



An Roinn Comhshaol,  
Aeráide agus Cumarsáide  
Department of the Environment,  
Climate and Communications



An Roinn Tíbhócht,  
Rialáil Ábhaí agus Oidhreacht  
Department of Housing,  
Local Government and Heritage



LOCAL AUTHORITY  
Climate Action  
Training Programme



Local Authority  
Waters  
Programme  
About Communities | Local Government | Local Authorities



Comhairle Luibheolaíochta Ceannairde agus Ceannairde  
County and City Management Services



Environmental Protection Agency  
An tAonadairde ar Chosaint an Ceimice

# ESTG Annual Conference 2023

**14<sup>th</sup> September**  
**Welcome**

**Conference Will Begin at 9.30am**

- Welcome from Mayor of Galway City Council

**Session 1- Climate Action**

**Chair Michael McGarvey, Donegal Co.Co.**

1<sup>st</sup> Ireland's Climate Ambition

2<sup>nd</sup> National Climate Policy Direction-Cap 23/24

3<sup>rd</sup> Local Authority Climate Action Planning

Join the Q&A session at Slido.com and enter #2847552 QR Code



For more information on this conference please contact the Local Authority  
Services National Training Group.

T: 052 616 6260E: [lasntg@tipperarycoco.ie](mailto:lasntg@tipperarycoco.ie) | W: [www.lasntg.ie](http://www.lasntg.ie)





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# Environmental Services Training Group

## Session 1, Presentation 1

Ms. Marie Donnelly,

Chair of the Climate Advisory Council

Clayton Galway, September 2023

Environmenta  
l Services  
Training  
Group  
Marie  
Donnelly  
14.09.2023





## Overview

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- Climate Change Advisory Council
- Global situation, structures and actions
- EU situation, structures and actions
- Ireland situation, structures and actions
- Carbon Budgets; Sectoral Emissions Ceilings; projections and inventories
- Role of Local Government
- Council's recommendations



# What and Who We Are

The Climate Change Advisory Council is an independent advisory body providing evidence-based advice and recommendations on policy to support Ireland's just transition to a biodiversity rich, environmentally sustainable, climate neutral and resilient society.



Marie Donnelly  
**(Chair)**



Prof. Peter Thorne  
**(AC Chair)**



Prof. Dr Ottmar Edenhofer



Prof. John Fitzgerald



Patricia King



Andrew Murphy



Prof. Morgan D. Bazilian



Dr. Cara Augustenborg



Julie Sinnamon



**Laura Burke**



Prof. Frank O'Mara



Eoin Moran



Jillian Mahon



Sinead O'Brien

## CCAC Annual Review - Context

Each year the Climate Change Advisory Council reviews Ireland's performance of the previous year in:

- reducing greenhouse gas emissions,
- complying with the carbon budget and each sectoral emissions ceiling for that period,
- meeting Ireland's EU and international obligations,
- moving towards the National Climate Objective and preparing Ireland for the adjustments needed to be ready for the impacts of climate change.

**Ireland will not meet the targets set in the first and second carbon budget periods unless urgent action is taken immediately and emissions begin to fall much more rapidly.**

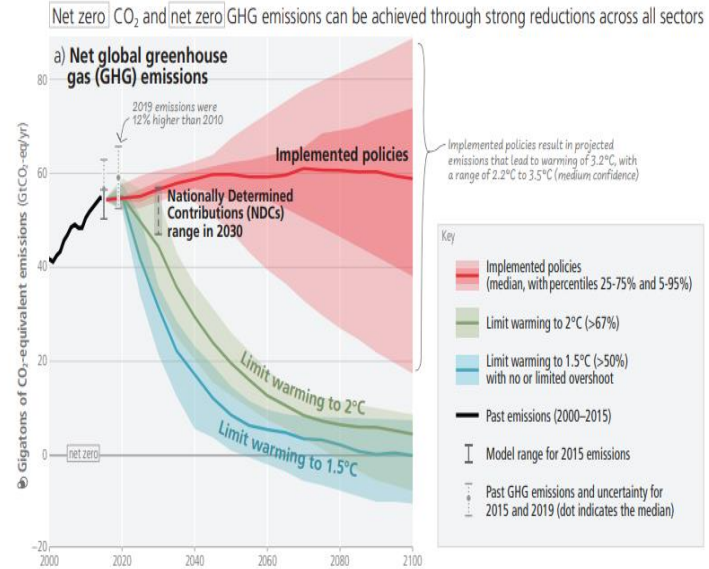


# Global situation, structures and actions

Cumulative emissions over time is what counts

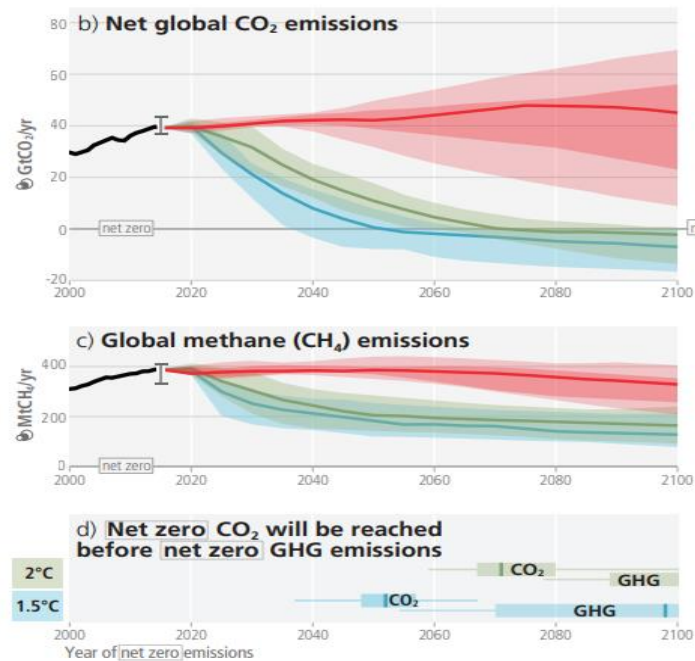
- There is a 66% likelihood that the annual average near-surface global temperature between 2023 and 2027 will be more than 1.5°C above pre-industrial levels for at least one year ([World Meteorological Organization](https://www.wmo.int) (WMO)).
- [UNFCCC Paris Agreement](https://unfccc.int/paris-agreement) set the ambition of limiting warming to 1.5°C and 2.0°C
- Conference of the Parties (COP) = annual meeting, COP 28 in Dubai in December through a Global Stocktake
- Nationally Determined Contributions (NDC) from each of the 190 signatory countries

Limiting warming to 1.5°C and 2°C involves rapid, deep and in most cases immediate greenhouse gas emission reductions



## Global Carbon Budgets

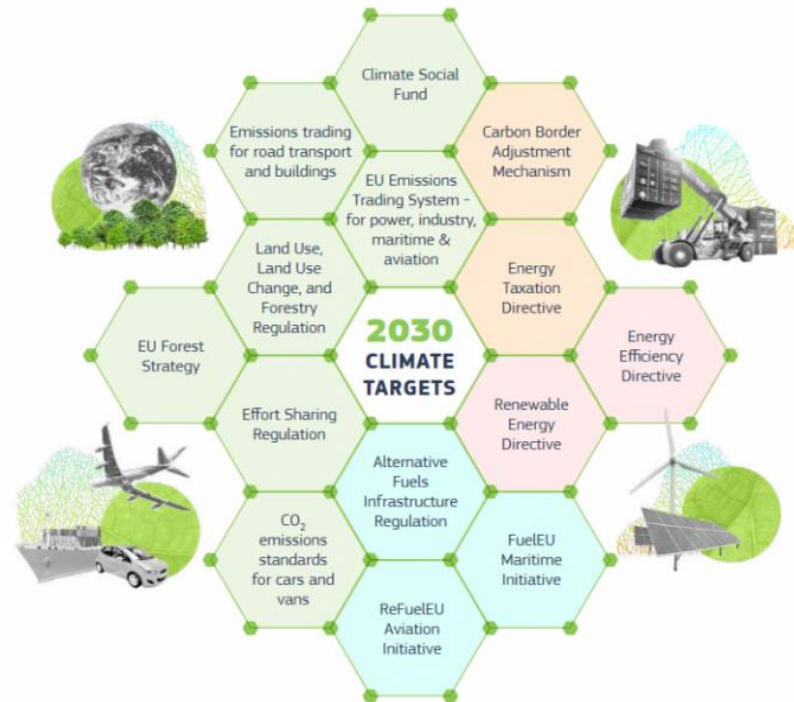
- Carbon Dioxide needs to reduce to zero
- Methane needs to reduce rapidly and stabilise
- UNFCCC will assess progress against these objectives at COP28 in Dubai ([Global Stocktake](#))





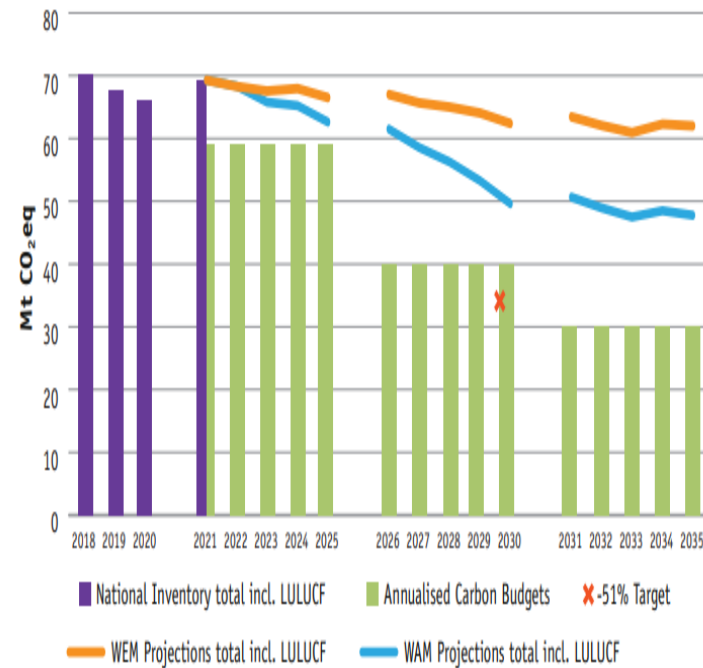
## EU situation, structures and actions

- Per capita emissions at 7.77 metric tonnes (-33% since 1990)
- EU aims for overall 55% reduction by 2030 v 1990 (approx. 30% so far)
- Emissions trading Scheme (ETS) i.e. industry emissions to reduce by 62%
- EU Non ETS i.e. buildings, transport, agriculture, to reduce by 40%
- Binding national targets for Land use land use change and forestry (LULUCF)
- Wide range of legislation
- Targets by sector / Member State
- Annual reporting by Member States



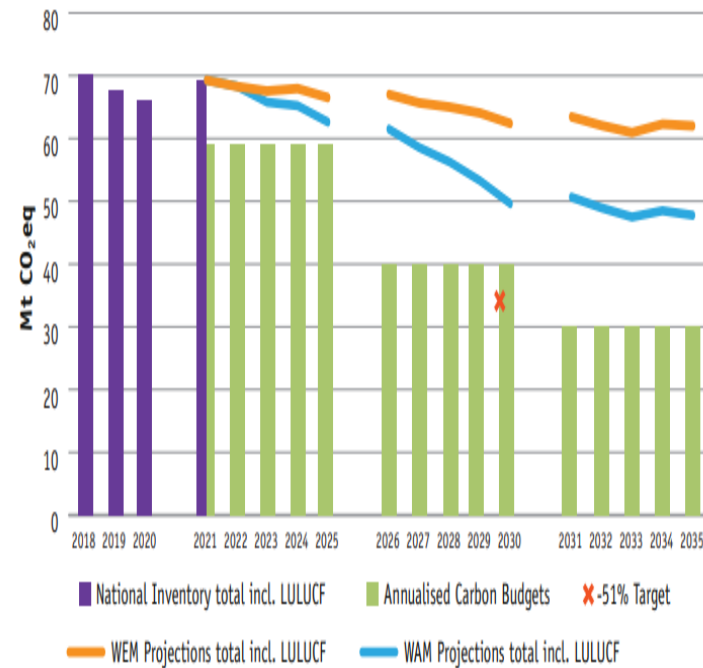
## Ireland situation, structures and actions

- Per capita emissions at 12.2 metric tonnes (almost static since 1990)
- Amended legislation in 2021
- Overall 51% reduction by 2030
- All economy 5 year carbon budgets
- Sector ceilings for Agriculture, Buildings, Electricity, Industry and Transport
- National Climate Action Plan (NCAP) annually
- Quarterly reporting by NCAP Delivery Board



## Ireland's Carbon Budgets

- Act requires CCAC to propose Carbon Budgets
- Govt and Oireachtas adopt
- Govt allocates effort as Sectoral Emissions Ceilings



## Sectoral Emissions Ceilings

Sectors	Projected Emissions 2021-2025 (Mt CO <sub>2</sub> eq)	Sectoral Ceiling 2021-2025 (Mt CO <sub>2</sub> eq)	Projected Emissions 2026-2030 (Mt CO <sub>2</sub> eq)	Sectoral Ceiling 2026-2030 (Mt CO <sub>2</sub> eq)
Electricity	45.2	40	28.2	20
Transport	55.1	54	42.4	37
Buildings (Residential)	29.8	29	22.9	23
Buildings (Comm and Public)	7.1	7	5.3	5
Industry	34.4	30	33.5	24
Agriculture	111.6	106	99.5	96
Other <sup>19</sup>	9.7	9	8.9	8
LULUCF (no ceiling currently)	39.1		39.3	
Total with LULUCF	332.1	295	280.0	200

### CCAC Annual review 2023 (selected extracts)

Sector	Emissions in 2022 (MtCO <sub>2</sub> eq)	% Change from previous year	% SEC consumed 2021–2025	% of SECs likely 2021–2030
<b>Agriculture</b>	23.3	-1.2	44.3	104.5
<b>Transport</b>	11.6	+6.0	41.9	105.9
<b>Electricity</b>	9.8	-2.0	49.3	123.0
<b>Industry</b>	6.6	-7.2	45.6	125.1
<b>Buildings</b>	6.1	-12.7	45.2	101,2

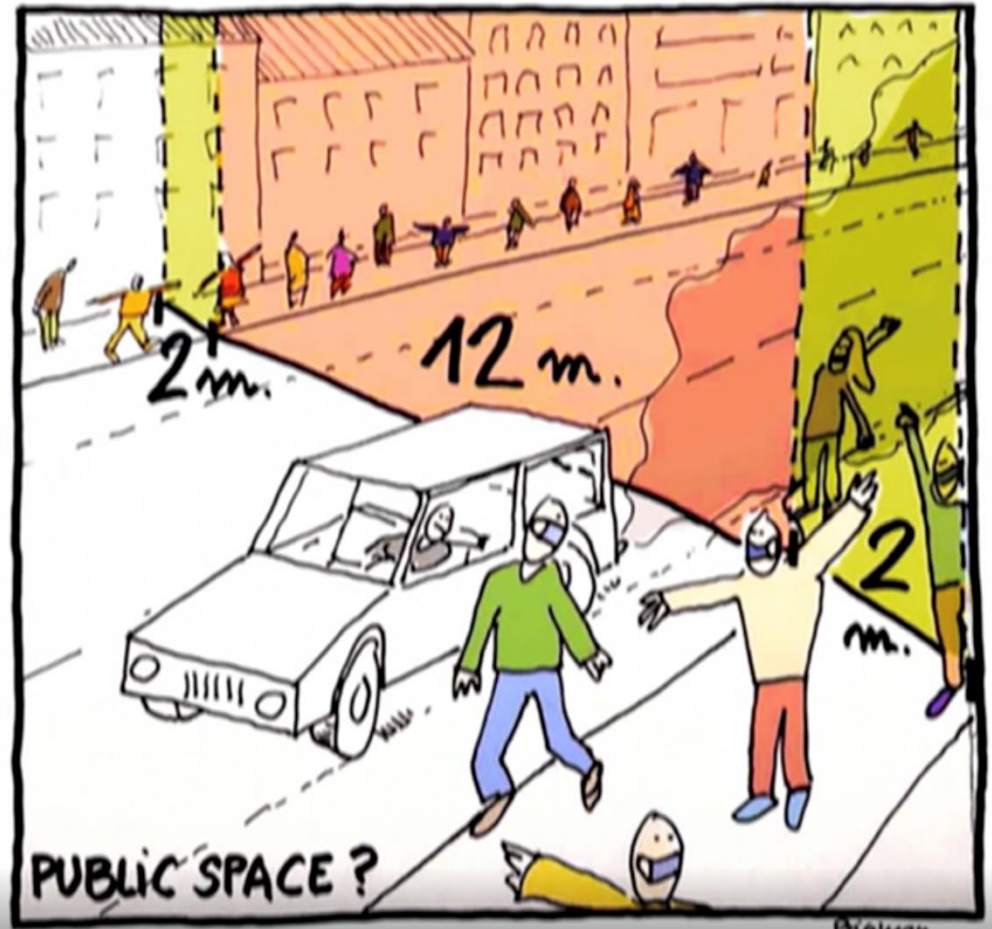
## Local Government (selected) Recommendations

- Adaptation - Given rising sea levels, a **Coastal Management Strategy** is urgently needed to help actively manage our changing coastlines.
- Electricity - Government needs to conclude work on laying out where and what type of **onshore wind** should be located across the country.
- Electricity - Local authorities need more **assistance** to help deliver onshore and offshore renewable energy **applications** more efficiently.
- Transport - The local authority in each of our main cities should introduce **park and ride schemes** along major roads and plan to **reduce** the number of **public parking** spaces.
- Built Environment - **Budget 2024** should set a target of all **social housing** being upgraded to a building energy rating of B2 or connected to a district heating network by 2030





Before-and-after images, from Paris Mayor Anne Hidalgo's re-election campaign website, illustrating what could occur when cars give way to walking and biking. (Images: [annehidalgo2000.com](http://annehidalgo2000.com))



So



**Barcelona:**  
**One way streets**  
**enhance safety and**  
**reduce congestion in**  
**cities**





## Additional reading on Climate Change



- [National Climate Change Strategy 2007-2012](#)
- [Carbon Tax introduction 2009](#)
- [Climate Action and Low Carbon Development Act 2015](#)
- [National Adaptation Framework 2018](#)
- [Programme for Government](#) – Our Shared Future
- [Amendment to the Act 2021](#)
- [Carbon Budgets](#)
- [National Climate Action Plan 2021](#)
- [Sectoral Emissions Ceilings](#)
- [National Climate Action Plan 2023](#)



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## Thank You

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# LOCAL AUTHORITY ENVIRONMENTAL SERVICES TRAINING GROUP CONFERENCE– 2023

## Session 1 Presentation 2

### **Climate Action Plan 2023**

Elaine Fitzpatrick

Administrative Officer

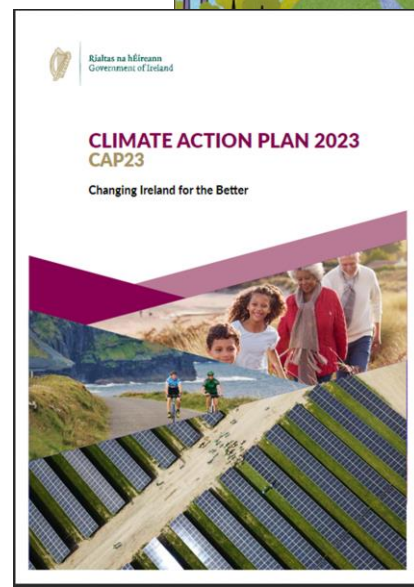
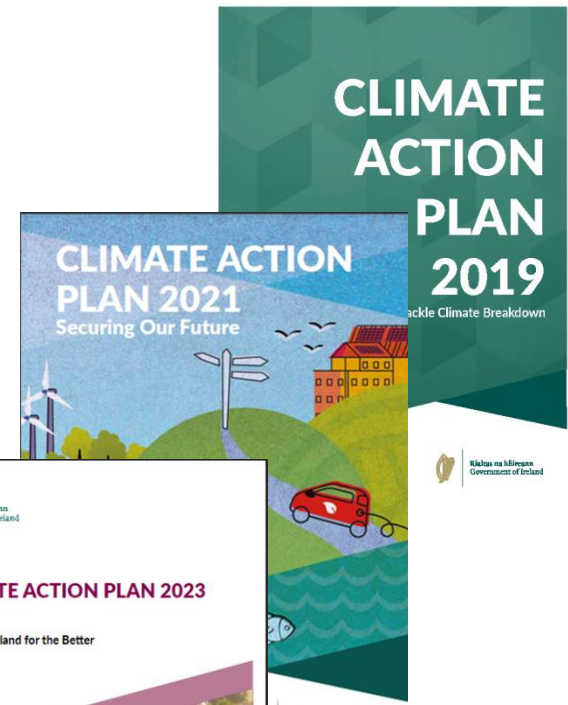
Department of the Environment, Climate and Communications



# Overview

## What is a Climate Action Plan?

- Annual updates on Ireland’s Climate Action.
- Roadmap of actions, measures, policies and plans to meet our emissions targets and climate goals:
  - achieve 51% reduction by 2030
  - get on a pathway to net-zero by 2050
- Part of the enhanced climate governance framework set out under the Climate Action & Low Carbon Development (Amendment) Act 2021.
- Aim to put Ireland on a more sustainable path and protect us from the devastating consequences of climate change.



# Climate Action Plan 2019 & 2021

## Climate Action Plan 2019 (CAP19)

- Published in June 19.
- 183 actions with detailed steps to deliver these, with clear timelines and owners.
- Set various 2030 targets for carbon emissions reduction and put us on a trajectory to net zero by 2050 in line with EU ambitions.
- Structures for strong governance and oversight.



## Climate Action Plan 2021 (CAP21)

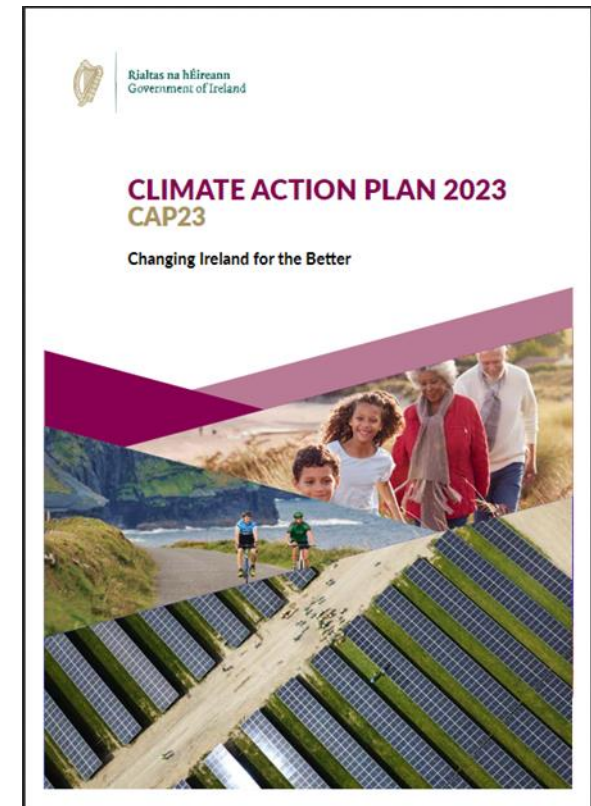
- Published Nov 2021 (Annex in Dec 2021) – step up in ambition.
- Roadmap to achieve 51% emissions reduction by 2030 and get on a pathway to net-zero by 2050.
- 493 actions with detailed steps to deliver and clear timelines and owners.





## Climate Action Plan 2023 (CAP23)

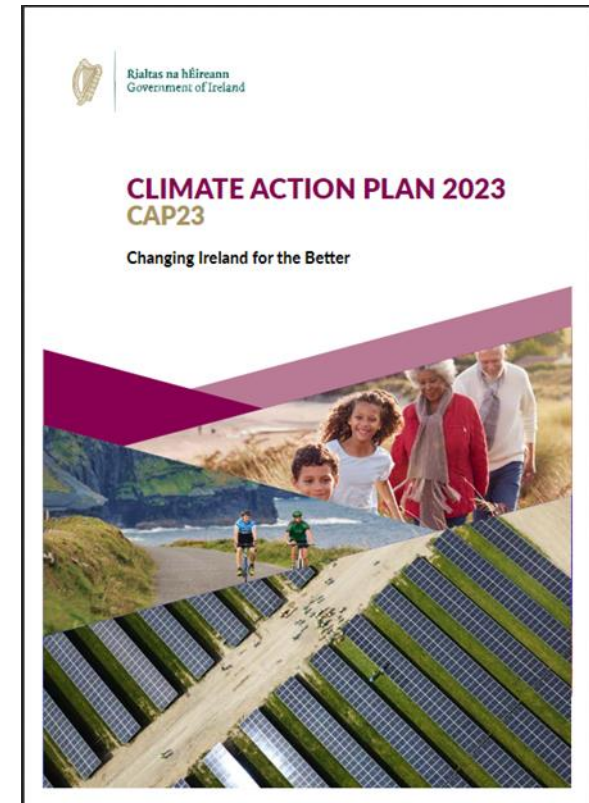
- Published December 2022 with Annex of Actions in March 2023.
- First Action Plan delivered under provisions of the 2021 Climate Act, which includes the legal adoption of:
  - **Carbon Budgets (CB)** represent the total amount of emissions, measured in tonnes of CO<sub>2</sub> equivalent, that may be emitted by a country or a region during a specific time period.
  - **Sectoral Emissions Ceilings (SECs)** refer to the total amount of permitted greenhouse gas emissions that each sector of the economy can produce during a specific time period.





## Climate Action Plan 2023 (cont.)

- Under the provisions of the 2021 Climate Act, CAP23 requires:
  - Roadmap of actions for each sector to ensure compliance with SECs in remainder of CB1 (2023-2025).
  - Actions to address failure or potential failure in meeting the Sectoral Emissions Ceilings.
  - Potential actions and measures for CB2 (2026-2030).
  - Overview of policies to consider for CB3 (2031-2035).
- Builds upon the processes and ambition set out in CAP21.
- Reflects the increased detail on emission reductions provided by the CBs and SECs.



## Key Features

### Sectoral Action

- Actions for chapters relating to Agriculture, Built Environment, Transport, Electricity, etc.
- Overview of emissions already produced for this Carbon Budget period (2021–2025).
- Indication of abatement delivered by 2025.



### Enhancing Capacity & Strengthening Climate Action in other Areas

- New and expanded Research & Innovation actions.
- Considerations for improving governance, monitoring and reporting.
- Progression of Citizen Engagement initiatives.







## Annex of Actions

- Annex of Actions published on 7 March.
- Lists all CAP23 actions and corresponding steps to support delivery.
- Key tool for recording and monitoring climate action – overseen by Department of the Taoiseach with quarterly reports published.
- Number of actions relating to Local Government, for example:
  - Public sector to reduce own GHG emissions by 51% in 2030.
  - Development of Local Authority Climate Action Plans.
  - EU Climate-neutral & Smart Cities Mission.





## High Impact Areas

### Powering Renewables

- 75% reduction in emissions by 2030.
- Through large-scale deployment of renewables, as well as enabling the electrification of other technologies.
- This includes:
  - Accelerated delivery of onshore, solar and offshore renewable energy.
  - Phasing out the use of coal and peat in electricity generation.





## High Impact Areas

### Built Environment

- 40% (residential) / 45% (commercial) reduction in emissions by 2030.
- Increase energy efficiency by expanding retrofitting programme and putting in place policies to deliver zero-emissions new builds.
- Key targets include:
  - Retrofitting the equivalent of 120k dwellings to BER B2 by 2025 and 500k by 2030.
  - Installing up to 0.8 TWh of district heating capacity by 2025 and 2.7 TWh by 2030.





## High Impact Areas

### Transforming how we Travel

- 50% reduction in emissions by 2030.
- Implement policies to improve rural and urban planning, public transport and active travel programmes.
- This will happen by:
  - Reallocating road space for better and more frequent public transport and active travel.
  - Ensuring that nearly one in three private cars will be an electric vehicle by 2030.





## High Impact Areas

### Agriculture

- 25% reduction in emissions by 2030.
- Support farmers to continue to produce world-class, safe and nutritious food while also seeking to diversify income through energy generation and forestry.
- This will include:
  - Increase organic farming.
  - Contribute to delivery of the land use targets for afforestation.





## High Impact Areas

### Greening Business & Enterprise

- 35% reduction in emissions by 2030.
- Changing how we produce, consume, and design our goods and services.
- This will include:
  - Growing the circular economy and bioeconomy.
  - Reducing clinker content in cement and substituting new products for construction materials.





## High Impact Areas

### Changing our Land Use

- Exact reduction target for this sector is yet to be determined.
- The first phase of the land use review (published in Q1 2023) will tell us how we are using our land now. We can then map, with evidence, how it can be used most effectively to capture and store carbon and to better, greener food and energy.





# What Progress Has Been Made? 2023 Q2 Highlights

## Overview

- An implementation rate of 63% was achieved in Q2 2023.

## Built Environment

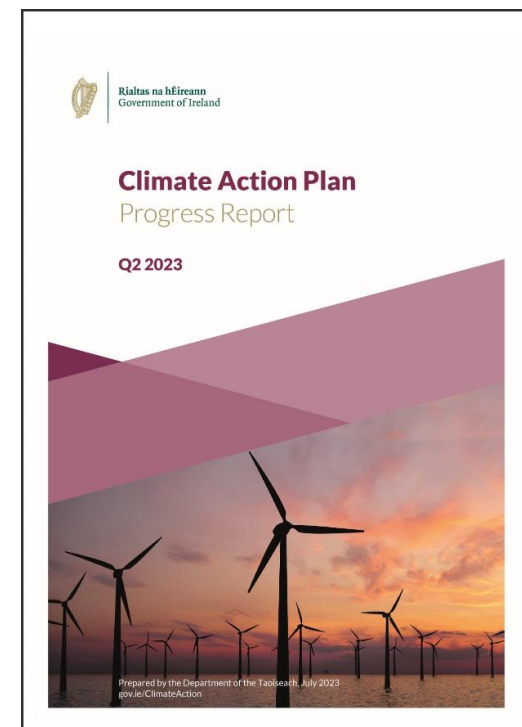
- Homeowners now have the option of only paying the cost of upgrade “net of grant”.

## Land Use

- Capital investments in grassland management equipment was supported.

## Energy

- A policy/regulatory roadmap for green hydrogen was developed.







## Climate Action Plan 2024 (CAP24)

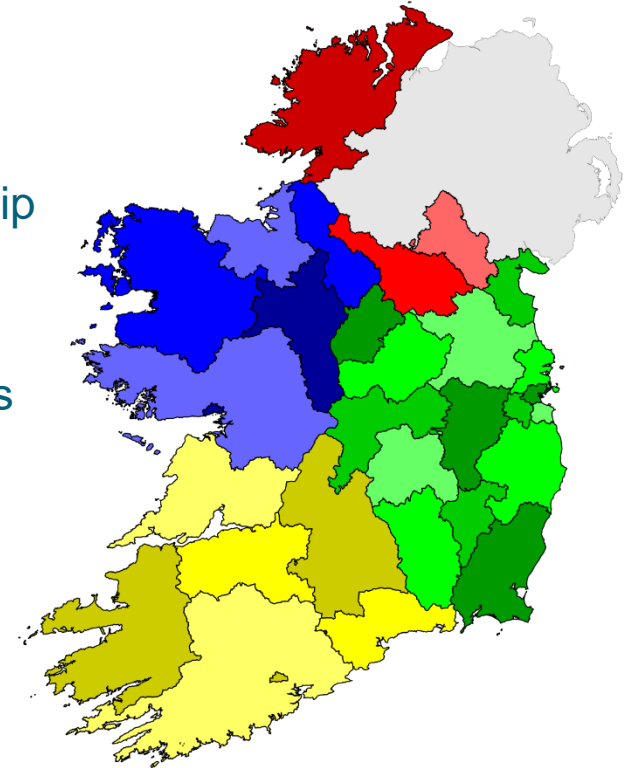
- Climate Action Plan 2024 is currently being developed.
- Provide an update on progress made in meeting Ireland's national climate objective and seek to identify any obstacles.
- Seek to further develop and refine the actions set out in CAP23.
- It will focus on implementation, including actions with specific timelines and steps for delivery.





## Local Government Chapter in CAP 24

- New Local Government Chapter currently being developed.
- Working Group set up by DECC with broad membership from across several different sectors.
- Will set out the role of local government in delivering Ireland's national climate objectives, focusing on levers of change at the disposal of local authorities and alignment between national, regional and local government.
- Will consider how to build on national-level climate actions by more fully integrating the local and regional scales.





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# LOCAL AUTHORITY ENVIRONMENTAL SERVICES TRAINING GROUP CONFERENCE– 2023

## Session 1 Presentation 3

### **Climate Action Plan 2023**

Breda Maher A/Regional Coordinator East Midlands CARO

Alex Grassick, Climate Action Coordinator, Kerry County Council

# LOCAL AUTHORITY ENVIRONMENTAL SERVICES TRAINING GROUP CONFERENCE– 2023

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## Local Authority Climate Action Planning

Breda Maher  
A/Regional Coordinator  
Eastern and Midlands Climate Action Regional Office

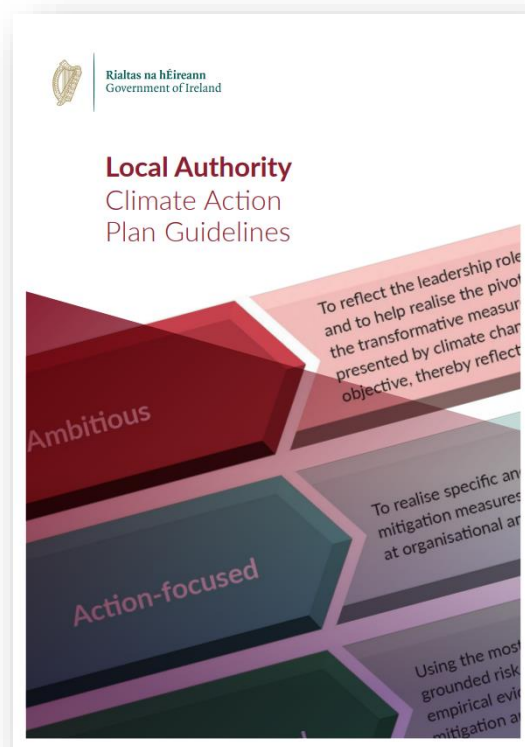
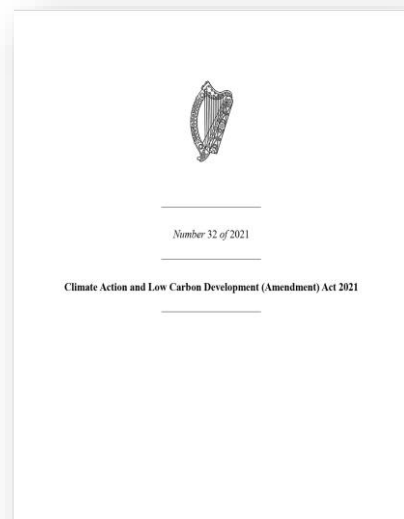
Alex Grassick,  
Climate Action Coordinator  
Kerry County Council



# Local Authority Climate Action Planning

- Overview: Local Authority Climate Action Plans
- Focus: Climate Risk, Vulnerability & Adaptation
- LA focus: Kerry County Council – LACAP

# LOCAL AUTHORITY CLIMATE ACTION PLANS



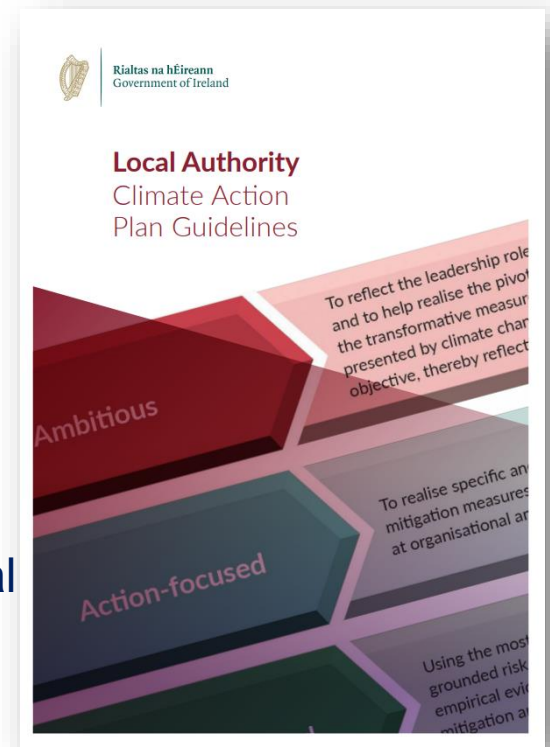
S.16 Each Local Authority 'shall make' a Climate Action Plan...

...Local Authority Climate Action Plan Guidelines; Consistent with furthering the achievement of the national climate objective

# OVERVIEW: Local Authority Climate Action Plans

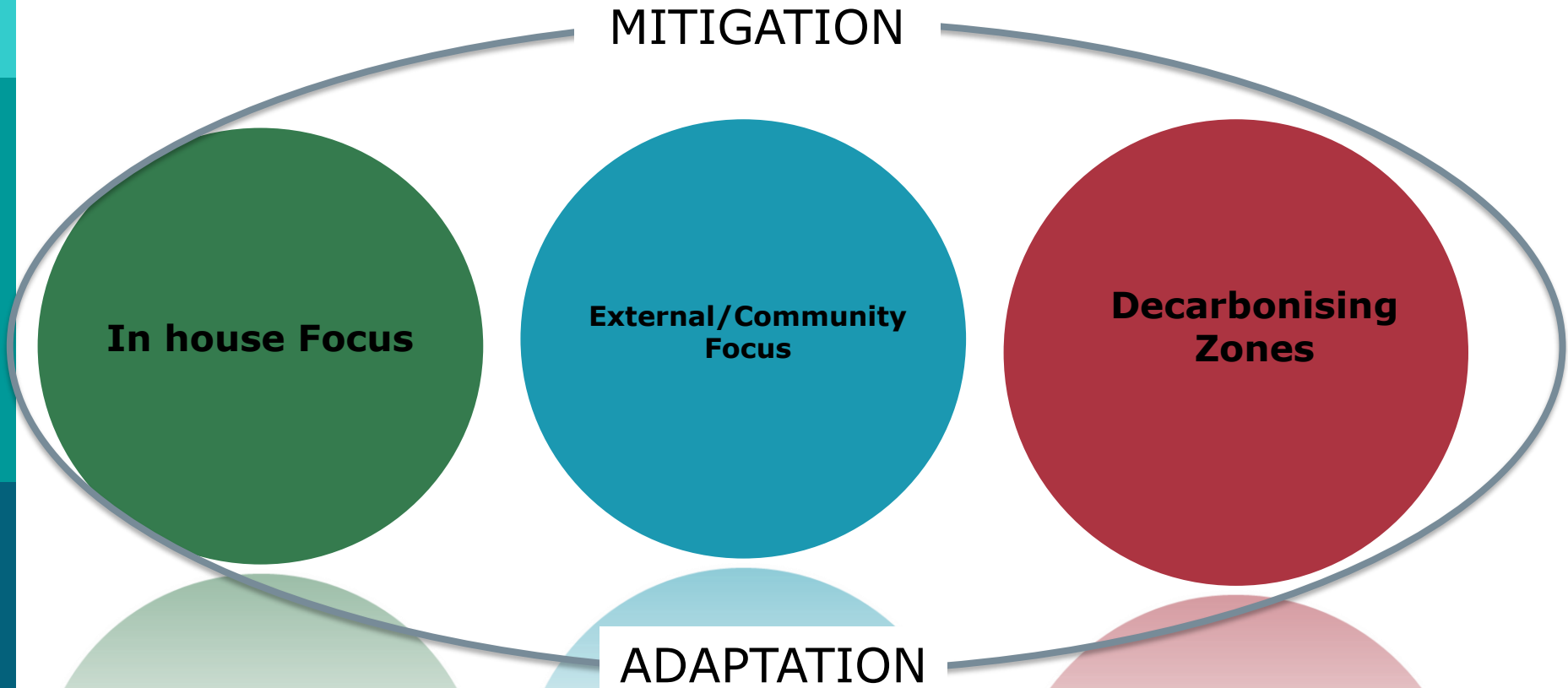
## Local Authority Climate Action Plans:

- Bring forward **Adaptation & Mitigation** measures in a coherent manner.
- Provide a strong emphasis on a **place-based approach to climate action**
- Deliver and promote **evidence-based and integrated climate action** by way of adaptation and mitigation measures
- **Translate and provide strategic direction** at local and community levels on the delivery of the national climate objective

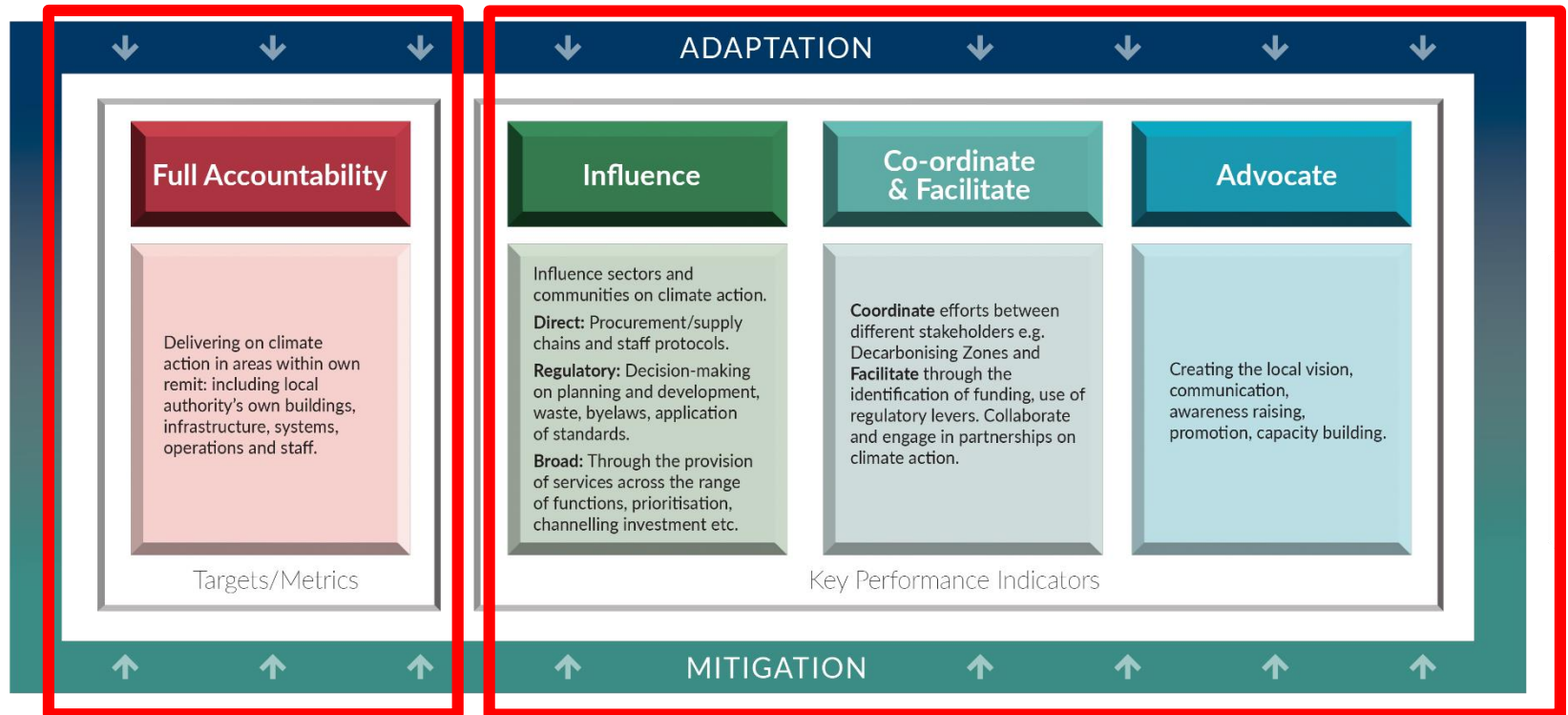




# FOCUS: LOCAL AUTHORITY CLIMATE ACTION PLANS



# LA SCOPE ON CLIMATE ACTION



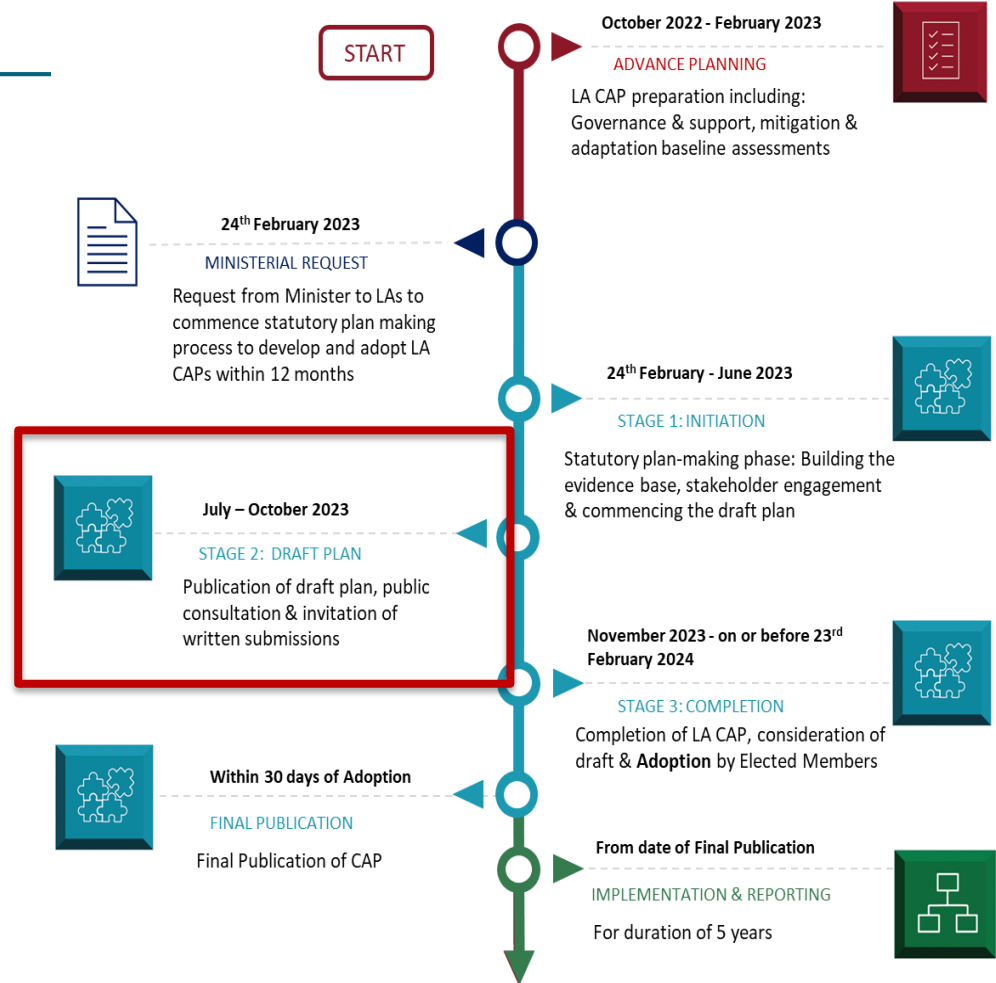
# LA CAP Themes - Strategic Goals

## Areas of focus

Governance & Leadership	Built Environment & Transport	Natural Environment & Green Infrastructure	Communities: Resilience & Transition	Sustainability & Resource Management
<p>Commitment to:</p> <ul style="list-style-type: none"> <li>• CA Resources</li> <li>• LA Supporting governance</li> <li>• Budget(s), alignment to &amp; sourcing funding</li> <li>• Alignment with higher order national climate policy</li> <li>• CA Training for staff /EMs</li> <li>• Promoting/nurturing Interdepartmental Co-operation</li> <li>• Ambition/Vision/Innovation</li> <li>• Communications campaign /promoting action from LA CAP</li> <li>• Sustained Implementation- Devising &amp; implementing reporting mechanisms (internal &amp; external)</li> <li>• Organisational Preparedness, planning &amp; resilience (adaptation)</li> <li>• Leading by example (own work)</li> <li>• Alignment with SDGs</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion of energy efficiency in buildings</li> <li>• Onsite renewables</li> <li>• Promotion of compact development</li> <li>• Urban regeneration opportunities</li> <li>• Sustainable smart mobility</li> <li>• Active Travel</li> <li>• Protection of Built Heritage</li> <li>• Social Housing retrofits</li> <li>• Energy consumption</li> <li>• EV Charging strategy/infrastructure</li> <li>• Flood alleviation measures</li> <li>• SUDs</li> <li>• Critical infrastructure – provision &amp; protection</li> <li>• Offshore renewables - Marine</li> </ul>	<ul style="list-style-type: none"> <li>• Promotion &amp; integration of biodiversity</li> <li>• Landscaping &amp; Tree planting</li> <li>• Protection of Natural Heritage</li> <li>• Water protection</li> <li>• Nature based solutions (SuDs, flood management)</li> <li>• Coastal Protection planning &amp; measures</li> <li>• Landuse (LULUCF)</li> <li>• Agricultural support &amp; environmental protection</li> <li>• Active land management</li> </ul>	<ul style="list-style-type: none"> <li>• Citizen Engagement</li> <li>• Behavioural change initiatives</li> <li>• Support for community initiatives /events</li> <li>• SECs support &amp; promotion</li> <li>• Awareness &amp; Advocacy</li> <li>• Enterprise support &amp; economic opportunities</li> <li>• Energy poverty</li> <li>• CA promotion through Arts/Culture/ Creativity</li> <li>• Alignment with LECP</li> <li>• JT (Midlands)</li> <li>• Collaboration with key stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>• Green procurement &amp; supply chains</li> <li>• LA own waste (generation &amp; disposal) - Incl. roadwork materials, landscaping, housing etc.</li> <li>• Promotion of Circular economy</li> <li>• Enabling increase in Recycling rates</li> <li>• Alignment with National Waste Management Plan</li> <li>• Advocacy - reduce-reuse-recycle &amp; source local.</li> <li>• Air quality</li> <li>• Capturing Co-benefits–communications.</li> </ul>

# LA CAP TIMEFRAME

- Ministerial Request - c.24<sup>th</sup> February 2023
- Stages of statutory plan making
  - **Initiation**
  - **Draft Plan**
  - **Completion**
- Adopted on or before 23<sup>rd</sup> February 2024
- Effective for 5 years from date of adoption



- Focus: Climate Risk, Vulnerability & Adaptation

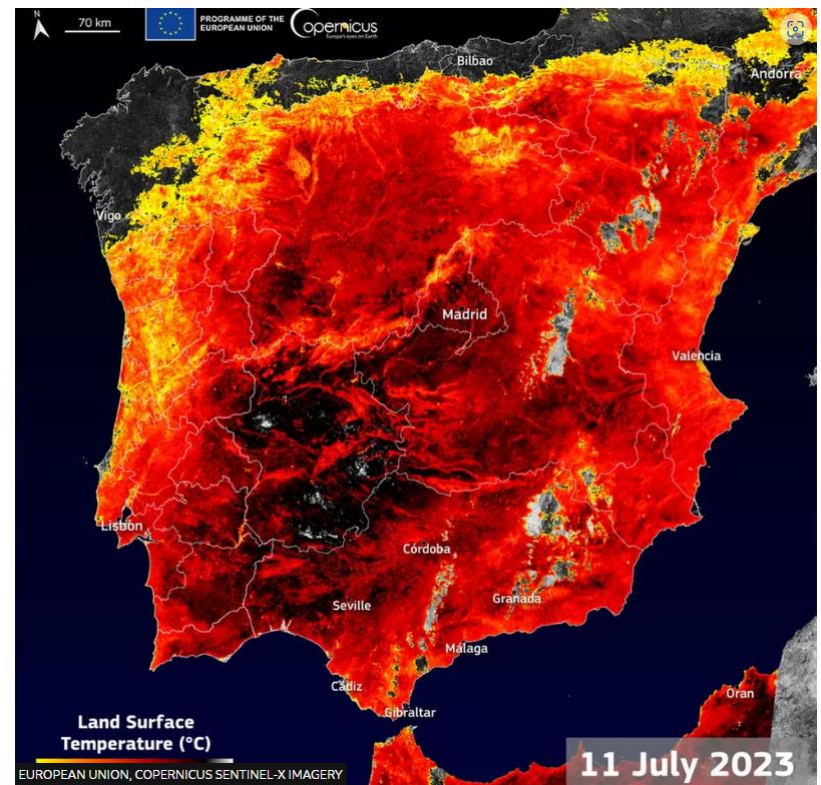
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## Wildfires Canada Summer 2023



[Source: Extraordinary photos of July's extreme weather - BBC News](#)

# Cerberus Heatwave Europe Summer 2023



Source: Copernicus

# Ireland Summer 2023

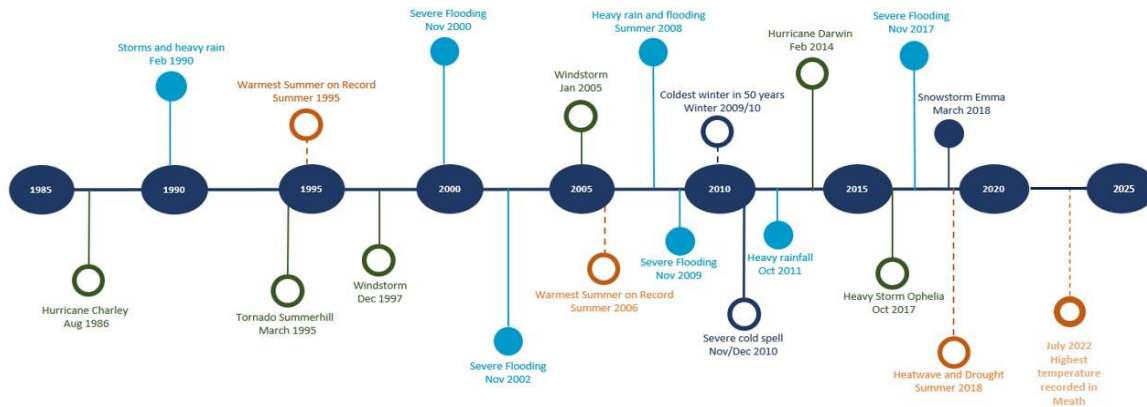
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Image source: Irish Times Sat Aug 5<sup>th</sup> 2023

# LACAPs – Climate Change Risk/Vulnerability

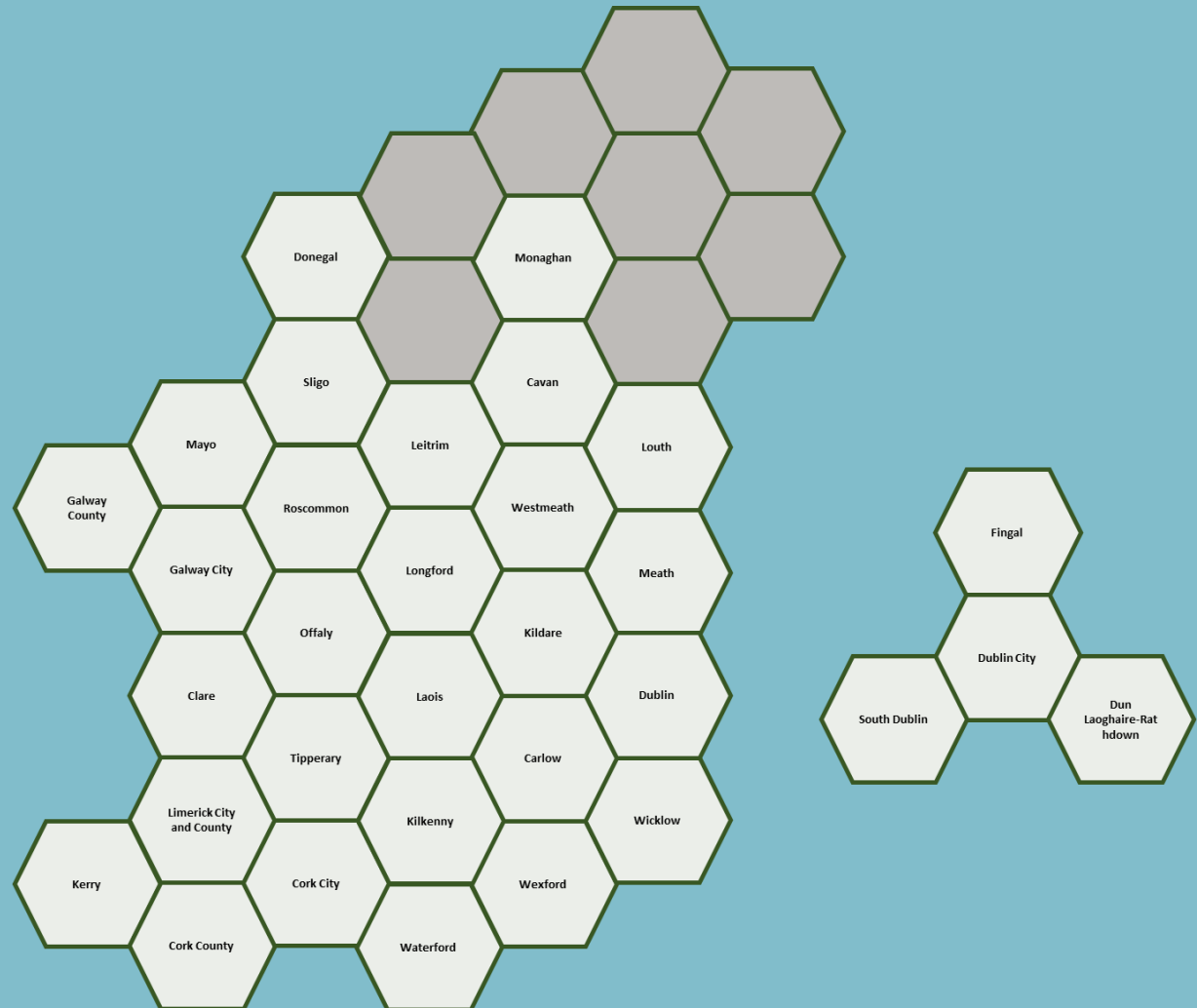
## Climate Change Risk Assessment

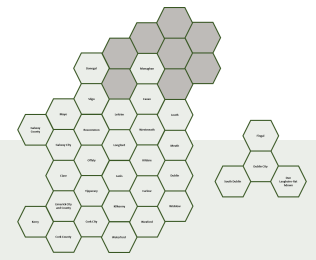


Hazard Type	Current Frequency Ranking	LA Governance, IT, HR, Finance Planning & Administration	Roads, Transportation & Critical Infrastructure Services	Housing, Building & Built Asset Management Services	Community Services, Tourism, Business Services	Arts, Culture, Heritage, Leisure, Recreation & Library Services	Water Supply Services	Environment Services	Emergency Services & Response
Drought	3 - Common	1 - Negligible	2 - Minor	2 - Minor	1 - Negligible	2 - Minor	3 - Moderate	2 - Minor	2 - Minor
Heatwave	3 - Common	2 - Minor	2 - Minor	2 - Minor	2 - Minor	2 - Minor	3 - Moderate	2 - Minor	3 - Moderate
Windstorm	4 - Frequent	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate
Flooding	3 - Common	2 - Minor	3 - Moderate	3 - Moderate	2 - Minor	2 - Minor	2 - Minor	2 - Minor	2 - Minor
Extreme Cold	2 - Occasional	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	2 - Minor	3 - Moderate	3 - Moderate
Heavy Snowfall	2 - Occasional	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	3 - Moderate	2 - Minor	3 - Moderate	3 - Moderate

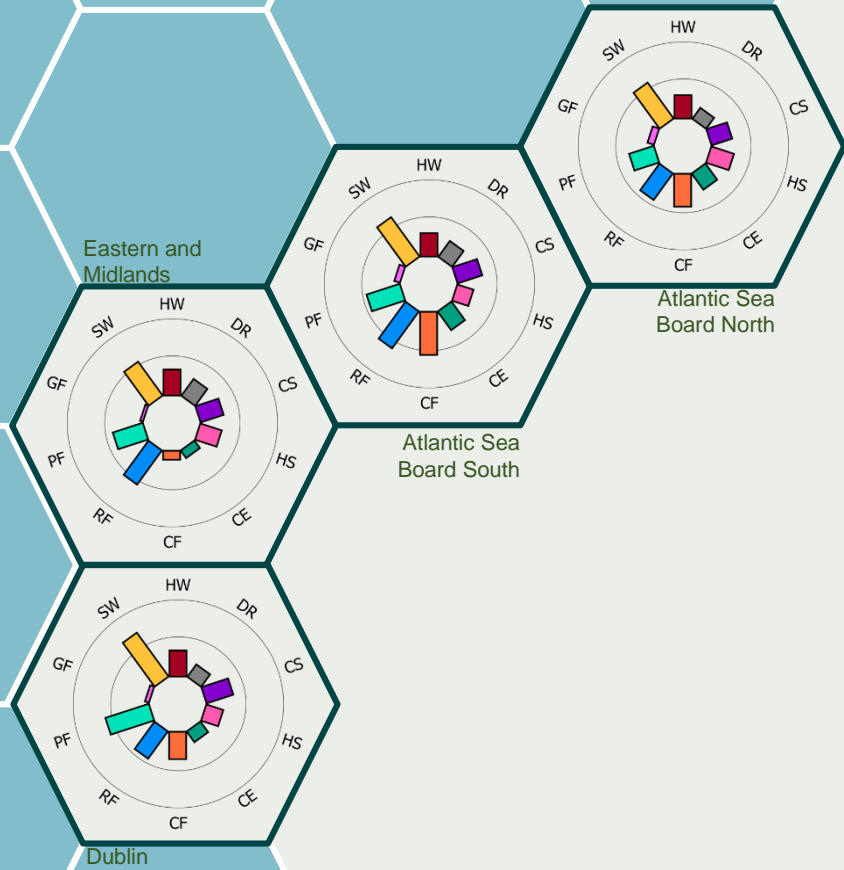
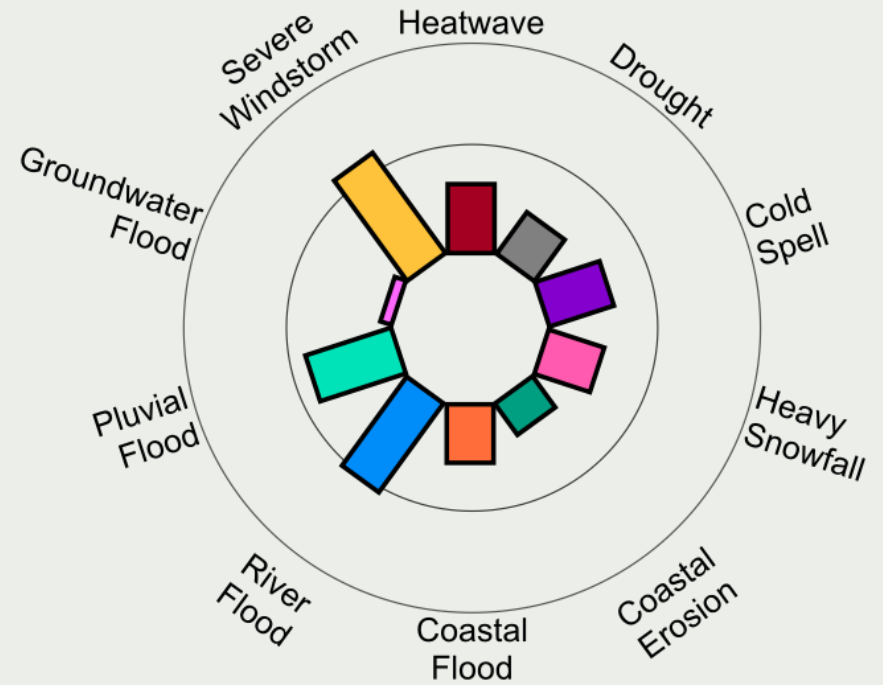


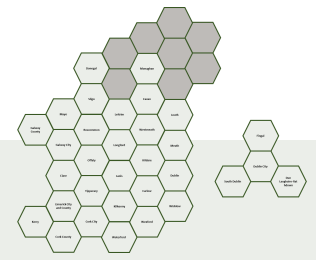
# Risk Profiles for Ireland's - 31 Local Authorities



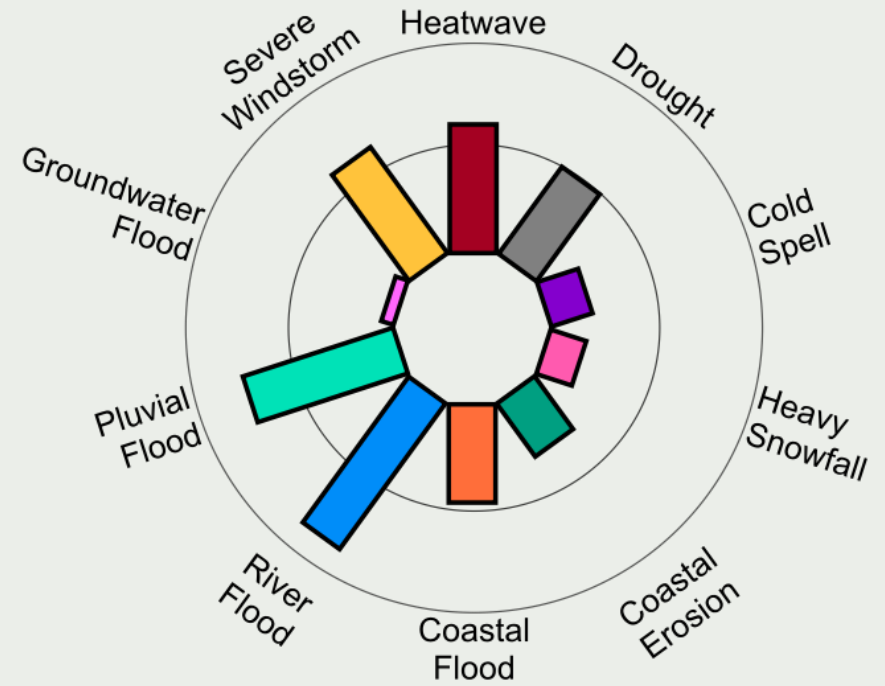
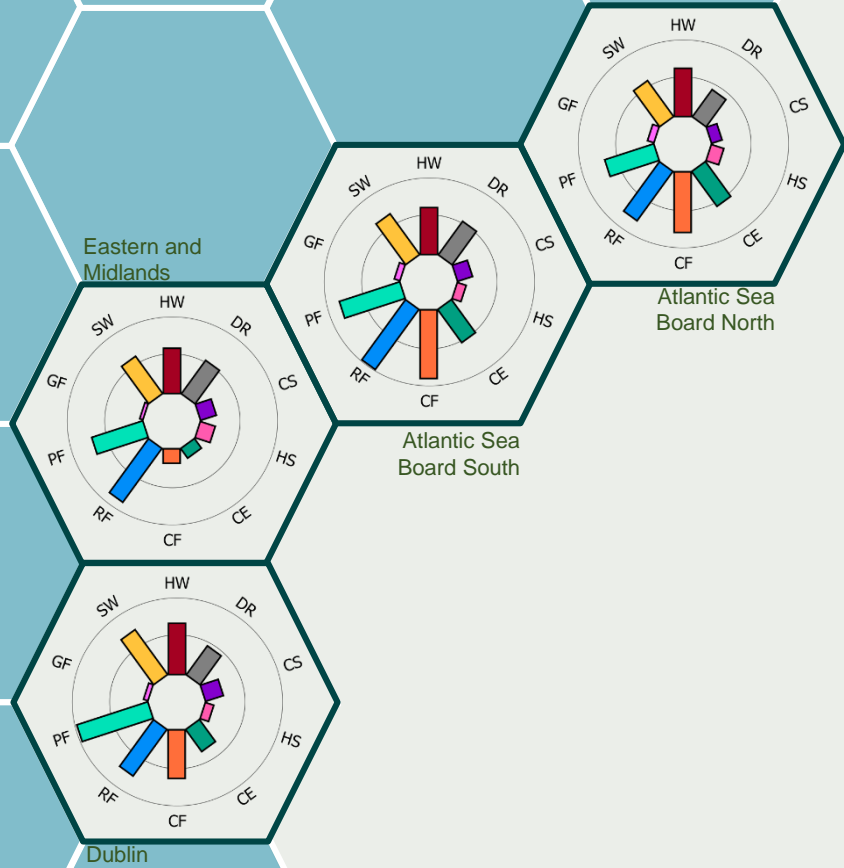


## Average Risk Profile for Ireland's 31 Local Authorities: Current





## Average Risk Profile for Ireland's 31 Local Authorities: Future



# Update on Climate Action Plan Process – Kerry County Council

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Alex Grassick  
Climate Action Coordinator  
Kerry County Council



# Climate Action Plan Guidelines -General Overview

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Guideline Document

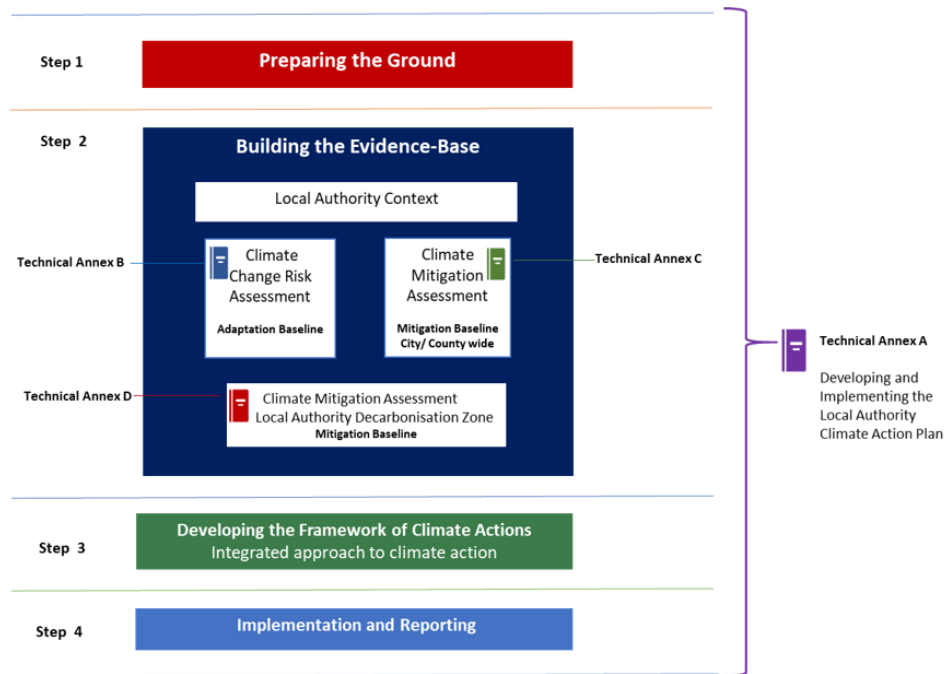
Annex A: Process

Annex B: Climate Risk Assessment

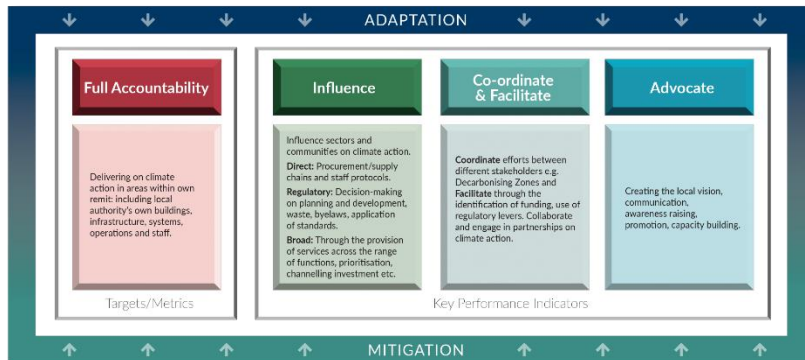
Annex C: Mitigation Assessment

Annex D: Decarbonising Zone

# 4 step cycle for development of LACAP

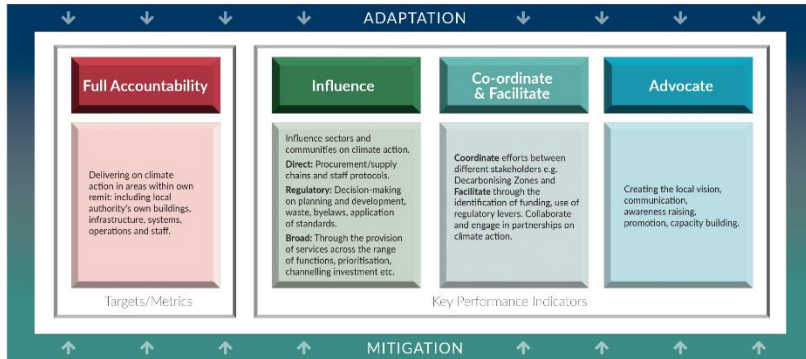


# LA Scope on Climate Action



**Full accountability for climate action within the local authority,** which includes tracking and reporting on the reduction of emissions from their own internal operations, buildings and facilities (including, fleet, public lighting etc.) in addition to building resilience to the negative impacts of climate change, within the organisation, through the range of services and functions provided.

# Key Challenges



**Influence sectors**, business, communities and individuals in the delivery of local climate action through the various functions and services provided, as well as using many regulatory levers and the sector's broader remit to enable, facilitate and support them.

**Co-ordinate and facilitate** by working and bringing together key stakeholders, engaging in partnerships to maximise efforts and creating interactions that will yield successful initiatives and projects which may not otherwise occur.

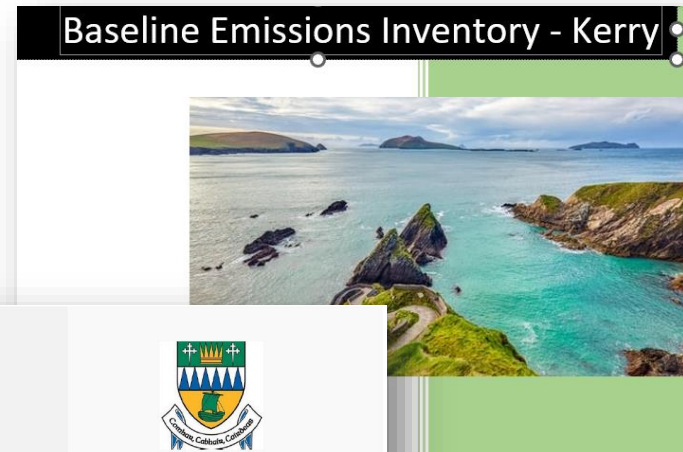
**Advocate** on climate action by raising awareness, communicating, informing and engaging in open dialogues on climate related issues and responses.



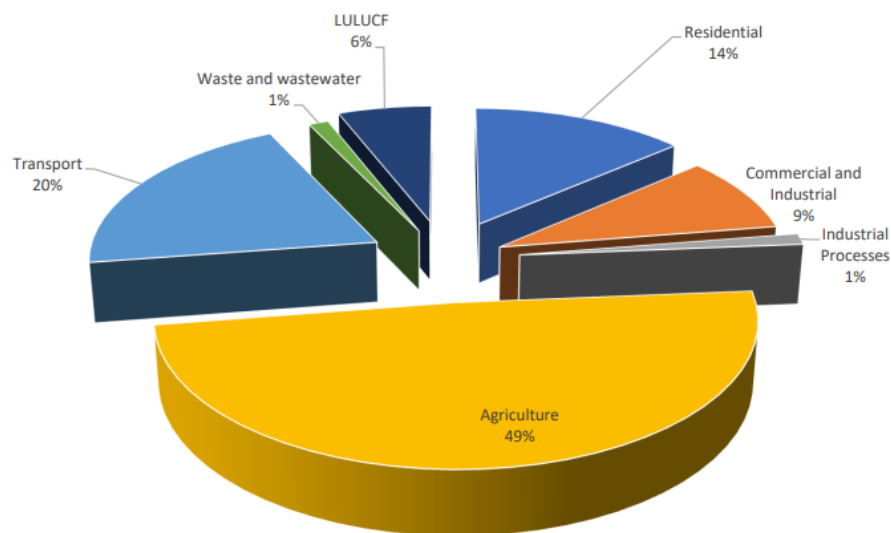
# Climate Action Plan - Context

Deadline	Policy Context	Target	Status
2019	National Adaptation Framework 2018	LA Climate Adaptation Strategy	Adopted within the statutory timeframe (2019-2024)
2020	National Energy Efficiency Action Plan	33% Improvement in Energy Efficiency	Exceeded Target (43% Improvement)
2030	Climate Action and Low Carbon Development (Amended) Act 2021	50% improvement in Energy Efficiency	Ahead of Target Glidepath. Current management Practices and RMO Public Lighting Project will ensure this target is achieved
2030	Climate Action and Low Carbon Development (Amended) Act 2021	51% reduction in Emissions (Absolute reduction based on emissions baseline 2016-2018)	Plan Making phase for Development of a Climate Action Plan began on 24 <sup>th</sup> February 2023. – 12 Month Process
2050	Climate Action and Low Carbon Development (Amended) Act 2021	Carbon Neutral	As Above

# Summary of the Evidence Base



# Countywide – Emissions Inventory



Emissions (KtCO<sub>2</sub>-eq) County Kerry by Sector

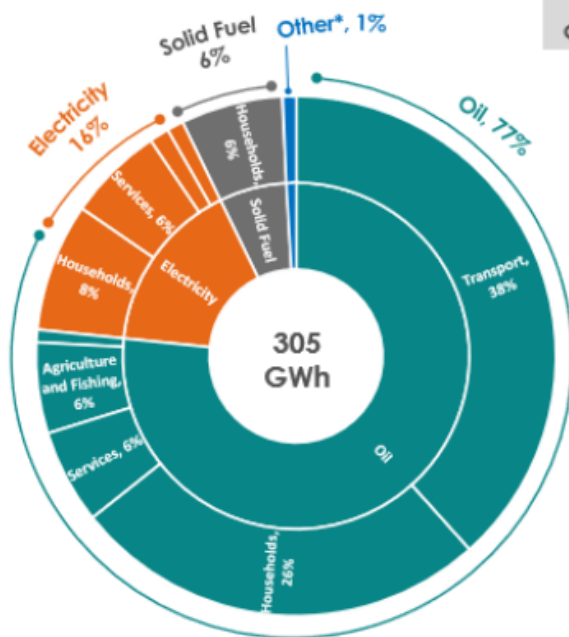
Sector	KtCO <sub>2</sub> -eq
Residential	340
Commercial and Industrial	220
Industrial Processes	31
Agriculture	1217
Transport	503
Waste and Wastewater	31
LULUCF	148
<b>Total</b>	<b>2,490</b>

# DZ - Emissions Inventory



## Baseline Emissions Inventory 2019 – Key Findings

### Energy by Fuel & Sector

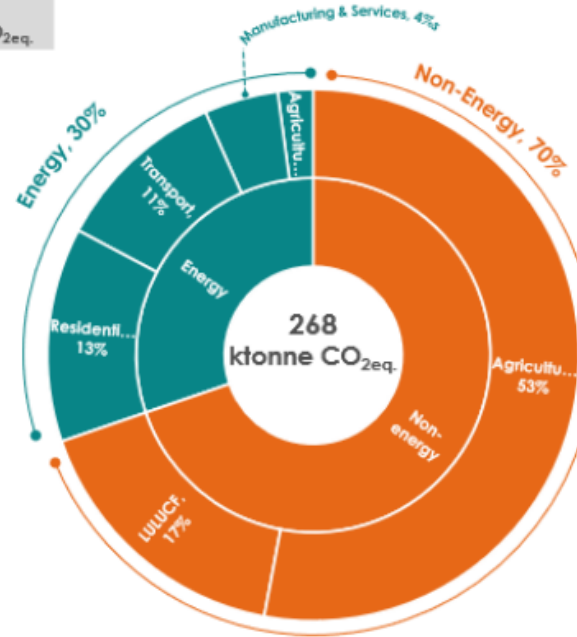


Baseline year 2019

Energy - 305 GWh

GHGs - 268 ktonne CO<sub>2eq.</sub>

### Greenhouse Gas Emissions

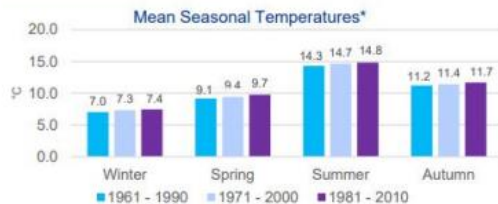
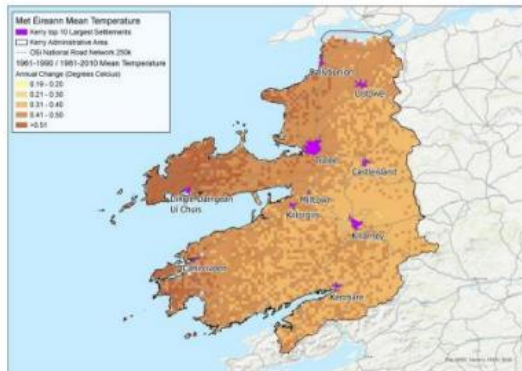


\*very small amount (<1%) wood and natural gas

# Observed Changes in local Climate

3.2.1 CCRA – Current Climate

## Observed Changes in Kerry's Climate



In line with global trends, the climate of Ireland and Kerry is changing, temperatures are increasing and patterns of precipitation are changing. These changes are projected to continue and intensify with a wide range of impacts for Kerry and Kerry County Council. A summary of key climate and weather-related changes already observed for County Kerry are detailed below.

### Highlights of Observed Climate Change for Ireland and Kerry

#### Sea Level Rise



Sea Levels in the south of Ireland are rising at an approximate rate of 2-3mm per year\*\*

#### Rainfall

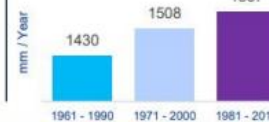
Average annual rainfall at Valentia Increased by 8.9% for the most recent period (1981-2010) compared to the 1961-1990 baseline of the station.\*

# 0.5°C

Average temperature increase for the period 1981-2010 when compared to the 1961-1990 baseline.\*



Highest temperature on record recorded on July 18<sup>th</sup> 2006 at Dooks



5 of the top 10 wettest years on record since 1941 have occurred since the year 2000\*



The longest running heatwave in Kerry was recorded at the Listowel Weather station during the summer of 2021, lasting a total of 10 days with maximum temperatures over 25°C\*\*\*

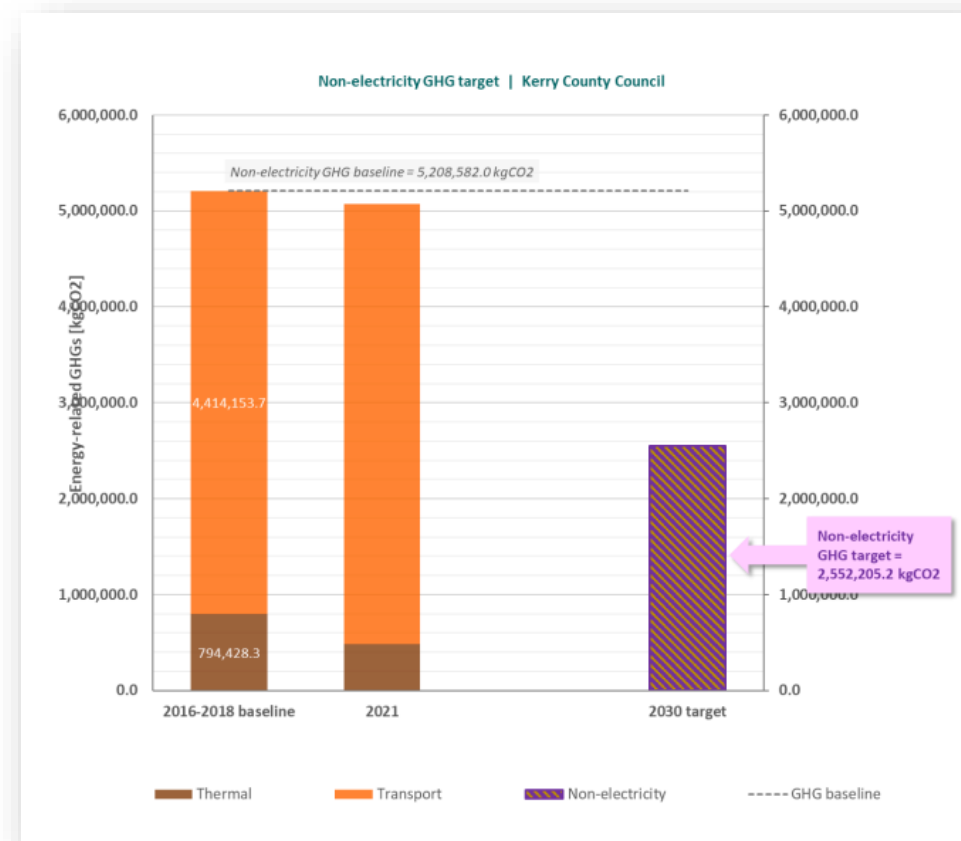
\*Source: Met Éireann Long term weather station - Valentia

\*\*Source: EPA, Climate Status Report for Ireland 2020 (2021)

\*\*\*Source: Met Éireann weather stations: Listowel (Bunaghara), Listowel (Gurtochpane)

# Carbon Reduction – Kerry County Council

- ❑ **51% Target Reduction – Absolute Target**
- ❑ **2018 Baseline 5.5Kt CO<sub>2</sub>**
- ❑ **2021 4.6Kt CO<sub>2</sub> (12% Reduction)**
- ❑ **2030 Target 2.6Kt CO<sub>2</sub>**
- ❑ **2050 – Carbon Neutral**



# Themes of LA CAP

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# Engagement

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## **Externally (Public Engagement)**

- Consult.ie
- PPN/General Public
- Questions devised to frame your answers
- Relevant to Kerry
- Aimed at getting people thinking around their own 'capacity to act'
- 65 submissions received which are being included for consideration in developing the Draft CAP
- Separate Schools Engagement Plan

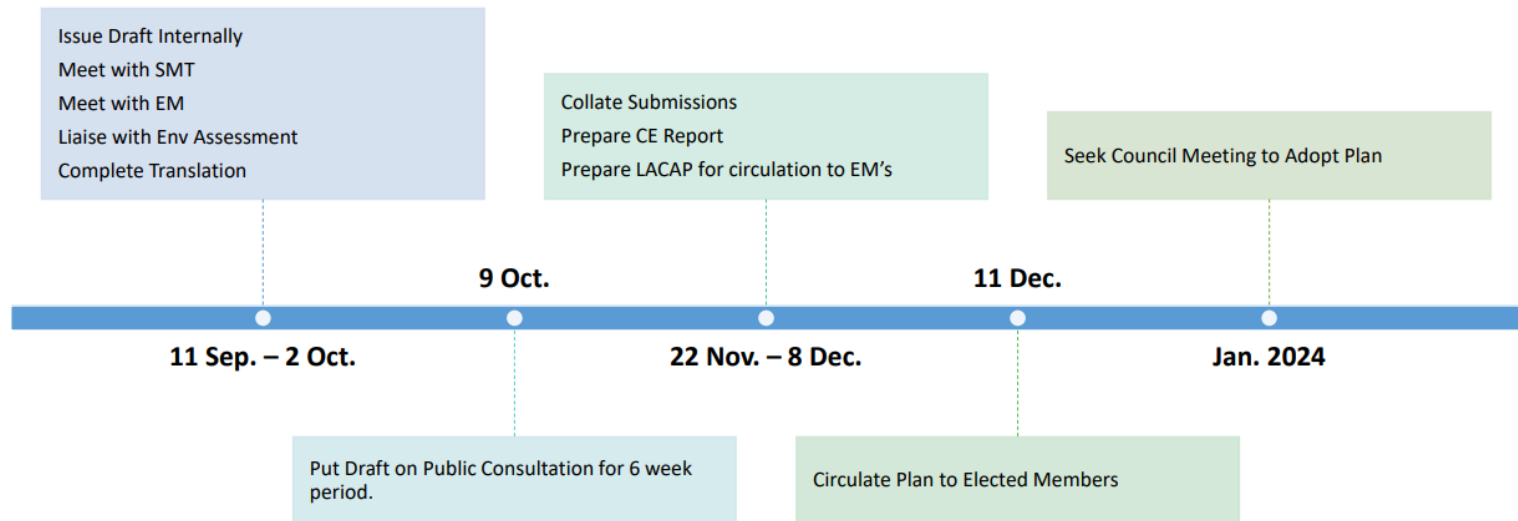
## **Internally**

- Regular meetings of SMT
- Facilitated Session for Senior Staff of KCC
- Draft actions developed
- Meetings with directorates to agree actions
- Presentation to full Council



# Timeline to completion

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# What does success look like?

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- Every meeting has 'Climate Action' as an agenda item
- Every Section budget has a climate action line
- KCC continues to meet our national targets and maintain ISO50001 Accreditation
- A-S-I approach to fleet management is fully integrated across the LA
- NZEB is the minimum building standard across the sector
- LAs provide communities with a 'Capacity to Act'
- LACAP is central to all plan making and decision making across the sector

# LOCAL AUTHORITY ENVIRONMENTAL SERVICES TRAINING GROUP CONFERENCE– 2023

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## Local Authority Climate Action Planning Thank You

Breda Maher  
A/Regional Coordinator  
Eastern and Midlands Climate Action Regional Office

Alex Grassick,  
Climate Action Coordinator  
Kerry County Council





An Roinn Comhshaoil,  
Aeráide agus Comarsáide  
Department of the Environment,  
Climate and Communications



An Roinn Tithíochta,  
Rialais Áitúil agus Oidhreacht  
Department of Housing,  
Local Government and Heritage



LOCAL AUTHORITY  
Climate Action  
Training Programme



Local Authority  
Waters Programme  
vibrant communities | catchment assessment | healthy waters

CCMA  
County and City Management Association

epa  
Environmental Protection Agency  
An Ghníomhaireacht um Chaomhú Comhshaoil

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Questions may be asked through the SLIDO app using the QR code on the rear of your lanyard or go to

Slido.com and enter #2847552



An Roinn Comhshaol,  
Aeráide agus Cumarsáid  
Department of the Environment,  
Climate and Communications



An Roinn Tíreochta,  
Rialtais Áitiúil agus Oidhreachta  
Department of Housing,  
Local Government and Heritage



LOCAL AUTHORITY  
Climate Action  
Training Programme



Local Authority  
Waters  
Programme  
About Communities | Land-based measures | Healthy waters



Carraig Lúcháir Náisiúnta Ceannaircneoireacht  
County and City Management Association



Environmental Protection Agency  
An Aireacht um Cosaint na Comhshuíochán

# ESTG Annual Conference 2023

## 14<sup>th</sup> September

### Session 2- Water Source Protection-11.45am

#### **Chair Brian Barrett, Galway City Council**

1<sup>st</sup> Water Quality Policy the transition to 3rd Cycle, Successes and area for enhancement and focus in the next revision

2<sup>nd</sup> Nature Based Solutions

3<sup>rd</sup> National Agricultural Inspection programme

Join the Q&A session at Slido.com and enter #2847552



For more information on this conference please contact the Local Authority Services National Training Group.

T: 052 616 6260E: [lasntg@tipperarycoco.ie](mailto:lasntg@tipperarycoco.ie) | W: [www.lasntg.ie](http://www.lasntg.ie)

