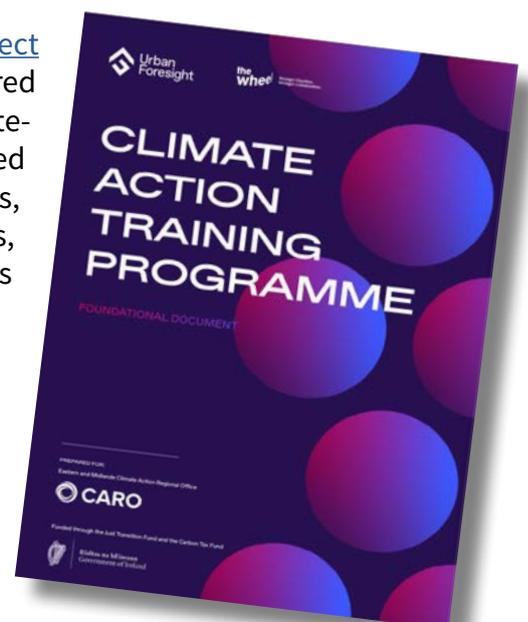
On foot of the adoption of all 31 LA CAPs the E&M CARO undertook an assessment of all Climate Change Risk Assessments (CCRA) to identify the sectoral hazards and risks. Across the country it was established that 10 key hazards were considered within the CCRA with associated risk for the current and future time horizons assessed based on 'frequency' and 'impact'. These hazards were heatwaves, droughts, cold spells, heavy snowfall, coastal erosion, coastal flooding, river flooding, pluvial flooding, groundwater flooding and severe windstorms.

The CCRA results for the current and future were represented in a report using 'rose diagrams', with each hazard represented by a column indicating the associated level of risk. The report was used to feed into other adaptation planning mechanisms including the development of the National Adaptation Framework guidelines (published in 2024), developed to support the development of the Sectoral Adaptation Plans and the undertaking of the National Climate Change Risk Assessment.

## Advancing Just Transition Initiatives

[The Just Transition Community Training and Mentoring Project](#) – EMERGE, led by E&M CARO, supported and empowered Midlands communities to navigate Ireland's shift to a climate-proofed economy and resilient society. Through a multifaceted approach, including webinars, community dialogues, activation planning toolkits, and strategic activation plans, CARO has provided communities with the necessary tools and knowledge for meaningful climate action.

The final evaluation report for the EMERGE project was submitted to DECC in January, marking the completion of this vital initiative. CAROs leadership in capacity-building and collaboration ensures long-term resilience, keeping Midlands communities at the forefront of Ireland's just transition movement.



# Climate Data Collection with the Weather Impact Register (WIRE) App

The WIRE app is a mobile App developed by ASBN CARO for Local Authority staff to capture the impacts of weather events with an associated Map Viewer and Data Dashboard to view and analyse the collected data. ASBN CARO continued to work with Local Authorities to further develop and test the WIRE app and to explore GIS-based solutions. Meetings were also held with Galway County Council to explore opportunities to integrate the WIRE App with OPW’s flood data resources and Galway’s Severe Weather Event Management System (SWEM’s) app. This work will continue in 2025.

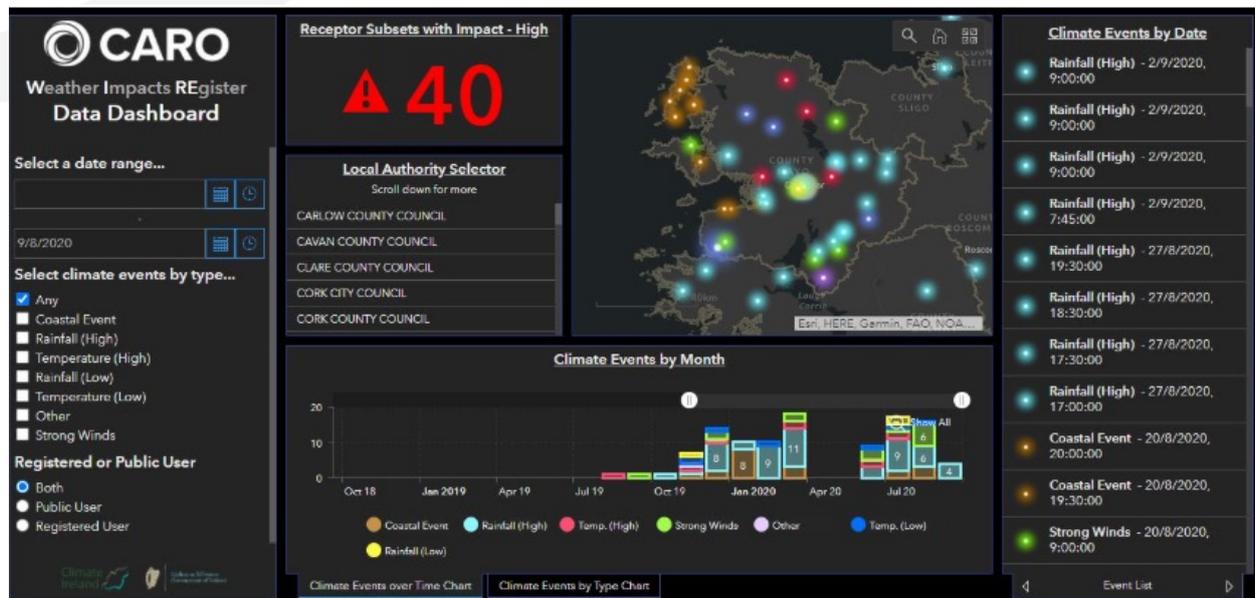


Figure 8: Dashboard of WIRE Mobile App

## Obstacles

Several projects faced challenges due to market constraints, budget limitations, and coordination complexities.

- A limited number of responses to a tender process for a guidance document coupled with excessive costs, resulted in some projects being postponed for that year.

## Work Package 3 Adaptation

### Case Study 7

## Coastal Erosion: (A-AAGORA) Horizon Europe Coastal Erosion Project



### Background

**ASBS CARO** and Cork County Council, in collaboration with UCC/MaREI, secured funding to participate in the Horizon Europe A-AAGORA Project. This initiative focuses on Integrated Coastal Zone Management, using soft measures alongside hard engineering solutions to enhance coastal resilience. The project involves working with local communities, biodiversity planning, and ecosystem restoration. CARO/CCC's role is to establish demonstrator sites in Ireland to test approaches and share findings with other European regions. The project is part of a consortium led by Portuguese and Norwegian partners, who are also developing their own demonstrator sites.

### Action Taken

- Secured Horizon Europe funding for the project.
- Established demonstrator sites for pilot projects in collaboration with UCC/MaREI.
- Engaged local stakeholders, including government bodies and community groups, to ensure broad participation.
- Installed a static coastal monitoring camera at Inchydoney Beach, Cork.
- Deployed two CoastSnap cradles, enabling citizens to capture coastline changes and contribute to a global coastal monitoring database.
- Promoted CoastSnap's community beach monitoring system to enhance citizen engagement in tracking coastal erosion.

### Results/Outcomes

This project strengthened European collaboration on coastal resilience strategies through shared demonstrator sites. It increased public awareness and participation in coastal monitoring via the CoastSnap initiative and provided valuable data on coastal changes, informing future policy and mitigation efforts against erosion.

# 6 | Mitigation



# Work Package 4 Mitigation

## Case Study 8 E&M Regional Energy Units



### Background

The Sustainable Energy Authority of Ireland (SEAI) Pathfinder Programme, established in 2017, supports public bodies in the decarbonisation of Local Authority-owned buildings. The **E&M CARO** collaborates with all 17 Local Authorities in the region, working in partnership with SEAI to secure Pathfinder support.

### Action Taken

- The use of sub-regions was adopted to facilitate cooperation, resulting in the establishment of four Regional Energy Units:
  - Border Regional Energy Unit – Leitrim, Cavan, Monaghan.
  - Midlands Regional Energy Agency – Laois, Longford, Offaly, Westmeath, Roscommon.
  - Mid-East Regional Energy Unit – Louth, Meath, Kildare, Wicklow.
  - South-East Regional Energy Unit – Carlow, Kilkenny, Wexford, Waterford, Tipperary.
- E&M CARO tailored its support to each unit based on its level of progress:
  - Mid-East (Kildare, Meath, Wicklow, Louth) - facilitated the commencement of energy projects and access to Pathfinder funding.
  - Midlands (Laois, Offaly, Westmeath, Longford, Roscommon): Assisted in the establishment of governance structures for regional coordination.
  - Border (Cavan, Monaghan, Leitrim): Focused on embedding an energy management culture, fostering collaboration, and developing governance frameworks for project implementation.
  - South-East (Carlow, Kilkenny, Tipperary, Wexford, Waterford): Developed a position paper, coordinated Local Authority efforts, supported the recruitment of a Regional Energy Manager, and helped establish governance structures.

### Results/Outcomes

The E&M CAROs role in facilitating and coordinating Local Authorities in the region is helping to advance decarbonisation efforts.

## 6 | Mitigation

### Key Aims & Priorities

- Continue to engage with SEAI in the review of opportunities available to Local Authorities to achieve energy efficiency and CO<sub>2</sub> emission reduction targets.
- Continue to liaise with Local Authorities in the development and implementation of Energy Units.
- Continue to coordinate and collaborate with existing Energy Agencies to pursue capital projects.

### Overview

All Local Authorities have an obligation to meet the 2030 emissions reductions and energy efficiency targets set out in the Climate Action Plan, including:

- 51% reduction in greenhouse gas emissions.
- 50% primary energy efficiency improvement.

CARO continues to drive energy efficiency and decarbonisation initiatives by engaging with SEAI to explore opportunities to support Local Authorities to meet these targets. This includes aligning with the principles of the Pathfinder Programme to support Local Authorities to develop 1) projects that improve energy efficiencies and reduce the greenhouse gas emissions from the public sector, 2) projects that support the public bodies transition to net zero carbon emissions and 3) projects that prioritise and promote complete approaches to building retrofit, achieving a BER B and including the use of renewable heating.

By liaising with Local Authorities in the development of Energy Units and collaborating with established Energy Agencies and Energy Bureaux, CARO is fostering a coordinated approach to sustainability and the Pathfinder programme. These efforts ensure that capital projects align with national policy and the infrastructure guidelines while supporting strategic advancements in local energy infrastructure.

### Overview of Project Spend

*Spend on main projects under WP 4 in 2024 excluding staff costs and expenses* **€4,757.64**



*Cork County Council Solar Panels*

# Achievements

## Advancing Local Authority Fleet Decarbonisation

CARO has played a significant role in fleet decarbonisation efforts, supporting the reconfigured working group dedicated to developing a more sustainable fleet strategy. A survey conducted in 2023 assessed Local Authority alignment with *Avoid-Shift-Improve* principles, with findings presented at the CATCEN committee meeting in December 2023.

These insights informed discussions at the March network meeting of fleet managers, reinforcing a data-driven approach to fleet sustainability. CAROs engagement promotes collaboration and innovation, helping Local Authorities work towards their 2030 fleet transformation goals.

### *Launch of New Electric Sweeper Galway City; 1st Local Authority electric sweeper in West of Ireland*



## Advancing Electric Vehicle Charging Strategy

CARO has been instrumental in advancing EV infrastructure development, representing the sector within key Zero Emission Vehicles Ireland (ZEV) Working Groups, including the Public Sector Energy Group, Public-Private Infrastructure Group, and Public-Private Vehicles Group. Through these engagements, CARO fosters collaboration on EV charge point (EVCP) deployment across Local Authorities.

In January, CARO participated in a national ZEV stakeholder meeting, followed by further workshops in February that facilitated public-private sector discussions. Additionally, CARO has supported Dublin's Local Authorities, Smart Dublin, and Codema in developing a Regional EV Charging Strategy and issuing a Prior Information Notice (PIN) to the market for EV charge points. Market responses were assessed driving momentum towards a formal procurement process and tender award for EVCP installation across the Dublin region. CAROs efforts ensure a nationwide transition to sustainable transport through robust EV network development.

# Work Package 4 Mitigation

## Case Study 9 Fleet Decarbonisation – Reimagining Local Authority Fleet



### Background

The Local Government sector is the largest fleet owner in Ireland with approximately 6,500 vehicles. Decarbonising the Local Authority fleet is fundamental to the delivery of Local Authority climate action targets. Since 2020 the City and County Management Association (CCMA) convened a working group to examine ways for a sectoral approach to assist and guide individual Local Authorities to achieve emission reduction and energy efficiency targets for their fleets. The Eastern and Midlands CARO maintain the role of project lead of the working group.

The **E&M CARO** through the working group, seeks to enhance knowledge and understanding and provide support to Local Authorities to advance the task of fleet decarbonisation. In this context the working group has explored policy measures, requirements and their implications for Local Authorities, identified key misconceptions, challenges and opportunities, developed and disseminated guidance documents and case studies and capacity building events.

### Action Taken

- E&M CARO in partnership with the LGMA supported the Fleet Managers Networking Event in March.
- This event provided fleet managers with insights into evolving policy, targets, and decarbonisation options.
- SEAI shared guidance, while case studies from Coillte and Monaghan County Council's Hydrotreated Vegetable Oil (HVO) trial demonstrated practical decarbonisation measures.
- The working group published its third guidance document, detailing how a [Fleet Management System](#) (FMS) can facilitate the transition to low-emission fleets in November. This guidance highlights how FMS can:
  - Track fleet emissions and monitor reductions.
  - Ensure efficiency in vehicle operations through streamlined tracking, fuel monitoring, and registry systems.
  - Support procurement decisions to integrate renewable fuel vehicles into fleets.

### Results/Outcomes

By offering practical tools, capacity-building events, and guidance, E&M CARO continues to drive the decarbonisation of the local government fleet, ensuring that Local Authorities meet stringent emission reduction obligations while maintaining service delivery.

## Advancing Energy Bureaux & Climate Action Units

CARO remains at the forefront of energy efficiency and climate action, collaborating with SEAI and Local Authorities to implement Pathfinder Projects. E&M CARO are supporting several key Energy Bureaux — including the Border Energy Unit, North-West Energy Bureau, Mid-East Energy Unit, Midlands Energy Agency, and South-East Energy Unit which are advancing sustainable infrastructure initiatives.

ASBN CARO has provided strategic support for the ASBN Energy Bureau in developing the Pathfinder 1 programme, which includes 11 projects across the region, and commencing the strategic assessments of projects for inclusion in the Pathfinder 2 programme, which focuses on decarbonising leisure centres. ASBN CARO has also supported the Energy Bureau in reporting on the Gap-To-Target and in supporting Climate staff in changing the culture of each organisation by becoming more energy aware.

Dublin City Council as Lead Authority for DM CARO has signed the Pathfinder Funding Agreement with SEAI, representing the four Dublin LAs. This agreement secures €60M for energy retrofit projects between 2024 and 2027, with 50% funding provided by both SEAI and the LAs. Pathfinder project selection aligns with Decarbonising Strategies and the DeliveREE Project, ensuring compliance with Infrastructure Guidelines and reinforcing long-term sustainability goals.

ASBS CARO has supported the development of Pathfinder partnerships in the southwest region, facilitating meetings between partners and liaising with SEAI. Efforts are underway to establish two energy units in the Atlantic Seaboard South Region:

- The Mid-West Energy Unit (Clare, Limerick, Kerry) is close to being established, and it is planned to finalise agreements with SEAI in 2025.
- Cork County Council and Cork City Council are advancing negotiations on a joint energy unit, with a draft position paper expected to be agreed by senior management in both Local Authorities in 2025.

Through strategic coordination, policy facilitation, and governance support, CARO is enabling Local Authorities to deliver sustainable energy solutions, enhance climate resilience, decarbonisation of local government buildings and progression towards their 2030 and 2050 targets.

## Obstacles

While work is progressing (although slowly) in relation to LA Fleet, decarbonisation of the fleet and EV infrastructure expansion require sustained funding and stakeholder collaboration. Additionally, establishing regional energy units demands significant coordination between Local Authorities, SEAI, and government agencies. Identifying and streaming legal and administrative hurdles is key for ensuring the long-term viability of these initiatives. Continued advocacy for financial and policy support for Local Authorities is necessary to maintain progress.

# 7| Training & Education



# Work Package 5 Training & Education

## Case Study 10

### Local Authority Climate Action Training Programme & Delivery 2024



## Background

The Local Authority Climate Action Training Programme (LACATP) 2024-2027 Training Plan provides the strategic components to enable training to the end of December 2027. This is implemented through the 2024 Training Programme Work Plan and is based on the framework of six training pillars (1st June - December 2024). A robust training structure was put in place to support delivery.

## Action Taken

- Funding for training was secured from the Department of Environment, Climate and Communications (DECC).
- Project leadership by **E&M CARO** via an SLA between Kildare County Council and DECC.
- Collaboration with LASNTG, supported by an SLA between Kildare and Tipperary County Councils.
- Central coordination, procurement, logistics and delivery of training undertaken by LASNTG, leveraging Regional Training Centres and local authority Training Officers.
- Oversight by an Executive Training Group ensuring strategic implementation.
- As part of the development of the 2025 training planning, two thematic training groups were established to oversee development in key areas:
  - Urban Water Nature-Based Solutions.
  - Green Public Procurement.
- Additionally, procurement for a Learning Management System began, aiming to streamline training delivery efficiencies through 2027.
- From June to December, the programme delivered 3,869 training places across five courses as shown below:

Course Title	Description	Participants (2024)
<b>Championing Leadership</b>	Webinars for elected members covering Climate Action Induction, Local Authority Energy Targets, and Community Climate Action (GAA Green Club)	1,207
<b>Delivering Action Outdoor</b>	In-person modules for local authority outdoor staff in Roads, Environment, Water, and Housing	1,120
<b>Delivering Action Fire Services</b>	Training for Local Authority Fire Services staff, developed with the National Directorate for Fire and Emergency Management	399
<b>Raising Awareness</b>	Online induction for new indoor staff (administrative & technical grades)	1,103
<b>Actioning Policy – Roads Management Programme</b>	Level 7 Special Purpose Award, validated by SETU Carlow, developed with LASNTG, DoT, and TII	40

*Figure 9: Training Delivered in 2024*

## Results/Outcomes

Training delivery in 2024 was supported by the robust training structures put under the new training plan 2024-2027.

## 7 | Training & Education

### Key Aims & Priorities

- Maintain multi-annual service level agreement with DECC to secure funding for Local Authority Climate Action Training.
- Implementation of LA Climate Action Training Plan.
- Continue to engage with strategic partners in the delivery of training such as: CCMA, LGMA, SEAI, Climate Ireland, IPA, OPW and Met Éireann, etc.
- Continue to work closely with the LASNTG to design, develop and deliver training and obtain training accreditation as require.

### Overview

CARO, with funding from the Department of the Environment, Climate and Communications (DECC), continues to lead the development and delivery of Local Authority Climate Action Training. This initiative supports capacity building across the sector through the implementation of the Local Authority Climate Action Training Programme (LACATP) 2024–2027 Training Plan. The Eastern & Midlands CARO (E&M CARO) acts as the project lead for the training programme in close collaboration with strategic partners including the CCMA, LGMA, AILG, SEAI, Climate Ireland, IPA, OPW, and Met Éireann to ensure the delivery of high-quality training. They also work very closely with the Local Authority Services National Training Group (LASNTG) on training delivery. This is supported by way of an SLA between Kildare and Tipperary County Councils. The number of places allocated under the 2024 Training Programme Work Plan was set at 2,450.

Funding for the training programme is provided by DECC and approved annually through voted expenditure. This funding is distinct from the core funding allocated to the CAROs. A dedicated Service Level Agreement (SLA) between DECC and Kildare County Council, as host authority for the E&M CARO, governs the training programme. Under this SLA, €500,000 is allocated annually until the end of 2027.

### Overview of Project Spend

*Spend on main projects under WP 5 in 2024 excluding staff costs and expenses* **€20,549.35**

# Achievements

## Climate Action Training Plan 2024 - 2027

The Climate Action Training Programme (2020–2023) was extended until March 2024 and successfully delivered 27,860 training places to over 23,000 participants. A high-level steering group, chaired by a CATCEN Committee member who oversaw the preparation of the next iteration of the LACATP Training Plan 2024 -2027, which was endorsed by the CATCEN Committee in May and approved by the CCMA on May 17th.

A new multi-annual Service Level Agreement (SLA), to fund this initiative was signed between DECC and Kildare County Council as the Lead Authority for E&M CARO in June, marking the start of the second phase of climate action training. This agreement ensures continued capacity-building efforts across Local Authorities, reinforcing their ability to implement effective climate strategies.

## Tipperary & Kildare Climate Action Training Programme Contract Signing

To support the delivery of training over the lifetime of the plan, an SLA between Kildare County Council and Tipperary County Council (LASNTG) was signed on Friday 22nd November which outlines the arrangements between the two Local Authorities for implementation. The E&M CARO work in close collaboration with the LASNTG on training delivery.



*Tipperary & Kildare Climate Action Training Programme Contract Signing*

## Training Delivery 2024

Local Authority Climate Action Training commenced delivery under a new training plan on 1<sup>st</sup> June with five training courses targeting elected members, outdoor staff, fire services staff, indoor staff, new staff (induction) and roads management staff. Training was provided in online and in-person formats. The total number of training places delivered in 2024 to the 31<sup>st</sup> December was 4,110.

Other activities ancillary to training development included the establishment of an Executive Training Group to oversee training delivery under the new plan, procurement of a Learning Management System to bring greater accessibility and management to future training and general procurement activities related to future training delivery.

## Obstacles

The projected training numbers under the 2024 Training Programme Work Plan were set at 2,450. This number was exceeded with 3,869 training places delivered. No obstacles were encountered as all planned activities for 2024 were delivered.

# Work Package 5 Training & Education

## Case Study 11 Local Authority Climate Action Training Plan 2024 - 2027



### Background

Building climate action awareness and capacity in the Local Authorities is acknowledged as being essential to support the leadership role required to address the challenges of climate change. Local Authority Climate Action Training is fundamental in supporting enhanced capacities and knowledge within the sector in this regard. In January the **E&M CARO** convened a multi-disciplinary and stakeholder steering group to oversee and support the development of a new training plan guiding future training needs and priorities in the area of Local Authority Climate Action.

### Action Taken

- Multi-disciplinary steering group convened, bringing together key stakeholders, including:
  - City and County Management Association (CCMA).
  - Department of Environment, Climate and Communications (DECC).
  - Association of Irish Local Government (AILG).
  - EPA/Climate Ireland, SEAI, Met Éireann, LGMA, LASNTG, and Institute of Public Administration.
- Through extensive consultation and research, the plan was shaped by:
  - An indepth review of climate training from 2021–2023.
  - Quantitative and qualitative research and analysis including surveys of Directors of Service, Climate Action Coordinators, and Training Officers.
  - Survey of Government Departments and Agencies.
  - Landscape review of existing training offerings and climate and sustainability policy context.
- €1.75M SLA Agreement was signed between Kildare County Council and DECC (1<sup>st</sup> June), securing financial support for training delivery.
- A SLA Agreement between Kildare and Tipperary County Councils (LASNTG) was signed on the 22<sup>nd</sup> of November outlining implementation responsibilities.
- The plan was endorsed by the Climate Action, Transport, Circular Economy and Networks Committee (9<sup>th</sup> May) and formally approved by the CCMA (17<sup>th</sup> May).

### Results/Outcomes

The training plan brings together critical elements and considerations to enable training to be delivered over its lifetime, to end of December 2027 and includes training framework, governance, strategic partnerships, training development and delivery. As part of this, implementation is guided by annual training Work Programmes that will address matters related to target training groups, proposed method(s) of delivery, timeframes, anticipated budget, indicative thematic / subject matter, delivery risks and dependencies, resources etc.

# Work Package 5 Training & Education

## Case Study 12 Training Event for LA Climate Staff in ASBN CARO Region



### Background

Due to the large number of new staff both in **ASBN CARO** and in the Climate Teams in the five Local Authorities, a training and networking event was held in Westport in November.

### Action Taken

- On 25th November ASBN CARO hosted a training and networking event for the Region.
- The themes for the day were funding and tree planting initiatives on Public Lands.
- Presentations on Funding Models and by Coillte were given in the morning.
- The day was interactive with each Local Authority presenting a Case Study on “using a funding and finance model successfully”.
- In the afternoon, Coillte gave a tour of the nearby Colonels Wood. This was originally an old woodland consisting of native species, but exotic conifers had been introduced in the 1960’s. From 2019 to 2024, Coillte began systematically removing the Conifers and replacing them with native species and incorporating walkways throughout the wood. The woods are very accessible to Westport Town and have now become a further attraction.
- Brainstorming sessions closed off the day to examine how we could communicate better and learn from others throughout our region.

### Results/Outcomes

This was a very positive day for team building with the Climate and CARO staff in the region. It established contacts and provided a platform for shared learnings and further engagement.

# 8| Communication & Citizen Engagement



# Work Package 6 Communication & Citizen Engagement

## Case Study 13 GAA Green Club Programme



### Background

The GAA Green Club Programme, a strategic partnership between the GAA and the City and County Management Association (CCMA), grounded by a mutual objective for community-led climate action. A Memorandum of Understanding forms the basis of the strategic partnership with the CARO being fundamental to the delivery and operation of the programme within Local Authorities. The **E&M CARO** plays a key role in delivering the initiative within Local Authorities, ensuring collaboration and engagement.

### Action Taken

- Representation on the Programme's Steering Group.
- Coordination of Local Authority Points of Contact. Each Local Authority designated at least one point of contact to support participating clubs.
- E&M CARO provided introductory materials to all clubs.
- E&M CARO hosted a webinar on the 18th Sept to share updates on Phase 3 and highlight successful Local Authority-club partnerships.
- On 9th November, the Phase 2 Recognition Event at Croke Park celebrated clubs achieving Green Club status, showcasing initiatives in energy, waste, water, biodiversity, and travel and the following initiatives:
  - Energy: Solar PV, LED upgrades, and energy-efficient clubhouse improvements.
  - Waste: Reusable bottles, outdoor taps, and gear swaps to reduce consumption.
  - Sustainable travel: Bike racks, carpooling, and safer walking/cycling routes.
  - Biodiversity: Pollinator-friendly planting, native trees for shade and flood management.
- Phase 3 was launched at the event, with applications open until mid-January 2025.

### Results/Outcomes

E&M CARO remains committed to supporting over 400 clubs, ensuring continued Local Authority engagement in fostering community sustainability and climate action.

## 8 | Communication & Citizen Engagement

### Key Aims & Priorities

- Maintain communications between CAROs and all relevant stakeholders at county, regional, national and sectoral levels.
- Maintain and keep CARO website up to date including regular news items, LA case studies, review of knowledge hub and general maintenance.
- Support National Dialogue, Community Climate Conversation and Climate Literacy initiatives.
- Support Local Authorities with provision of content and branding to assist them in their communication of the implementation of their climate action plans.

### Overview

CARO remains committed to strengthening communications with key stakeholders at county, regional, national, and sectoral levels, ensuring continuous engagement and alignment with climate action initiatives. Maintaining and updating the CARO website plays a crucial role in this effort, providing regular news updates, LA case studies, and a knowledge hub to support Local Authority staff. Additionally, CARO actively supports the National Dialogue, Community Climate Conversation, and Climate Literacy initiatives, promoting climate awareness and policy engagement. Assisting Local Authorities in branding and content development for communicating progress on the implementation of their Climate Action Plans remains a priority to ensure effective outreach and public engagement.

### Overview of Project Spend

*Spend on main projects under WP 6 in 2024 excluding staff costs and expenses* **€9,894.60**

### Achievements

#### Strengthening the GAA Green Club Programme

CARO continues to play a pivotal role in supporting the GAA Green Club Programme, now in Phase 2, with 200 clubs testing five thematic toolkits namely, Energy, Waste, Water, Biodiversity, and Travel. Local Authorities have appointed Points of Contact to assist clubs in implementing sustainability projects, ensuring strong coordination and guidance.

CARO remains actively engaged, providing support to Local Authorities while collaborating with the GAA and expert partners to enhance the programme impact. A webinar in September facilitated knowledge-sharing and strategy development. CARO will work closely with stakeholders to enable Phase 3 progression in 2025.

## Advancing Age-Friendly Climate Action

CARO, in partnership with Age Friendly Ireland (AFI), continued to lead Age-Friendly Climate Action Workshops, ensuring older populations remain actively engaged in climate resilience efforts. The hybrid training model, combining in-person and virtual workshops, offers accessible learning opportunities tailored to older persons and communities.

A major milestone was the workshop held during Dublin Climate Action Week in September, reinforcing DM CAROs commitment to inclusive climate education. Building on this success, additional workshops are planned for Q1 2025 to expand outreach and engagement.

## Driving Co-Creation & Climate Action

ASBN CARO, in collaboration with UG, Energy Cooperatives Ireland, Volunteer Ireland, and Local Authorities across the ASBN region, continues to advance the Climate Connected Project. This initiative will provide a dynamic toolkit designed to empower communities to take action by reducing carbon footprints, establishing decarbonisation committees, and developing Local Climate Action Plans.

The project will feature a dedicated website ([climateconnected.ie](https://climateconnected.ie)) serving as a knowledge-sharing hub on case studies both individual and Community based. Supported by designated decarbonisation zone communities (Aran Islands, Mulranny), the voluntary sector, and ASBN CARO, this initiative aligns with Local Authority Climate Action Plans (LA CAPs) and DZ strategies.



*Climate Connected Project Co-Creation*

ASBN CARO are members of the project steering group, ensuring stakeholder collaboration and implementation support. Work is progressing on refining tools and expanding accessibility, with the project set for completion by the end of 2025, fostering community-led climate resilience.

## Dublin Climate Action Week

DM CARO, in partnership with Fingal County Council, Dublin City Council, South Dublin County Council, Dún Laoghaire-Rathdown County Council, and Codema – Dublin’s Energy Agency, successfully organised a programme of events for Dublin Climate Action Week (September 9–15).

The primary objective was to strengthen connections between community groups, businesses, and organisations while showcasing Local Authority-led climate initiatives across the Dublin region. A key event facilitated by CARO was Climate Careers Day, where climate professionals were interviewed by students and collaborated with staff from each of the four Dublin Local Authorities to address specific climate challenges.



*Dublin Climate Action Week 2024*

## ASBS CARO Climate Action engagement at Munster Agricultural Society Cork Show

In mid-June the team from ASBS CARO had a stand at the Munster Agricultural Society Cork Show, at the showgrounds just outside Cork City. The event was attended by over 40,000 people over the two days and the stand, housed in the Cork County Council Marquee was extremely busy. The stand included simple experiments about the science of climate change and the impacts of sea level rise on coastal counties. The attractions at the stand proved very popular with children and parents from agricultural and non-agricultural backgrounds, who engaged in conversation on climate change issues. Elected members, TDs and the Tánaiste were all visitors to the stand and engaged with CARO staff.

# Work Package 6 Communication & Citizen Engagement

## Case Study 14 Communication Resources for Local Authorities to promote Case Studies



### Background

**ASBS CARO** recognised the need to develop communication resources for Local Authorities (LAs), focusing on climate action case studies. A key objective was to create engaging and informative video content that highlights sustainable initiatives and supports wider awareness.

### Action Taken

- Purchased video equipment and editing software to support in-house content creation.
- Captured and produced a fully in-house video showcasing the use of [solar panels at Cork County Council's Water Quality Laboratory](#) and [Kerry County Council's first nZEB \(Nearly Zero Energy Building\)](#) located at the main campus at Rathass in Tralee.
- Developed staff proficiency in video production and editing through hands-on experience.
- Established plans for significant video content expansion in 2025, focusing on various climate action initiatives.
- Footage taken by ASBS staff was shared with the DECC Communications Section, who incorporated the material for videos to be released in 2025.

### Results/Outcomes

This strengthened LA communication strategies through engaging visual storytelling and increased awareness of climate action initiatives and by fostering community engagement. It also facilitated flexibility by having internal video production capacity, enabling ongoing content creation without external support.



*ASBS Cork Stand at the Munster Agricultural Society Cork Show*

## Communications Strategy

CARO has commenced a comprehensive review of its Communication Strategy, aimed at improving outreach and stakeholder interactions, promoting a stronger connection between CARO and its partners. A dedicated sub-group has been established to progress this work in 2025 following the CARO Review.

## CARO Website Review

ASBN CARO advised the CMG of concerns regarding Platform support for the website. Following this, they initiated a comprehensive survey of LA and CARO staff on the content of CARO.ie to ensure the website remains an effective resource for Local Authority staff and other audiences. This user survey gathered feedback on site functionality, accessibility, and engagement, alongside an assessment of hosting and operational costs to enhance sustainability.

The review also examined LA CAP actions monitoring and reporting, aiming to integrate a dedicated tracking mechanism to improve transparency and sector-wide collaboration via the website. Research was carried out to establish if the existing database and reporting tool NEMIS hosted by the LGMA could be utilised. The findings of the sub-group reported that this was not feasible, and an alternative tool is required. Building on these insights, ASBN CARO plans to conduct a scoping exercise in 2025 to assess technological synergy between the website and reporting tools before redevelopment proceeds. CARO remains committed to delivering a streamlined, user-focused, easily accessible digital platform that supports climate action coordination at all levels.

## Supporting the Community Climate Action Programme

In 2024, ASBN CARO supported the rollout of the new Community Climate Action Programme/Fund in collaboration with the Community Climate Action Officer (CCAO) in Mayo County Council. This support included drafting key programme documents—such as the application form, evaluation form, and funding contract—which were subsequently made available through the CCAO’s wider network. ASBN CARO also contributed to the evaluation process by participating in the Local Authority approval committee. To further support implementation, CAROs ensured the inclusion of CCAOs in regular LA Climate Team meetings and networking events at both local and regional levels.

## Obstacles

CARO faced challenges in maintaining digital platforms, staff resources, and strategic alignment due to budget constraints and evolving policy frameworks.

- The CARO Newsletter was discontinued after feedback indicated reduced relevance and poor readership.
- Outdated website content was flagged as a persistent issue, and this is linked to the requirement for dedicated staff to ensure updates and relevance of content.
- Migration to a new website platform remains a priority but will require substantial funding.
- There was an extensive learning curve for the use of the newly purchased video equipment and editing software and this delayed the creation to effective content.
- The Communications Strategy review was suspended pending the outcome of the CARO Review regarding whether CARO had a public facing role as well as a Local Authority facing role. This also impacts on the layout of the website as it currently has both a Public Face and an LA Portal.



*CARO National Networking Event, Clare*

# Work Package 6 Communication & Citizen Engagement

## Case Study 15 Minority report – Digital Tool for Climate Resilience



### Background

The Minority Report Project is advancing Ireland’s climate resilience by supporting the development and delivery of the Ringsend/Poolbeg Decarbonisation Zone (DZ). This initiative addresses future climate risks related to critical infrastructure, ensuring urban areas are prepared for extreme weather and environmental challenges. Through interdisciplinary collaboration, the Minority Report Project is developing people-centric digital tools that will enhance - 1) Climate change mitigation strategies, 2) Natural risk resilience in vulnerable building stock, and 3) Data-driven solutions integrating urban climatology, building technology, social science, and disaster management. These digital methodologies provide practical insights for policymakers, urban planners, and communities, setting a foundation for sustainable infrastructure adaptation.

### Action Taken

- **DM CARO**, in partnership with Dublin City Council, played a key role in disseminating findings from the project to support the broader Decarbonisation Zone implementation.

### Results/Outcomes

By leveraging research-driven insights, this initiative ensures that Local Authorities, urban developers, and policymakers have access to cutting-edge solutions for climate adaptation and resilience-building. The outcomes of [Minority Report](#) will contribute to shaping future DZ strategies, reinforcing Ireland’s leadership in urban sustainability.

# 9 | Knowledge Development



# Work Package 7 Knowledge Development

## Case Study 16 EU Mission for 100 Climate-Neutral & Smart Cities



### Background

Dublin City and Cork City are actively engaged in the EU Mission for 100 Climate-Neutral and Smart Cities, with strategic support from **Dublin Metropolitan Climate Action Regional Office** (DM CARO). This EU initiative aims to accelerate urban climate action by enabling systems innovation through the development of a climate city contract that serves as a transition road map utilising various levers to accelerate action to achieve climate neutrality.

### Action Taken

- For Dublin City, DM CARO has been instrumental in developing its Climate City Contract, which outlines a comprehensive action plan and investment plan. The Cities' Climate City Contracts highlight policy and implementation challenges at local, national, and EU levels, and provides a roadmap for achieving climate neutrality that does no harm by unlocking barriers.
- Dublin and Cork Cities successfully secured funding for BUILD CAPACITIES, a joint pilot city project that commenced in September. The project is designed to reshape how city governments collaborate and integrate climate action by addressing the following:
  - Internal coordination across departments and disciplines.
  - Engagement with national government and public bodies.
  - Collaboration with academia, business, and local communities
- Through these efforts, BUILD CAPACITIES is laying the foundation for systemic transformation needed for climate action, ensuring climate neutrality is embedded in urban governance.

### Results/Outcomes

The pilot focuses on applying behavioural urban insights to climate policy, fostering effective decision-making and transformative change. Learnings from this initiative will be communicated widely to influence sustainable urban development beyond Dublin and Cork. By supporting these cities in the EU Mission, DM CARO plays a critical role in accelerating smart. [EU Mission for 100 Climate-Neutral and Smart Cities.](#)

## 9 | Knowledge Development

### Key Aims & Priorities

- Collaborate with 3rd level Institutions on behalf of the local government sector in areas relevant to climate action research and initiatives
- Participate in relevant research projects, steering groups, working groups and evaluations, as appropriate
- Participate in the EPA Climate Research Co-ordination Group

### Overview

Keeping up to date on Climate Knowledge and Policies and disseminating this information is a key value of the CAROs. This requires a continued focus on climate action efforts by fostering collaboration, research, and strategic engagement to drive impactful change. Through partnerships with third-level institutions and participation in key research initiatives, the aim is to ensure that the local government sector remains up to date and at the forefront of climate action. Active involvement in steering groups, working groups, and evaluations further strengthens the knowledge base and decision-making process in this space.

### Overview of Project Spend

*Spend on main projects under WP 7 in 2024 excluding staff costs and expenses* **€1,344**

### Achievements

#### Accessible Funding Inventory

Progress was made by DM CARO in identifying available funding within an ever-changing funding landscape. The [inventory of funding opportunities](#) was reviewed and updated on the CARO website, ensuring stakeholders have the most relevant and up-to-date information to support informed decision-making on climate action initiatives.

#### Covenant of Mayors

CARO engagement with the Covenant of Mayors and the EU Missions throughout the year provided valuable opportunities for knowledge exchange and experience-sharing with other cities, further enriching the collective approach to climate resilience.

#### EU Adaptation Mission

Engagement with EU Adaptation Missions has provided opportunities to address adaptation challenges facing Ireland through expert engagement with Climate Matters.



## Obstacles

Engagement with third level institutions is normally in the form of partnerships or associates on funded projects. While many of these projects are very interesting and relevant, it can be very time consuming to be involved from application stage and then on the Project Steering Group. With the small teams in the CAROs this can be an obstacle to participate in other projects.

Funding for small projects associated with research can also be an issue as CARO is funded primarily as a staff resource. There are also so many potential projects that there is a requirement to be able to categorise them according to relevance and usefulness. Finally, keeping up to date on the Projects and Research Projects available requires dedicated staff who are not currently available. The CAROs are utilising students where possible to support this work.



*Dublin City Climate Action Week Walkshop*

# Work Package 7 Knowledge Development

## Case Study 17 Green Roof Pilot Project



### Background

The Green Roof Pilot Project, led by **DM CARO** in collaboration with University College Dublin (UCD), AquaRoot Technologies Ltd, and Energy Harvesting Solutions Ltd, explored nature-based solutions (NBS) for urban runoff management. The initiative aimed to assess the effectiveness of green roof systems in reducing flood risk and enhancing urban resilience.

### Action Taken

- Throughout 2024, green roof monitoring technology was installed at multiple sites across Dublin.
- Using machine learning models and advanced event-based measurements, the study provided data-driven insights for urban environmental planning.
- Key findings highlighted that green roofs:
  - Reduce runoff volume, mitigating pressure on drainage systems
  - Delay peak flow, preventing sudden surges during heavy rainfall
  - Improve urban resilience, offering sustainable flood management strategies

### Results/Outcomes

The research underscores the potential of green roofs as scalable climate adaptation solutions, aligning with local and national sustainability goals. Insights from this pilot will be disseminated across Local Authorities, informing future urban planning and climate resilience. [Green Roof Pilot Project Report](#).

# Appendices



# Appendix 1 CARO 2024 Work Programme

This report summarises significant progress made on actions within the 2024 Work Programme. Relevant unaddressed actions were carried forward into the 2025 Work Programme. In addition, a number of actions continue to be advanced through CARO’s participation in various advisory and working groups.

## Work Package 1: Governance and Partnerships

### Key Aims & Priorities

- Ensure adherence to governance structures at National, Regional and local level.
- Provide support to the CCMA in implementing the Delivering Effective Climate Action, 2030 including issues such as establishing local climate action structures, recruitment of additional resources etc.
- Maintain relationships with the Regional Assemblies through the regional steering groups
- Maintain relationships with strategic partners such as DECC, SEAI, EPA, OPR, Irish Planning Institute, Energy Agencies, OPW, etc.
- Continue to support LAs in the implementation of the Climate Action Charter
- Other governance issues as may be requested by CCMA and / or DECC through relevant committees and channels

No.	Action	Policy	KPI/Track
<b>1</b>	<b>Continue to support CARO governance structure</b>		
	Drafting and inputting into reports, minutes, presentations etc.:		
	<ul style="list-style-type: none"> <li>• Strategic Implementation Group (CCMA-DECC) x 4</li> <li>• Stakeholder Advisory Group x 4</li> <li>• CARO Management Group meetings x 4</li> <li>• Coordinator Meetings (weekly)</li> </ul>		
1.1	<ul style="list-style-type: none"> <li>• Regional Steering Group meetings x 6 (DM CARO 4 per annum) (&amp; sub-regional x 6 – EM CARO)</li> <li>• CARO team meetings internal</li> <li>• CARO National Meeting x 1</li> <li>• Working Group meetings (e.g. Comms Working Group).</li> <li>• Internal host Local Authority governance requirements</li> </ul>	CARO Business Case, CARO SLA 2023-2029, Lead LA Corporate Plan and Annual Service Delivery Plan	Attendance at meetings at appropriate level of seniority and timely circulation of paper/ documents
1.2	Provide appropriate administrative, budgeting, financial reporting and logistical support to relevant CARO and other partners as required.		Trackable/Report interaction.
<b>2</b>	<b>Actively engage with Q3/2024 external review of CARO</b>	<b>CARO Business Case (original), DECA2030, CAP2023, LA CAP Guidelines, CARO SLA</b>	<b>Trackable</b>
<b>3</b>	<b>Provide input to government and sectoral consultations where relevant and when requested by the SIG/CCMA</b>	<b>Various climate action policy areas</b>	<b>Trackable</b>

No.	Action	Policy	KPI/Track
<b>4</b>	<b>Develop and maintain relationships with strategic partners</b>		
4.1	Maintain relationships with strategic partners such as DECC, SEAI, EPA, OPR, Irish Planning Institute, Energy Agencies, OPW, LAWPRO, WERLA, Regional Assemblies etc	Various climate action policy areas	Trackable
4.2	Maintain cross-border relationships and promote cross-boundary climate action projects such as: <ul style="list-style-type: none"> <li>Develop relationship with Solace NI incl. assist in delivering the Cooperation Ireland Climate Action Conference (<b>Cooperation Ireland did not host any events in 2024 due to ongoing political delays, and there is no progress to report</b>).</li> <li>Examine connecting with CCAP Strand 1A projects</li> <li>Support the Donegal/Derry Strabane partnership on climate action.</li> <li>Shared Island Fund</li> </ul>	Various climate action policy areas	Trackable
<b>5</b>	<b>Project Manage the development and implementation of climate action outcome indicators with the Climate Action KPI Working Group</b>		
5.1	Project Manage the development of KPIs and data collection, in collaboration with research unit of LGMA, to examine and support the performance of Climate Action across key functional areas of Local Authorities, in line with DECA 2030.	Various climate action policy areas	Trackable
5.2	Report findings at regular intervals to CCMA CATCEN committee, for endorsement and to inform future data collection.	Various climate action policy areas	Trackable
<b>6</b>	<b>Review and update the Local Authority Climate Action Charter</b>		
6.1	Review and update the Local Authority Climate Action Charter		Trackable
6.2	Draft an updated version of existing charter in alignment with: 2030/2050 targets; government policy on climate action; the public sector mandate		Trackable
6.3	Draft an updated version of existing charter in alignment with: 2030/2050 targets; government policy on climate action; the public sector mandate		Trackable
<b>7</b>	<b>Provide the Department with all reasonable requested information and updates in a timely manner, including parliamentary questions, prepare briefing material, or to comply with international, EU and national reporting requirements.</b>		<b>Trackable</b>

## Work Package 2: Local Authority Climate Action Plans

### Key Aims & Priorities

- Support all Local Authorities to develop and adopt their Climate Action Plan in response to the Climate Action & Local Carbon Development (Amendment) Act, 2021
- Support Local Authorities to implement these plans and ensure a coordinated response to implementation at local, regional and sectoral levels
- Support coordination and engagement with national and regional stakeholders
- Ensure regional coordination to the development and implementation of plans and reduce duplications of effort in this process

No.	Action	Policy	KPI/Track
<b>1</b>	<b>Support the implementation of LA CAPs. Help to build and maintain capacity within LAs to complete and deliver LA CAPs and the DZ Implementation Plans. This will include providing support, advice and guidance to LAs and coordinating with Local Authority Climate Action Teams.</b>	<b>Climate Action &amp; Low Carbon (Amendment) Act 2021</b>	
1.1	Support the continued development and rollout of training and workshops (national, regional, sub-regional and local) to Local Authorities on implementation, reporting and funding activation.		Trackable
1.2	Establish and maintain framework contracts to assist Local Authorities in the delivery and implementation of LA CAP.		Trackable
1.3	Organise and host networking and capacity building events on relevant subject areas relating to national climate policy and local government, LA CAPs and DZs implementation, reporting and funding activation etc.		Trackable
1.4	Coordinate regional meetings training, recruitment support etc.		Trackable
<b>3</b>	<b>Review all LA CAP actions to establish key priority areas, promote coordination in implementation and inform engagement with stakeholders</b>		
3.1	Identify commonality in themes, focus areas and actions through a centralised database		Trackable
3.2	Develop a report with chapters themed by sector stakeholders		Trackable
3.3	Develop a summary document of LA CAPs for each sector - Inventory of Actions		Trackable
3.4	From the review of LA CAP reporting, identify best practice, innovation examples and disseminate these across the sector through peer-to-peer engagement		Trackable
<b>4</b>	<b>Review all DZ actions to inform key priority areas and support the effective implementation of Decarbonising Zones</b>		
4.1	Identify commonality in register of opportunities, focus areas and actions through a centralised database and use this inform guidance, coordination and any targeted funding sources		Trackable

No.	Action	Policy	KPI/Track
4.2	Contribute to the DZ Action Group to be established by DECC		Trackable
4.3	Develop a summary document of LA CAPs for each sector - Inventory of Actions		
<b>5</b>	<b>Work with DECC to support coordination and engagement with national and regional stakeholders</b>		
5.1	Work with regional and national climate action governance structures to facilitate communication and engagement across LAs, state agencies, depts and external stakeholders to support the LA CAPs	DECA 2030	
5.2	Support regional coordination for shared/similar actions to ensure alignment of, and synergies between, LA CAPs for bordering LAs		Trackable
5.3	Engage with departments/agencies in their delivery of Sectoral Adaptation Plans, the review of the National Adaptation Framework and CAP to consider how the LA CAPs could support relevant actions.		Trackable
5.4	Establish a forum with key stakeholders to discuss and clarify the interaction between spatial planning and LA CAPs in the context of the Planning and Development Bill (2023).		Trackable
<b>6</b>	<b>Help identify and interpret national &amp; sectoral actions for LAs to consider in the implementation of LA CAPs</b>		
6.1	Identify LA actions in CAP2024 (and annual revisions) which LAs are fully accountable for and assist the sector to interpret how these might correlate with actions in their LA CAP (2024-2029), i.e.: <ul style="list-style-type: none"> <li>Undertake Assessment of CAP2024 and implications for LA sector in line with LA CAP Guidance responsibility matrix</li> <li>Produce and disseminate guide to LA on their responsibilities under CAP24 and how related to LA CAPs [agree branding/disclaimers with DECC]</li> </ul>	CAP2024+	Trackable
6.2	Help identify LA functions and services that can influence and support actions in National CAPs just transition, citizen engagement, enterprise, energy, waste, built environment, agriculture, LULUCF, circular economy and adaptation (subject to CATCEN approval)		Trackable
<b>7</b>	<b>Support the development of Climate Action KPIs and Local Authority Reporting of LA CAPs</b>		
7.1	Develop a monitoring and reporting system and collaboration platform for LA CAPs aligned with the needs of DECC's reporting requirements under the National Climate Action Plan	CAP2023, draft LA CAP guidelines	Trackable
7.2	Assist the sector to monitor and report on progress towards achieving decarbonisation and energy efficiency (e.g. SEAI M&R).		Trackable

## Work Package 3: Adaptation

### Key Aims & Priorities

- Support implementation of constituent LA Climate Adaptation Strategies/Action Plans
- Support the work of the National Adaptation Steering Group
- Continue to engage with Climate Adaptation sectoral plans and partake in associated national working groups coordinated by central government
- Provide annual progress report on the implementation of the climate change adaptation strategies / Action Plans.

No.	Action	Policy	KPI/Track
<b>1</b>	<b>Support the sector build capacity and integrate climate adaptation into LA functions and services</b>	<b>National Adaptation Framework, LA Adaptation Strategies, DECA2030, Training Strategy</b>	
1.1	Work with sectoral partners to support the integration of climate adaptation plans and actions through the Local Authority sector.		Trackable
1.2	Support the sector with network building across key climate adaptation stakeholders.		Trackable
1.3	Provide input into the development of, and to support local level input as required for: <ul style="list-style-type: none"> <li>• The National Climate Change Risk Assessment (NCCRA)</li> <li>• The National Adaptation Framework</li> <li>• Sectoral Adaptation Plans (x8 current, up to 13 possible for all sectors)</li> <li>• Climate Action Plan 2025</li> </ul>		Trackable
<b>2</b>	<b>Support the sector with national reporting requirements</b>	<b>National Adaptation Framework</b>	
2.1	Report to DECC on adaptation progress from the local government sector under the National Adaptation Framework upon request and as specified, to integrate with reporting from the LA CAP.		Trackable
2.2	Provide Annual progress reports to CCAC as requested.		Trackable
<b>3</b>	<b>Participate in various Adaptation Working Groups that support adaptation planning and development for the sector.</b>	<b>National Adaptation Framework, LA Adaptation Strategies, DECA2030</b>	
3.1	Represent LA sector on Climate Ireland Technical Advisory Group, including meeting with the EPA quarterly to discuss work programmes		Trackable
3.2	Support and contribute to the National Coastal Erosion Strategy Steering Group and Technical Working Group and any follow-on implementation group seeking CARO's input.		

No.	Action	Policy	KPI/Track
3.3	Participate with the National Flood Forecasting Working Group and provide support to actions.		Trackable
3.4	Help promote and communicate activities of the EU Mission on Adaptation across the LA Sector.		Trackable
<b>4</b>	<b>Deliver various CARO Climate Adaptation Projects/Initiatives</b>	<b>National Adaptation Framework, LA Adaptation Strategies, DECA2030</b>	
4.1	CARO line management and oversight of the development of Local Authority strategy for adaptation of local and regional roads and related projects in partnership with the Department of Transport.		Trackable
4.2	Engage with relevant stakeholders to develop and Pilot climate change risk and vulnerability methodology for Local Authorities and report on learnings and recommendations for future work.		Trackable
4.3	CAF Strand 2 Project - ASBN In partnership with Leave No Trace and the ETB develop training and demonstration sites for coastal nature-based solutions.		Trackable
4.4	Coordinate and support the Sand Dune Awareness Working Group in ASBN Region to facilitate community groups in preservation and restoration of sand dunes.		Trackable
4.5	Review WIRE app development process and explore opportunities for broader engagement and use of the WIRE app database and explore avenues of capturing relevant datasets.		Trackable
4.6	Act as a stakeholder in the joint GSI/EPA/Met Eireann funded research project to develop an updated methodology for groundwater recharge estimation and produce new maps for different future climate scenarios.		Trackable
<b>5</b>	<b>Coastal Change Management</b>		<b>Trackable</b>
5.1	Assist with implementing the National Coastal Change Management Strategy (NCCMS). In association with state agencies, particularly OPW and GSI, assist them with carrying out research and evidence gathering to inform the establishment of a long-term programme of response to coastal change.		Trackable
5.2	As per the NCCMS and 2022 CARO Scoping Report identify and scope requirements for additional technical, environmental and administrative capacity at LA level.		Trackable
5.3	ASBS: Progress guidance and training requirements for Local Authorities in the area of coastal erosion and coastal change.		Trackable
5.4	AA- Agora Horizon Project: Support the ongoing project to develop Nature-based solutions to coastal erosion with EU partners/MaRIE/Cork Co Co.		Trackable

## Work Package 4: Mitigation

### Key Aims & Priorities

- Continue to engage with SEAI in the review of opportunities available to Local Authorities to achieve energy efficiency and CO2 emission reduction targets
- Continue to liaise with Local Authorities in the development and implementation of Energy Units
- Continue to coordinate and collaborate with existing Energy Agencies to pursue capital projects

No.	Action	Policy	KPI/Track
<b>1</b>	<b>Support the development of Energy Agencies/Bureaux/Units</b>	<b>DECA 2030</b>	<b>Trackable</b>
1.1	Support the development of Energy Agencies/Bureaux/Units where required across the CARO regions. Provide regional supports to assist LAs in progressing SEAI Pathfinder Programme projects in each region.		Trackable
<b>2</b>	<b>Support the role of Local Authorities in implementing the national Electric Vehicle Charging Strategy 2022-2025</b>	<b>Electric Vehicle Charging Strategy 2022-2025</b>	<b>Trackable</b>
2.1	Participate and provide input to various ZEV Working Groups.		Trackable
2.2	Participate and provide input to Local Authority sector on a regional basis to develop and implement joint EV Infrastructure strategies.		Trackable
<b>3</b>	<b>SEAI/Energy Related Work</b>	<b>DECA 2030, CAP2021 - Public Sector Targets</b>	<b>Trackable</b>
3.1	Work with SEAI to develop the role of Local Authorities in the delivery of Sustainable Energy Communities.		Trackable
3.2	Support and provide input into the SEAI Energy Performance Officer (EPO) network in partnership with the SEAI and the LGMA.		Trackable
3.3	Work with the SEAI to scope and potentially develop the role of LAs in the delivery of Renewable Energy Communities. Engage with the SEAI Community Team to advance the SEC programme.		Trackable
3.4	Explore with SEAI if additional supports are required by LAs to facilitate the development and implementation of more/more engaged Sustainable Energy Communities.		
3.5	Assist LAs in developing the building registers as required in the SEAI 2024 reporting cycle on SEAI's M&R system. Achieved through supporting Energy Bureaux and Energy Agencies.		Trackable

No.	Action	Policy	KPI/Track
<b>4</b>	<b>Deliver various CARO Climate Mitigation Projects/Initiatives</b>	<b>DECA 2030, CAP2021 - Public Sector Targets</b>	<b>Trackable</b>
4.1	In partnership with the CCMA and LGMA, progress the Reimagining Local Authority Fleet Project and translate to Local Authorities as a fleet decarbonisation strategy.		Trackable
4.2	Undertake feasibility stage for the development of a "Green Campus" award for Local Authority facilities.		Trackable
4.3	ASBS: CARO management/line management/reporting input to partnership with the Department of Transport, progress the scoping of decarbonising roads project.		Trackable
4.4	Engage and build relationship with DOT to support the effective implementation of sustainable mobility and demand management programme at the Local Authority level.		Trackable

## Work Package 5: Training & Education

### Key Aims & Priorities

- Maintain multi-annual service level agreement with DECC to govern funding for Local Authority climate action training
- Implementation of LA Climate Action Training Plan
- Continue to engage with strategic partners in the delivery of training such as: CCMA, LGMA, SEAI, Climate Ireland, IPA, OPW and Met Éireann, etc.
- Continue to work closely with the LASNTG to design, develop and deliver training and obtain training accreditation as required

No.	Action	Policy	KPI/Track
1	<b>Work closely with the Local Authority National Services Training Group to deliver climate action training</b>	<b>Local Authority Climate Action Training Strategy, Training Programme SLA</b>	<b>Trackable</b>
2	<b>Complete Climate Action Training Programme 2020-2023 (to complete at end Q1 2024)</b>	<b>Local Authority Climate Action Training Strategy, Training Programme SLA</b>	<b>Trackable</b>
2.1	Finalise training for outdoor staff under the Delivering Action pillar and community facing staff under Empowering Change Pillar.		Trackable
2.2	Review and Collate all training data of training programme 2020-2023 by end Q1 2024 .		Trackable
3	<b>Convene High Level Steering Group to oversee the development of LA Climate Action Training Plan 2024-2027.</b>		<b>Trackable</b>
3.1	Undertake training needs analysis to inform future training requirements.		Trackable
3.2	Engage strategic partners for the delivery of future training.		Trackable
3.3	Develop a future training plan for endorsement through the CATCEN committee.		Trackable
3.4	Engage DECC to secure support for implementation of training programme.		
4	<b>Engage with DECC to advance the training SLA 2024-2027 by end of Q1 for commencement in Q2.</b>		<b>Trackable</b>
5	<b>Develop and implement specific training courses to support the implementation of the LAC APs, in line with training plan 2024-2027</b>	<b>Climate Action &amp; Low Carbon Development (Amendment) Act 2021, draft LA CAP guidelines</b>	<b>Trackable</b>

## Work Package 6: Communications & Citizen Engagement

### Key Aims & Priorities

- Maintain communications between CAROs and all relevant stakeholders at county, regional, national and sectoral levels
- Maintain and keep CARO website up to date including: regular news items, LA case studies, review of knowledge hub and general maintenance
- Support National Dialogue, Community Climate Conversation and Climate Literacy initiatives
- Support Local Authorities with provision of content and branding to assist them in their communication of the implementation of their climate action plans

No.	Action	Policy	KPI/Track
<b>1</b>	<b>Maintain and update the CARO website as an information repository and collaborative forum for Local Authority teams</b>	<b>CARO Business Case, CARO Communications Strategy</b>	<b>Trackable</b>
1.1	Update content with news items, research communication tools, case studies, events, training etc.		Trackable
1.2	Carry out a review of current website structure and implement recommendations.		Trackable
<b>2</b>	<b>Review need and uptake of quarterly newsletter and consider ceasing. Q1 2024</b>	<b>CARO Business Case, CARO Communications Strategy</b>	<b>Trackable</b>
<b>3</b>	<b>Support the development and implementation of the CCMA / GAA Green Clubs Project: Green Club Steering and Working Group membership</b>	<b>DECA 2030, CCMA/ GAA Partnership</b>	<b>Trackable</b>
3.1	Contribute to GAA GC steering group to promote engagement between Local Authorities and GAA clubs to promote uptake of programme		Trackable
<b>4</b>	<b>Assist Local Authorities in rolling out the Climate Action Community Fund.</b>	<b>Climate Action Fund and Strand 1 framework, DECC support for resources</b>	<b>Trackable</b>
<b>5</b>	<b>Provide support to the National Dialogue on Climate Action and the Climate Conversations: e.g. attending relevant events, providing updates, disseminating information to the sector and collating information.</b>	<b>CAP2021</b>	<b>Trackable</b>
<b>6</b>	<b>Deliver various CARO Climate Communication Projects/Initiatives</b>	<b>Various</b>	<b>Trackable</b>
6.1	CAF Strand 2 - In partnership with UoG and the 5 LAs in the ASBN support the development and implementation of the Climate Connected Project toolkits for the 5 DZs in the region.		Trackable
6.2	Agree branding protocols for CARO work with LGMA/CCMA/DECC comms offices, as related to CARO publications.		Trackable

No.	Action	Policy	KPI/Track
6.3	Attend and support and contribute to Local Authority and other stakeholder Climate/outreach/public events as requested.		Trackable
6.4	Support the dissemination of Government climate action branding and information to promote its uptake across the sector.		Trackable
<b>7</b>	<b>Develop Communications Resources for LAs</b>		<b>Trackable</b>
7.1	Develop standard slide decks and templates on various climate action themes for use by all Local Authorities.		Trackable
7.2	Through collaboration with credible and reliable sources such as Met Eireann and Climate Ireland, develop branding and media content for Local Authorities to communicate the implementation of the LA CAP and related SDG initiatives across the Local Authority sector.		Trackable
7.3	Collate and draft climate action case studies for use by LAs in public communications to promote climate action and as an educational tool.		Trackable

## Work Package 7: Knowledge Development

### Key Aims & Priorities

- Collaborate with 3rd level Institutions on behalf of the local government sector in areas relevant to climate action research and initiatives
- Participate in relevant research projects, steering groups, working groups and evaluations, as appropriate
- Participate in the EPA Climate Research Co-ordination Group

No.	Action	Policy	KPI/Track
1	<b>Maintain an inventory of available funding for climate action research and projects and make available on the CARO website</b>	<b>CARO Communications Strategy</b>	<b>Trackable</b>
2	<b>Engage with relevant partners within EU/International context to share learning from the Irish local government climate context, access best practice, and for peer to peer learning e.g. Climate NI, Covenant of Mayors, EU Missions</b>	<b>DECA 2030</b>	<b>Trackable</b>
3	<b>Engage working partners to support the CCMA Business Tourism Enterprise Innovation Urban Economic Renewal (BTEIUR) and Economic Opportunities from Climate Action SG to promote communications on economic opportunities arising from climate action, and the delivery of outputs.</b>	<b>DECA 2030</b>	<b>Trackable</b>
4	<b>Continue to support relevant 3rd level/partner research projects and to disseminate relevant information across local authorities (inter alia below:) and as opportunities are presented</b>	<b>DECA 2030, CARO Communications Strategy, LA CA Training Strategy</b>	<b>Trackable</b>
4.1	Assist with the Green Roof Pilot Project, working with UCD to test nature based solutions on roofs across the Dublin region.		Trackable
4.2	ASBS: Cork Co Co Flooding & Coastal Unit / UCC Engineering x 2 PhD students working on coastal erosion.		Trackable
5	<b>Represent the sector on National Climate Research Coordination Group</b>	<b>DECA 2030, LA CA Training Strategy</b>	<b>Trackable</b>

## Appendix 2: Abbreviations

<b>ASBN</b>	<b>Atlantic Seaboard North</b>
<b>ASBS</b>	<b>Atlantic Seaboard South</b>
<b>CARO</b>	<b>Climate Action Regional Office</b>
<b>CATCEN</b>	<b>Climate Action, Transport, Circular Economy and Networks Committee</b>
<b>CCAC</b>	<b>Climate Change Advisory Council</b>
<b>CCMA</b>	<b>County and City Management Association</b>
<b>DECC</b>	<b>Department of the Environment, Climate and Communications (now Department of Climate, Energy and Environment)</b>
<b>DM</b>	<b>Dublin Metropolitan</b>
<b>DHLGH</b>	<b>Department of Housing, Local Government and Heritage</b>
<b>DZ</b>	<b>Decarbonising Zone</b>
<b>EM</b>	<b>Eastern &amp; Midlands</b>
<b>EU</b>	<b>European Union</b>
<b>EVCP</b>	<b>Electric Vehicle Charge Point</b>
<b>GAA</b>	<b>Gaelic Athletic Association</b>
<b>HVO</b>	<b>Hydrotreated Vegetable Oil</b>
<b>KPI</b>	<b>Key Performance Indicator</b>
<b>LA CAP</b>	<b>Local Authority Climate Action Plan</b>
<b>LASNTG</b>	<b>Local Authority Services National Training Group</b>
<b>LGMA</b>	<b>Local Government Management Agency</b>
<b>MaREI</b>	<b>Marine Renewable Energy Ireland</b>
<b>NbS</b>	<b>Nature-based Solutions</b>
<b>NCCMS</b>	<b>National Coastal Change Management Strategy</b>
<b>NCCRA</b>	<b>National Climate Change Risk Assessment</b>
<b>NGO</b>	<b>Non-governmental organisation</b>
<b>NOAC</b>	<b>National Oversight and Audit Commission</b>
<b>OPW</b>	<b>Office of Public Works</b>
<b>SDG</b>	<b>Sustainable Development Goals</b>
<b>SEAI</b>	<b>Sustainable Energy Authority Ireland</b>
<b>UoG</b>	<b>University of Galway</b>
<b>UCC</b>	<b>University College Cork</b>

# Appendix 3: Reports, documents, and videos referenced in the CARO Annual Report 2024

## Reports & Documents

### 1. Delivering Effective Climate Action 2030

- [Strategy document guiding local government climate action](#)

### 2. National Coastal Change Management Strategy

- [Report of the Inter-Departmental Group](#)

### 3. Climate Adaptation Strategy for Regional & Local Roads

- [Available on gov.ie](#)

### 4. Decarbonising the Local Authority Fleet

- [Fleet Management System Guidance](#)

### 5. Local Authority Climate Action Plans (LA CAPs) 2024–2029

- [All 31 plans adopted and published](#)

### 6. LA CAP Stakeholder Reports

- [Analysis of stakeholder roles in climate action plans](#)

### 7. LA CAP Sectoral Reports

- [Sector-specific breakdowns of climate actions](#)

### 8. Climate Action KPI Report 2023

- [Published by the Local Government Climate Action KPI Working Group](#)

### 9. EMERGE Final Evaluation Report

- [Just Transition Community Training and Mentoring Project](#)

### 10. Climate Change Adaptation Scorecard Report (2024)

- [Sector-wide progress on adaptation strategies](#)

### 11. Green Roof Pilot Project Report

- [Research report on nature-based solutions for urban runoff](#)

### 12. Minority Report Project

- [A pioneering project dedicated to enhancing the resilience of vulnerable urban populations and their built environments against disruptive climate events](#)

### 13. U Mission for 100 Climate-Neutral and Smart Cities

- [Pilot project for systemic urban climate action transformation](#)

### 14. CARO Annual Work Programme 2024

Structured into seven work packages, see appendices page 68

## Videos

1. No Idling Campaign Video
  - [30-second ad in English and Irish for Clean Air Week](#)
2. Cork County Council's Water Quality Laboratory
  - [Video showcasing solar panel use](#)
3. Kerry County Council's First nZEB Building
  - [Video highlighting sustainable building design](#)

## Websites Referenced in the Report

1. CARO Website
  - <https://www.caro.ie>
  - Hosts reports, case studies, training resources, and climate action tools
2. Dunes.ie
  - <https://www.dunes.ie>
  - A dedicated site for coastal adaptation resources, including dune mapping and conservation guides
3. Climate Connected Project
  - <https://www.climateconnected.ie>
  - A toolkit and knowledge-sharing hub for community-led climate action
4. LGMA Website
  - <https://www.lgma.ie>

## Appendix 4: Report Images

Page	Image	Title
Cover		Minister Eamon Ryan and Liam Conneely CE Galway County Council, CARO networking event 2024 - Clare
2-3		Hands-On Learning: Beaches and Dunes for Climate Adaptation Training Community Workshop
10		Hands-On Learning: Beaches and Dunes for Climate Adaptation Training Community Workshop
14		On the Ground in Clare: Local Authority and CARO Teams during a field visit – CARO Networking Event 2024
18		CARO Management Group Meeting at Oweninny Wind Farm, Mayo
24		Minister Eamon Ryan and Liam Conneely CE Galway County Council, CARO Networking Event 2024 - Clare
32		Hands-On Learning: Beaches and Dunes for Climate Adaptation Training Community Workshop
40		The Claddagh, Galway City
46		On the Ground Learning in Clare: Local Authority and CARO Teams – CARO Networking Event 2024
53		Field Engagement: CARO and Local Authority Teams in Action – Networking Event 2024 - Clare
62		New Pedestrian Bridge, Galway City – Enhancing Urban Connectivity and Sustainable Mobility
67		Bertra Beach, Mayo



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